

UFOs: The Reality

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McGill Community for Lifelong Learning
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Thanks to MCLL for the invitation. I'm a retired McGill psych professor. I was associate dean of the faculty of graduate studies and research, I spent a term as elected faculty of science rep to the University Senate, and retired after 47 years of teaching and research in the dept of psychology: my specialties, human visual perception and memory.

I have published a book: UFOs, ETs, and Alien Abductions: A Scientist Looks at the Evidence (Hampton Roads Press, 2013) on the topic.

I taught a course titled: UFOs: History and Reality in winter 2016; I'm planning to teach it again in Winter 2017.

Some of what people report as UFOs are extraterrestrial vehicles.

Some of those ET vehicles have extraterrestrial crews.

Some of those ET crews catch and release humans to study us.

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These are my simple propositions. They are revolutionary if true.

I am going to concentrate on the first one in this lecture, because the other propositions require more time than I have to justify.

if the first proposition is true, then the others are at least possible

If the first proposition is false, the other two are logically false.

Consensus or establishment science agrees that proposition one is false. I do not.

There are three parts to this talk, with a discussion to follow after each part.

- The evidence that some UFOs are extraterrestrial.**
- Why the arguments against the evidence are wrong.**
- What are the consequences that ETs are here?**

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The three parts are:

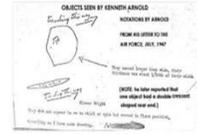
A necessarily brief summary of the evidence.

A rebuttal to the scientific and cultural establishment arguments that there is no evidence.

And a discussion – necessarily incomplete – of what this means for us in the future.

Conventional practice is to divide the period in half, and stop after about one hour, but I'm going to stop after about 30 minutes for discussion before going on to the next session.

Kenneth Arnold, Cascade Mountains, WA, June 1947: DD



The Evidence

A brief look at some of the evidence

Today you have to take for granted that – given my knowledge and research background in the experimental psychology of visual perception and memory -- there are no spurious cases; no misperceptions of metrological or astronomical phenomena, misperceptions of other natural phenomena, misperceptions of airplanes, balloons or satellites, psychological delusions, mass hallucinations, or hoaxes, included among the brief expositions of a very few of the cases that establish beyond reasonable doubt some UFOs are ET vehicles.

Kenneth Arnold, 1947 (the “index case”) DD, other witnesses. Arnold was a private pilot who saw the first widely reported “flying saucers” while flying over the Cascade mountains in Washington state in June of 1947.

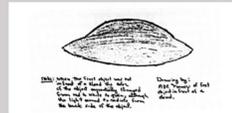
Kenneth Arnold, Cascade Mountains, WA, June 1947: DD



RB-47, Gulf of Mexico, July 1957: R-V



Minot AFB, ND, March 16, 1967: R-V, CE - II



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One or more UFOs disabled an entire battery of ten US ICBMs located in North Dakota in 1957. The case is well documented and has been written up widely.

Similar events have happened near US nuclear weapons storage sites.

The three-man crew of a Japan Air Lines cargo 747 saw and recorded on cockpit radar a giant UFO flying near the 747 as it approached Anchorage, Alaska for a refueling stop. The same object was seen on FAA air traffic control radar in Anchorage. The entire event was recorded in radio communications between the crew and the air traffic controllers.

