Evidence Suggesting that *some* UAPs are Advanced Non-Human Craft

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What I Am Doing in this Talk

- Discuss the Nuances Amongst UAP Hypotheses
- Outline the Process of Statistical Hypothesis Testing
- Highlight the Difficulties in Supporting an Extraordinary Hypothesis
- Discuss Strategies for Handling Extraordinary Hypotheses
- Present Evidence that *SOME* UAPs could be Non-Human Craft
- Argue that the Non-Human Craft Hypothesis should be Embraced by the Scientific Community as a Significant and Rational Possibility

What are UAP?

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UAP = Unidentified Aerospace-Undersea Phenomena

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UAP = Unidentified Aerospace-Undersea Phenomena

AMBIGUOUS

HORRIBLY MISUSED

to suggest that we
do not at all know what
these things are

What are UAP (Unidentified Aerospace-Undersea Phenomena)

UAP are a CLASS of Phenomena — not a single thing

















What are UAP (Unidentified Aerospace-Undersea Phenomena)

UAP are a CLASS of Phenomena — not a single thing

















Identification is an Observer-Dependent Characteristic

What it means to be identified depends on the observer Identification is not binary. There are degrees of identification.

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Here is an unidentified flying object

Can you identify it?

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Here is an unidentified flying object

Can you identify it?

"It could be ANYTHING!"
--- your least favorite science popularizer

Identification is an Observer-Dependent Characteristic

What it means to be identified depends on the observer Identification is not binary. There are degrees of identification.



Here is an unidentified flying object

Can you identify it?

"It could be Alive HING!"

--- your least favorite science popularizer

Identification is an Observer-Dependent Characteristic

What it means to be identified depends on the observer Identification is not binary. There are degrees of identification.



Here is an unidentified flying object

Can you identify it?

BIRD!

Identification is an Observer-Dependent Characteristic

What it means to be identified depends on the observer Identification is not binary. There are degrees of identification.



Here is an unidentified flying object

Can you identify it?

BIRD! Eagle!

Identification is an Observer-Dependent Characteristic

What it means to be identified depends on the observer Identification is not binary. There are degrees of identification.



Here is an unidentified flying object

Can you identify it?

BIRD!
Eagle!
Bald Eagle!

Identification is an Observer-Dependent Characteristic

What it means to be identified depends on the observer Identification is not binary. There are degrees of identification.



Here is an unidentified flying object

Can you identify it?

BIRD! Eagle! Bald Eagle!

Identification is an Observer-Dependent Characteristic

What it means to be identified depends on the observer Identification is not binary. There are degrees of identification.



Here is an unidentified flying object

Can you identify it?

BIRD!

Eagle!

Bald Eagle!

Eagle of Genus Haliaeetus

Identification is an Observer-Dependent Characteristic

What it means to be identified depends on the observer Identification is not binary. There are degrees of identification.



Here is an unidentified flying object

Can you identify it?

BIRD!

Eagle!

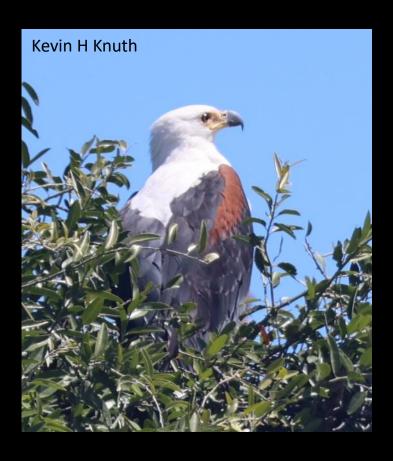
Bald Eagle!

Eagle of Genus Haliaeetus African Fishing Eagle

(Haliaeetus vocifer)

Identification is an Observer-Dependent Characteristic

What it means to be identified depends on the observer Identification is not binary. There are degrees of identification.



Here is an unidentified flying object

Can you identify it?

BIRD!

Eagle!

Bald Eagle!

Eagle of Genus Haliaeetus African Fishing Eagle

(Haliaeetus vocifer)

Identification is an Observer-Dependent Characteristic

What it means to be identified depends on the observer Identification is not binary. There are degrees of identification.



Similarly, one cannot say that this "could be ANYTHING".