New Caney, TX, 1980: CE-II



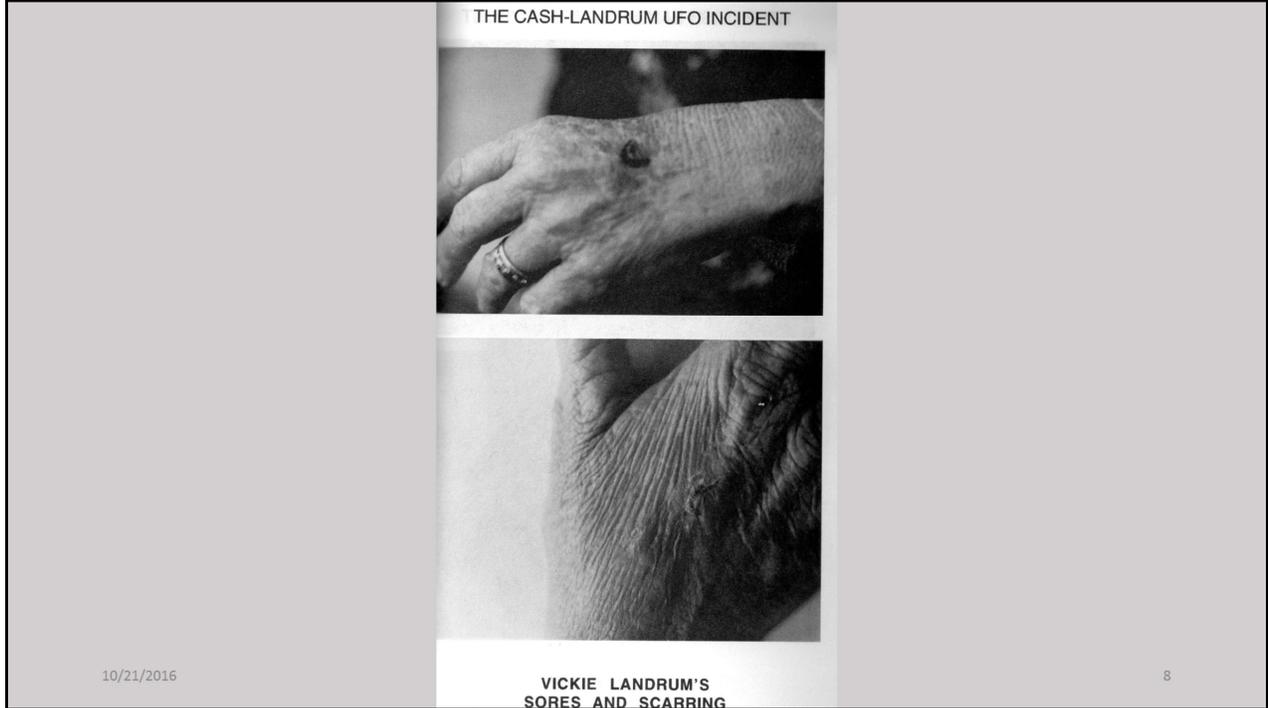
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On December 29, 1980 a large UFO hovered over a road in east Texas, near the Texas-Arkansas border. Betty Cash, Vicky Landrum, and Colby Landrum, Vicky's grandson, were riding in a car that stopped because the UFO, emitting flames from below, was hovering over the road ahead of them. They got out to look at it: then they got back into the car because the UFO was emitting great heat and they all suffered from it.

After the UFO (and a posse of helicopters that were surrounding it) finally moved off, they continued their journey.

They all fell sick with what was diagnosed as radiation poisoning, were treated in hospital for radiation burns, radiation sickness hair loss. All of this is well documented by interviews, and corroborated by other witnesses who saw the helicopters.

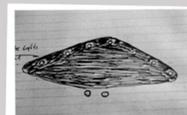


Some indication of the skin burns of Vickie Landrum: the other witnesses suffered similar burns and other evidence of radiation poisoning.

New Caney, TX, 1980: CE-II



Hudson Valley, 1982– 1986: CE I, CE II



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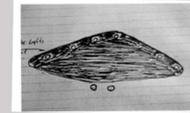
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Observations of low-flying boomerang-shaped or triangular objects, some as large as football fields, were made over a period of several years in the area of New York State and Connecticut east of the Hudson River between New York City to the south and Albany to the north. Many of the observations were reported from the Taconic Parkway, a major commuter artery from the suburbs to New York City. Many of the reports are described in *Night Siege 2nd ed*, by J. Allen Hynek, Philip Imbrogno and Bob Pratt: St. Paul, MN: Llewellyn Publications, 1998.

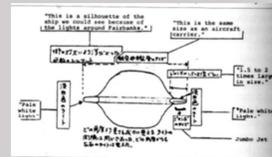
New Caney, TX, 1980: CE-II



Hudson Valley, 1982- 1986: CE I, CE II



Japan Air Lines, Anchorage, November 1986: R-V

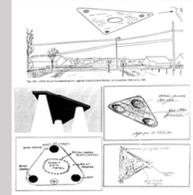


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The full details of this sighting of a large UFO by the crew of a JAL 747 freighter over Alaska were analyzed by radar experts of the US Federal Aviation Administration, and reported on by the head of the FAA's Accident Investigation Branch, James Callahan, after he retired from government service. He had ordered the detailed analyses and was present during the analyses and when the CIA seized all the analysis records and told people "this event never happened."

Belgium, 1989: R-V, CE I



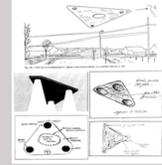
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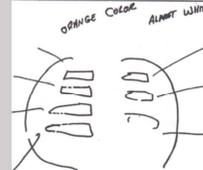
Eupen is a small Belgian town close to the German border. Objects like those pictured above were seen at night in 1989 and 1990 by police, civilians, off-duty Air Force officers, and “several witnesses [who] had high-ranking functions and preferred not to reveal their names to the media.” But many witnesses with medium to low-ranking functions were willing to be named, and the government reacted quickly. The Belgian Air Force scrambled fighter jets on two occasions when police reported low-level sightings that were confirmed by radar. The first time the jets found nothing. The second time one of the two jets

recorded a camera sequence of its radar lock-on of the UFO.

Belgium, 1989: R-V, CE I



Bonaventure Hilton Hotel, Mtl, Nov. 1991: CE-II

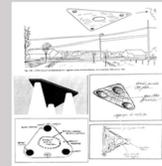


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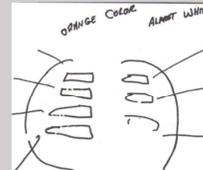
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In November of 1990 a large UFO sat over the Bonaventure Hilton Hotel in downtown Montreal. It was seen by scores of people. A thorough report was made by a Montreal colleague working in collaboration with one of my colleagues, a NASA-Ames Human Factors engineer who has an extensive background in UFO investigations

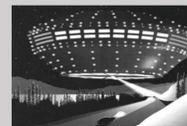
Belgium, 1989: R-V, CE I



Bonaventure Hilton Hotel, Mtl, Nov. 1991: CE-II



Yukon Territory, December 1996: CE-I

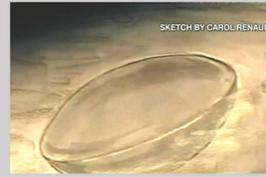


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A Canadian investigator, Martin Jasek, followed up reports by 31 people who saw a giant UFO in the Yukon Territory in 1996. Their reports were independent and consistent. The object was huge. His computer-generated rendition is a consensus of the visual memories of the observers. Jasek is typical of UFO analysts: an engineer by training who has a demanding day job and does UFO research in his spare time, from a home base in British Columbia.

O'Hare Field, Chicago, November 2006: CE I



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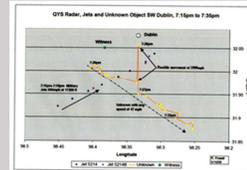
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Many observers including air traffic controllers, passengers on incoming aircraft, and maintenance technicians on the tarmac saw a disc-shaped UFO move through a low cloud cover and hover over buildings at O'Hare field in Chicago in November 1996. The object cut through the cloud cover, leaving a clean hole in the clouds. It the disappeared upwards. The case was widely reported in the media at the time and communications about it were reported between ground personnel and air traffic controllers.

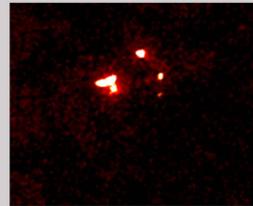
O'Hare Field, Chicago, November 2006: CE I



Stephenville, TX, January 2008: CE - II



St-Adolphe d'Howard, QC, January 2014: CE - II



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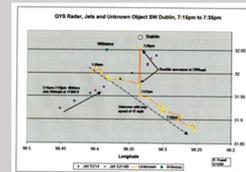
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UFO sightings starting in the winter of 2014 and continuing to the present have occurred in the vicinity of St-Adolphe d'Howard (near Ste-Agathe) in the Laurentians. My Quebec UFO colleagues have been active in documenting the many observations. This cellphone photo of a low-flying "black triangle" – similar to vehicles seen over the Taconic Parkway and Eupen, Belgium – was taken by a local journalist. I have interviewed several of the observers, including the journalist, myself.

O'Hare Field, Chicago, November 2006: CE I



Stephenville, TX, January 2008: CE - II



St-Adolphe d'Howard, QC, January 2014: CE - II



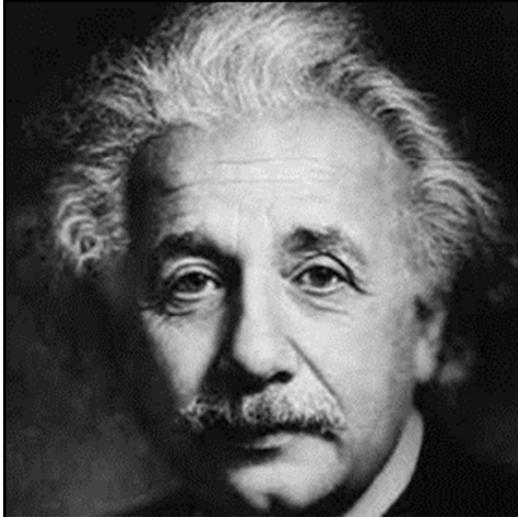
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You have seen twelve examples – each briefly presented – that are representative of thousands of UFO sightings that have been carefully documented by observers who range from ordinary citizens to professional observers like military and commercial pilots and law enforcement officers. Written documentation, accompanied by analysis, has been accumulating since the mid-twentieth century.