What if pilot identifies it as a/an:

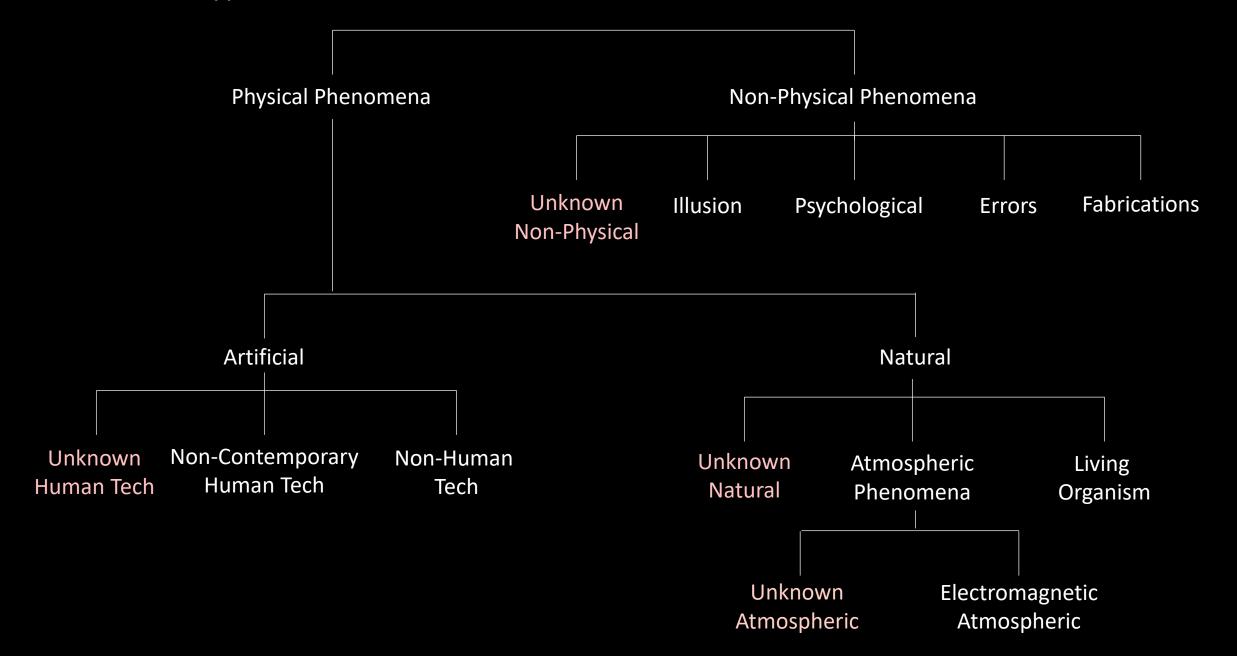
OBJECT

CRAFT

TICTAC

In what sense is it unidentified?

UAP Hypotheses



Natural Phenomena **Artificial Phenomena** Non Human Technology (NHT) Other Hypotheses Falsehoods **Errors**

Natural Phenomena	
Biological :	Animals, +
Astronomical :	Stars, Planets, Comets, Meteors, +
Atmospheric :	Clouds, Mirages, Sun Dogs, Swamp Gas, Unknown Atmospheric, +
Electromagnetic :	Ball / Bead Lightning, Earthquake Lights, Elves, Sprites, Jets, Charged Aerosols, +

Artificial Phenomena

Non Human Technology (NHT)

Other Hypotheses

Falsehoods: Exaggerations, Hoaxes

Errors: Malfunctions, Mis-Calibrations, Mistakes

Natural Phenomena **Artificial Phenomena** Non Human Technology (NHT) Other Hypotheses Falsehoods **Errors**

Natural Phenomena

Artificial Phenomena		
Human Misidentified :	Airplanes, Balloons, Drones, Missiles, Satellites, Space Debris +	
Advanced Human Tech :	Wakanda Hypothesis	
	Secret (Friendly) Government Tech	
	Advanced Adversarial Tech	
	Advanced Corporate Tech	

Non Human Technology (NHT)

Other Hypotheses

Falsehoods: Exaggerations, Hoaxes

Errors: Malfunctions, Mis-Calibrations, Mistakes

Natural Phenomena **Artificial Phenomena** Non Human Technology (NHT) Other Hypotheses Falsehoods **Errors**

Natural Phenomena

Artificial Phenomena

Non Human Technology (NHT)

Extraterrestrial Hypothesis (ETH)

ETH: Automated Extraterrestrial Probes

ETH: Remote Controlled Craft or Probes

ETH: Piloted Craft

ETH: Von Neumann Probes, Artificial Organisms

Non-Humans from Earth

Other Hypotheses

Falsehoods: Exaggerations, Hoaxes

Errors: Malfunctions, Mis-Calibrations, Mistakes

Natural Phenomena **Artificial Phenomena** Non Human Technology (NHT) Other Hypotheses Falsehoods **Errors**

Natural Phenomena

Artificial Phenomena

Non Human Technology (NHT)

Other Hypotheses

Non-Physical Phenomena

Time Travelers

Extra-Dimensional Travelers

and more...