An informed person can have no doubt that the UFO phenomenon as reported in these observations is caused by machines that are technologically superior to anything humans can manufacture or have manufactured, although there is evidence that we are trying.

This is the end of the first section of the talk.



Albert Einstein

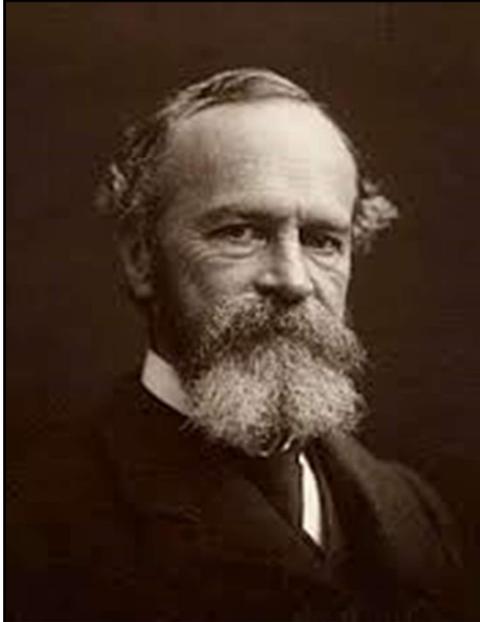
These people have seen something. *What it is I do not know and am not curious to know.*

Letter to Louis A. Gardner, July 23, 1952 cited in Jacobs, D. M. *The UFO Controversy in America*, Indiana University Press, 1975 (Signet Edition, p. 71.)

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Someone wrote Albert Einstein for an opinion about the UFO phenomenon in 1952. This is what he said. He summed up – at the very beginning of public awareness of the phenomenon – what remains the prevailing “scientific establishment” view of the entire UFO phenomenon as well as the establishment view of what its place should be in our culture.



William James

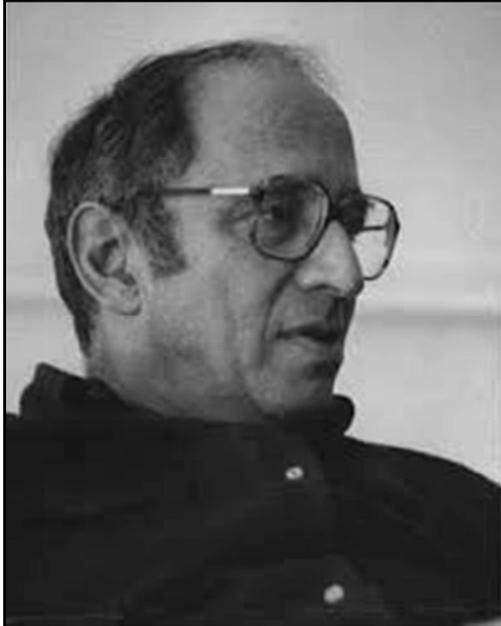
...We feel neither curiosity nor wonder concerning things so far beyond us that we have no concepts to refer them to or standards by which to measure them.. *Only what we partly know already inspires us with a desire to know more.*

(Principles of Psychology, vol II, 1890, p. 109)

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William James, the great American psychologist said essentially the same thing about the way that ordinary people as well as scientists think about the things around them. If science doesn't even partly know how UFOs work, then the average working scientist, busy in his or her own field of interest, doesn't really want to know.



Thomas S. Kuhn

There is no such thing as research in the absence of any paradigm. To reject one paradigm without simultaneously substituting another is to reject science itself....

.... rejection of science in favor of another occupation is, I think, the only sort of paradigm rejection to which *counter-instances* themselves can lead.

Thomas S. Kuhn : *The Structure of Scientific Revolutions*, 2nd ed.
U. of Chicago Press, 1962

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Thomas Kuhn, a twentieth-century philosopher of science, explained in *The Structure of Scientific Revolutions* that modern science is theory (paradigm) driven. Science moves from one paradigm to another and it is not “naturalistic” in the seventeenth, eighteenth or nineteenth-century sense. Establishment scientists have no time for anomalous observations unless they can be explained as resulting from an existing theory or supporting an opposing one.

Most of the efforts of what is called establishment science over the past 65 years have been devoted to pigeonholing UFO observations in one or the other of the categories I have already eliminated as explanations for the evidence discussed at the beginning of the talk: misidentified human artifacts, metrological phenomena, astronomical phenomena or psychological aberrations or abnormalities.