Falsehoods

Errors

Natural Phenomena **Artificial Phenomena** Non Human Technology (NHT) Other Hypotheses Falsehoods **Errors**

Errors:

Malfunctions, Mis-Calibrations, Mistakes

Natural Phenomena **Artificial Phenomena** Non Human Technology (NHT) Other Hypotheses Falsehoods Hoaxes **Pranks** Exaggerations

Natural Phenomena **Artificial Phenomena** Non Human Technology (NHT) Other Hypotheses Falsehoods **Errors**

Natural Phenomena **Artificial Phenomena** Non Human Technology (NHT) Other Hypotheses Falsehoods Errors **Delusions** Mistakes **Equipment Malfunction Equipment Mis-Calibration**

Natural Phenomena **Artificial Phenomena** Non Human Technology (NHT) Other Hypotheses Falsehoods **Errors**

Phenomenon vs Phenomena

UAPs are a Class of Phenomena, not a single thing.



The **UAP Taxa are unknown**.

Multiple Hypotheses are likely to be found to be correct.

We should expect confusion resulting from similar, but different phenomena CONFLATION OF HYPOTHESES is an EXPECTED HAZARD (as discussed by Dr. Misra in his Limina talk)

Extraordinary Claims Require Extraordinary Evidence

Carl Sagan

Extraordinary Claims Require Extraordinary Evidence

Carl Sagan

AMBIGUOUS

to shut down rational discourse and the scientific study of UFOs

Extraordinary Claims Require Extraordinary Evidence

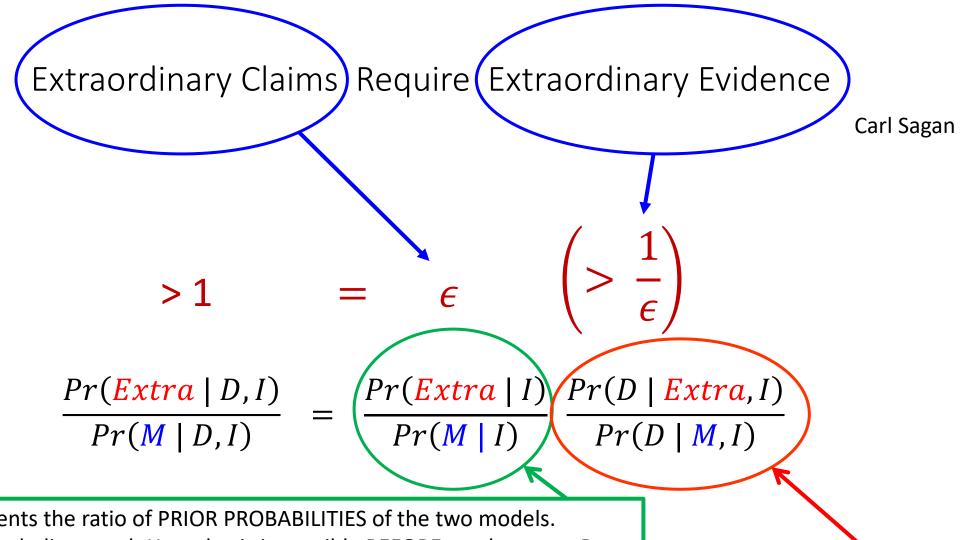
In Science we must compare the probabilities of different models contingent on Data.

*

Statistical Model Testing

* In Science we RULE OUT Hypotheses.

However, in practice, uncertainties handled statistically require that we test one hypothesis against another.



This term represents the ratio of PRIOR PROBABILITIES of the two models. How much do you believe each Hypothesis is possible BEFORE you have any Data

This term represents the ratio of the LIKELIHOOD OF THE DATA given each Model

That no testimony is sufficient to establish a miracle, unless the testimony be of such a kind, that its falsehood would be more miraculous, than the fact, which it endeavors to establish.

David Hume 1748

With the Extraordinary Hypothesis being deemed sufficiently improbable, $\epsilon \ll 1$, there is ALMOST NO AMOUNT of Data that will make Extra more probable than the hypothesis that the Data are in Error!

Strategy to Handle *Extraordinary* Hypotheses

With the Extraordinary Hypothesis being deemed sufficiently improbable, $\epsilon \ll 1$, there is almost no amount of Data that will make Extra more probable than the hypothesis that the Data are in Error!



RECOMMENDED STRATEGY

Reduce Probability of Error
 Multiple Independent Disparate Pieces of Evidence

Modeled after Multi-Messenger Astronomy
Many Different Instruments / Imaging Modalities
Multiple Observation Points
Multiple Independent Observing Groups

- Divide and Conquer the Extraordinary Hypothesis
 Establish Less Controversial Aspects of the Hypothesis
- Remain Agnostic with respect to the Hypotheses

 Focus on Characteristics (Phenomenology)

 that have implications for the set of Hypotheses

Focus on Characteristics

The Five Observables

Advanced Aerospace Threat Identification Program (AATIP) DIA Program 2007 - 2012

- 1. Positive Lift
- 2. Sudden/Instantaneous Acceleration
- 3. Hypersonic Velocity without Signatures
- 4. Trans-Medium Travel
- 5. Low Observability or Cloaking

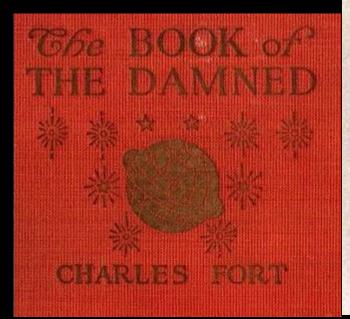
How Extraordinary is the Non-Human Tech Hypothesis?

Revising Our Priors

Charles Fort (born Aug 6, 1874 in Albany NY)

First UFOlogist

The Book of the Damned, 1919





Charles Fort

"it is not the conventional or respectable thing upon this earth to believe in visitors from other worlds, most of us could watch them a week and declare that they were something else, and likely enough make things disagreeable for anybody who thought otherwise."

- Charles Fort, Sept 5, 1926, Letter to the NYT

1947: The Year that UFOs Entered our (USA) Social Consciousness



Leased Wire

Associated Press

ame of Soviet Satellites

Claims Army Is Stacking

Roswell Daily Record

News Department 2287

RAAF Captures Flying Saucer Courts Martial On Ranch in Roswell Region

House Passes

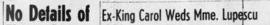
Security Council Paves Way to Talks On Arms Reductions Are Develo

vendewerker. Jenner told newsmen that the routing slips usb personality appeal to the house to
pass the bill by such a decisive
sandised bis charges.

The slip, addressed to the chief, vote-as to persuade the president
of staff, USFET (presumably US
delayer trains).