All of the UFO evidence cited so far is in Kuhn’s sense a collection of “counter-instances” without a theory. They all have to be ‘explained away’ by adapting (or stretching) theories of “normal science” to explain them. I have already said that none of the counter-instances I presented can be explained by stretching “normal science.”

We are left with the fact that “normal science” just won’t explain away all of the counter-instances.

**The UFO observations reported in this talk,
and the thousands of other UFO observations,
*cannot be explained by science.***

They are “counter-instances” to scientific theory.

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There is no physics theory, widely understood and accepted in the open literature, that explains how UFOs work, or where they come from. In line with Einstein's lack of curiosity about something he admits people have seen, and William James' comment about how people do not engage about things so far beyond their ken that they do not have anything to associate them with, the UFO phenomenon simply passes people by – even when it is widely attested and the ordinary explanations like misperceptions or wilful deceit do not explain the observations.



Popular culture

ALIEN FACE
DISCOVERED ON
GOOGLE EARTH
IN CANADA!!



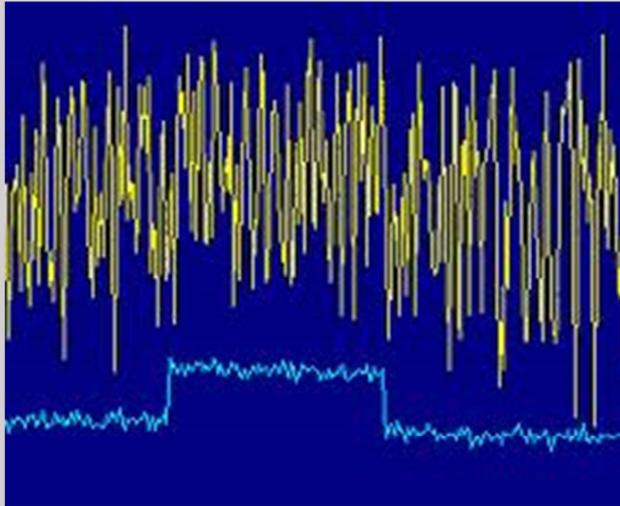
The Great UFO Coverup Conspiracy

'... the Extraterrestrial Visitors have been visiting earth for centuries in their etheric bodies and etheric space vehicles (UFOs). They have been patiently waiting for the earth to be spiritualized enough and developed enough (technologically and otherwise) to be welcomed into their group of civilized planets.'²⁰¹⁶

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Popular culture is often completely “over the top” on the subject of UFOs and ET occupants – as you can see. This gives professional people all the reasons they need to not just ignore, but to reject, the phenomenon as not worth their attention.

And from the availability of an alternative world of UFO nonsense, the cultural rejection follows. Contemporary psychological science, and contemporary sociology, understand this very well.



Signal– to – Noise Ratio

**Signal plus noise:
Popular Culture**

**Signal:
Credible UFO information**

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Given the prevalence in popular culture of UFO-related nonsense empty of common sense or careful observation, a challenge to the empiricist is to sort the wheat of good observational evidence from the chaff of internet garbage. This is a hard job. A dataset of good observational evidence is valuable, and at the opening of this talk I gave you a glimpse of some cases that belong in this dataset.



Leon Festinger's theory of Cognitive Dissonance

Two cognitive elements are in a dissonant relation if, considering these two alone, the obverse of one element follows from the other.

The presence of dissonance gives rise to [mental] pressures to reduce that dissonance.

Festinger, L. (1957). *A theory of cognitive dissonance*. Stanford, CA., Stanford University press, pp 260 – 266

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But how do we (psychologically) deal with the UFO counter-instances?

Leon Festinger, a social psychologist, explained that we have mechanisms for dealing with disturbing counter-instances – things that are “dissonant” with each other.

It is “dissonant” with our sense of scientific superiority and physical safety to believe that there are intelligent beings who use a technology we cannot duplicate and who can come and go at will in our atmosphere without us being able to do anything about it. This is an upsetting idea. How do we make it less upsetting: Festinger suggested three ways to do that:



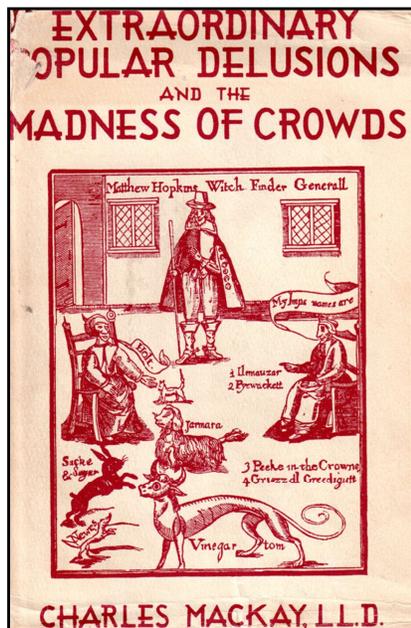
There are three major ways in which [reducing dissonance] may be done:

- 1. By changing one or more of the elements.. (the message is false because the messenger is a “wacko”)**
- 2. By adding new cognitive elements that are consonant.. (it’s only in the imagination of cult and pop culture fans)**
- 3. By decreasing the importance of the elements involved in the dissonant relations.. (I don’t have to pay attention because the signal-to-noise ratio is too low to find a signal so there is no signal)**

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And here is how you solve the Cognitive Dissonance problem...



Ignoring the facts that don't agree with you is also called

Confirmation Bias

When men wish to construct or support a theory, how they torture facts into their service!

Mackay, C. *Extraordinary popular delusions and the madness of crowds* (1852/1932)

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A UFO skeptic should argue that “Confirmation bias” is what keeps UFO scholars active in the absence of evidence – they grasp at straws to buttress their case. Charles Mackay’s famous book gives examples of how often this has happened in modern European history.

But really, the shoe is on the other foot. The evidence is strong that many UFO reports can only be explained by postulating the existence of machines that humans do not know how to make. The professional people who deny this are grasping at straws to explain away the evidence, which allows them to ignore the problem,.



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Conférence devant le Laurentian Club «Les OVNIS n’existent pas»: Dr. Robert Lamontagne

SAINTE-AGATHE-DES-MONTS - D’un point de vue scientifique, les OVNIS n’existent pas.

C’est le point de vue du Dr Robert Lamontagne, astrophysicien à l’Université de Montréal et directeur exécutif de l’Observatoire du mont Mégantic (OMM).

Il était l’invité du Laurentian Club, hier après-midi, à l’église Trinity Church de Sainte-Agathe-des-Monts.

Par Daniel Deslauriers

Publié le: Mardi 25 novembre 2014 16:53:52 HNE

Mise à jour: Mercredi 26 novembre 2014 10:06:26 HNE

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For example, Robert Lamontagne, astrophysicist and director of the Lac-Mégantic observatory, said that it takes too long to get here from “there” – wherever “there” is – because rockets are too slow.

Rockets? UFOs have better technology. Postulating rockets as the only possible form of propulsion is simply a way of persuading oneself – and others who have an unjustified faith in your knowledge and wisdom – to dismiss the evidence.



Mark Zuckerberg, Yuri Milner and Stephen Hawking to begin \$100 million search for alien life on a nearby Earth-like planet.

Stephen Hawking has warned we should find aliens before they find us

Daily Mail (UK) September 23, 2016

It's too late, Stephen: There are ETs in our own back yard!

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Again, rich and famous people can ignore the real problem by concentrating on a fantasy project that denies the existing UFO evidence, while admitting the possibility – that almost no professional scientist now denies – that intelligent life is possible on thousands of earth-like planets that have been discovered over the past ten or twenty years.

This reinforces cognitive dissonance: searching for “distant” ETs is respectable while studying “close” ETs is “wacko” and confirmation bias: if this is what rich and influential people do, then it must be right.



Non-scientific establishment culture also rejects the ET hypothesis

Alexander Wendt and Raymond Duvall

Wendt and Duvall make a distinction between elite culture (the governing meritocracies in politics and media) and popular culture (everybody else).

Elite culture ignores the UFO evidence because, really, they just don't want to know. Cognitive dissonance keeps the "two cultures" (elite and popular) separate.

Alexander Wendt and Raymond Duvall: *Militant agnosticism and the UFO taboo*, In Kean, Leslie: *UFOs: Generals, pilots and government officials go on the record*. New York: Harmony Books, 2010.

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Alexander Wendt and Raymond Duvall are American political scientists. They have taken an interest in what has happened to the UFO evidence. They suggest that "elite culture" explains UFOs as an example of the "popular culture" of the great unwashed, and buys the "normal science" explanation that it can all be explained as anomalous.

What they add – and this is relevant in the "cognitive dissonance" context – is the note that the evidence is particularly disturbing to people who are in some sense responsible for finding a response to it, because there is no well-articulated response and our society has not even begun to discuss such a response.

There is plenty of popular culture to associate with UFOs: remember that Leon Festinger's cognitive dissonance mental dynamic biases the interpretation and explanation of the evidence in favor of assuming the reporters are unreliable and the phenomenon is all the result of credulous people believing other credulous people.

Alternatives to the thesis that some UFOs are ET vehicles

Do we have technology that produces the UFO phenomenon?

No. No government has taken advantage of such a technology for political or economic gain, and the technology has been in evidence for over 65 years.

Aren't UFOs just something that we don't understand?

No. *Something else in nature* is dismissive. We are seeing and recording technologically advanced machines that humans cannot make; therefore

Some UFOs are extra-terrestrial vehicles.

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Here are skeptics' questions with answers that I believe stand the test of the evidence as I have presented it: in summary here, in more detail in my book, and in overwhelming detail in the collection of excellent UFO books available to the serious student of the subject.



Eastern Cougar
Puma concolor cougar
New York Status: Extirpated
Federal Status: Extinct

(NYS Dept of Environmental
Conservation Website)

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This is a mountain lion. According to the New York State Department of Environmental Conservation, there are “a few isolated sightings” in New York State.

According to our son, who saw one, there are mountain lions in the Adirondaks. According to the town clerk and several hangers-on at the Ellenburg town office in upstate New York state, there are mountain lions in the Adirondaks. Some of them have seen them; they all know other people have seen them.

Why doesn't the state admit it? Because then they would have to do something about it. Sound familiar?



Samuel Johnson

Human experience, which is constantly contradicting theory, is the great test of truth.

Boswell's life of Johnson, Modern Library Edition, p. 274

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Samuel Johnson, the great English man of letters, explained observational science in a very few words and as clearly as it has ever been put.

This is the end of the second section of the talk.



A turnaround by the CIA



A Die-Hard Issue

CIA's Role in the Study of UFOs, 1947-90

GERALD K. HAINES

Featured Story

CIA's concern over UFOs was substantial until the 1950s because officials feared they could be new Soviet weapons. In 1978, we declassified hundreds of UFO documents. Want to know more? Take a peek onto our "X-Files" [\[HERE\]](#) and learn how to investigate a flying saucer [\[HERE\]](#).

[Read More](#)

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An amazing flip-flop: I haven't figured out the reasons for it yet. The home page of the CIA website features a story about one of the best CE III cases on record. The CIA was the lead agency in answering President Truman's request to find out what was going on, in 1952. Also on their site: How to set up a UFO study group. What is going on?



Recent News: 404: Page Not Found

A turnaround by the US Department of Defense:

This has disappeared from their website.

<http://www.defense.gov/faq/pis/16.html>

- No UFO reported, investigated and evaluated by the Air Force was ever an indication of threat to our national security;
- There has been no evidence submitted to or discovered by the Air Force that sightings categorized as "unidentified" represented technological developments or principles beyond the range of modern scientific knowledge; and
- There was no evidence indicating that sightings categorized as "unidentified" were extraterrestrial vehicles.

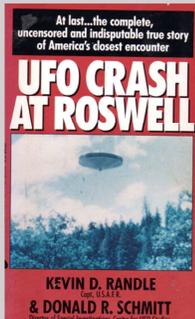
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Denial works. I once asked a professor who commuted to work along the Taconic Parkway and who told me that he had seen one of the Taconic Parkway UFOs what he thought he had seen. His answer was: "The government explained them so I didn't think about it." That man is a scientist distinguished for research work in his field. It proves Thomas Kuhn's point that counter-instances count for nothing in modern science.

Since Condon published his report in 1969 the US government position has been: consistent denial that any UFOs are extraterrestrial. The statement quoted above has been the official position for decades. Until recently it was available on the US Department of Defense website, but by the beginning of 2016 it has been taken down.

Who knows what?



Roswell, NM, July 1947

Randle, K. D. & Schmitt, D. R.

UFO Crash at Roswell

Avon Books, 1991

You wonder, and I wonder, who knows what? The clearest information that the US government knows more than it admits is contained in this and other books about the UFO crash and subsequent retrieval by the US government of both UFO debris and ET bodies.

It is too complicated a story to tell in detail; but the basic conclusion is that at least the US government has physical information that some UFOs are extraterrestrial.

What more they know; I don't know.

What is happening?

Routine harassment of humans by ETs

Secret tests of esoteric propulsion systems

What I haven't been able to tell you about is the evidence that ETs are involved in the daily lives of many people in North America and elsewhere. The controversy about this evidence is complex and important; so complex that it took several chapters in a book I wrote, and many books by other people, to begin to elucidate.

There is evidence that the US at least is testing advanced propulsion technology. Whether this technology is reverse-engineered from the Roswell crashed UFO; or developed from secret scientific developments, I simply don't know.

What will happen?

It is not our initiative

The Aztec example

Because we are observing, and not controlling, an advanced non-human technology for which we apparently do not have a counter-technology, humans do not have the initiative in dealing with the UFO phenomenon.

If ETs were a human adversary; a government that wasn't working on a counter-technology would be derelict. I do not know whether work is underway to provide a counter-technology, but I hope so. Admitting that the government is working on UFO counter-technology would of course mean admitting that UFOs were extraterrestrial.

Although the US government has dropped its direct denial that UFOs are extraterrestrial, it hasn't taken any steps to acknowledge that what this lecture is telling you is true; that some UFOs are extraterrestrial. I doubt that any government will admit that UFOs are extraterrestrial before that same government can tell us that they can protect us against the UFO technology.

What will happen?

It is not our initiative

The Aztec example

In 1521, 600 Spanish soldiers led by Hernando Cortez conquered the Aztec empire based in Mexico. The Spaniards had superior technology: horses, muskets, cannons and armor. The Aztecs looked on the Spaniards as gods; their ships and their technology were beyond Aztec belief.

The analogy between Aztecs confronting Spaniards and humans confronting extraterrestrials is compelling but not necessarily definitive. We don't know the motives of the ETs. All we know is that they have a technology we can't match.

How we manage our relationship with ETs, once this is recognized as an existential problem, remains to be seen.

When every human knows that some UFOs are ETs:

What will *they* do?

What will *we* do?

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I've tried to provide the facts and outline the problems that human civilization now faces because ETs are here, whether we like it – or publicly acknowledge it – or not. But I can't answer the two questions posed here:

What will they do: I don't know.

What will we do? I don't know.

In order to guarantee the continuation of human civilization, I think we better figure out what ETs might do – and what we will do in response.

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JUAN BALLESTER-OLMOS DAVID BALLINGER DON BERLINER
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VALLEE ERIC VON DANIKEN JEAN-JACQUES VELASCO WALTER WEBB
ALEXANDER WENDT RON WESTRUM

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Many scholars have contributed to the information that I have presented and to much of the other information about UFOs and ETs. I can't possibly acknowledge all of them; the names on this screen are a small sample; some of them are gone but many are with us today; some are or were my friends and the rest are colleagues and scholars.

To borrow a phrase from another scientist, I have "stood on the shoulders of giants" to bring you this talk.

I have confidence in the information I have presented; I invite your questions about it.

Coming in January 2017, UFOs: History and Reality

McGill Community for Lifelong Learning winter semester

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-- Just a reminder that I will cover much of the entire topic, including the evidence for ET abductions, during the MCLL study session in the Winter Semester of 2017

Authoritative books about extraterrestrial UFOs

Hynek, J. Allen. *The UFO experience: A scientific inquiry*. Chicago: Regenery, 1972

Sagan, Carl and Thornton Page, eds. *UFOs: A scientific debate*. New York: Barnes and Noble, 1972 *

Jacobs, D. M. *The UFO controversy in America*. Bloomington, IN: Indiana University Press, 1975 *

Sturrock, P. A. (ed). *The UFO enigma: A new review of the physical evidence*. New York: Warner Books, 1999 *

Jacobs, D. M. (ed). *UFOs and Abductions: Challenging the Borders of Science*. Lawrence, KS: University Press of Kansas, 2000 *

Hall, Richard. *The UFO Evidence, Volume II: A thirty-year report*. Oxford, UK: Scarecrow Press, 2001 *

Dolan, R. M. *UFOs and the national security state*. Charlottesville, VA: Hampton Roads Press, 2002.

Kean, Leslie. *UFOs: Generals, pilots and government officials go on the record*. New York: Harmony Books, 2010 *

Swords, Michael & Powell, R. (eds.) *UFOs and government: A historical inquiry*. San Antonio, TX: Anomalist Books, 2012

Donderi, D. C. *UFOs, ETs and Alien Abductions: A scientist looks at the evidence*. Charlottesville, VA: Hampton Roads Press, 2013 *

Maccabee, B. *The FBI-CIA-UFO Connection: The hidden activities of USA Intelligence agencies*. Rochester, NY, Dolan Press, 2014

* Available in or through Schulich Library of Science and Engineering

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This reading list provides, in my opinion, an authoritative, scholarly and comprehensive introduction to the UFO phenomenon as we know it in the twentieth and twenty-first centuries. It is very much like the reading list I would assign for a

course on the topic, if I happened to be teaching such a course.

Thank you very much for your attention.