The slip, addressed to the chief t

Are Revealed

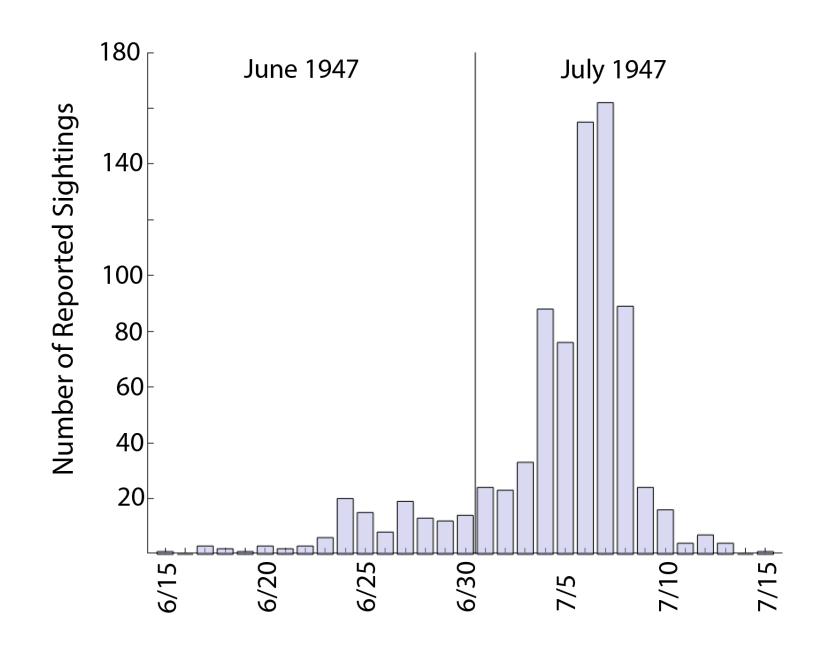




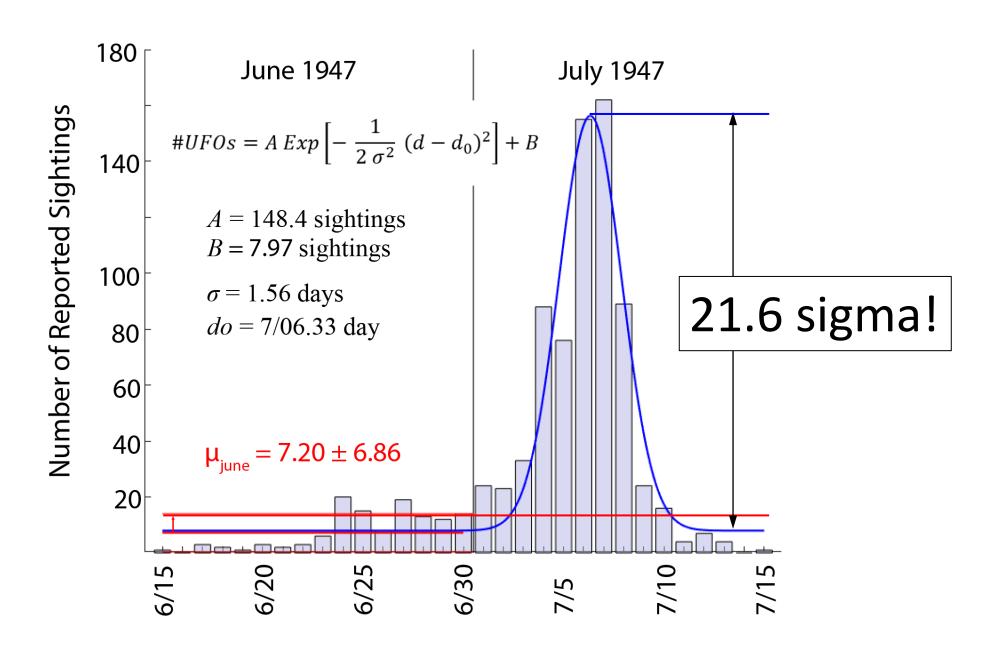


Kenneth Arnold

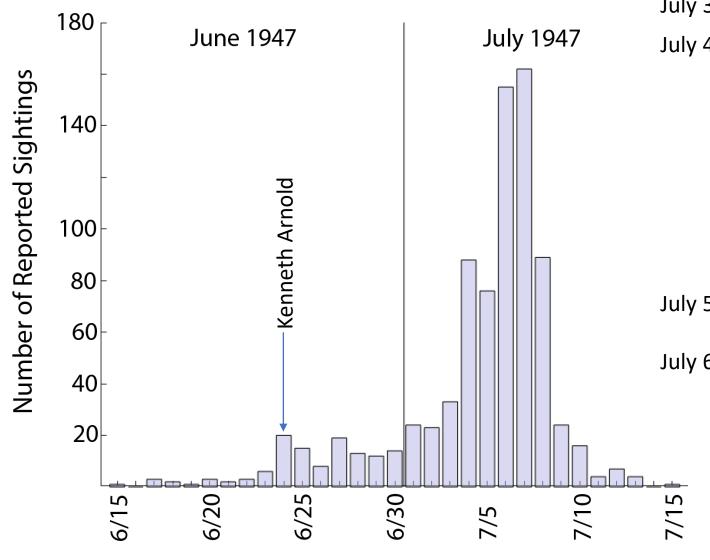
Daily U.S. UFO Sightings - Summer 1947



Daily U.S. UFO Sightings - Summer 1947



Daily U.S. UFO Sightings - Summer 1947



SOME of the July 1947 Sightings *

TWO crashes in NM (Roswell & San Augustin Plains)

July 3: Landing of 8 Large Objects – 10 witnesses in ID

July 4: 35 Objects in 3 Formations - 60 people Twin Falls ID Lone Disk in Sky — 200 witnesses in Spokane WA Two Groups of Disks — entire UA crew ID/OR border Disks over Portland OR — dozens of police + people Air-to-air sightings — two pilots in CA and ID Photo Taken — Coast Guardsman in WA Disk over Lake Ponchartrain in New Orleans 20+ disks over Port Huron MI — multiple witnesses

July 5: Propellor shaped object - two TWA pilots Neapolis OH

July 6: B-26 pilot and crew observe a disk pacing off left wing

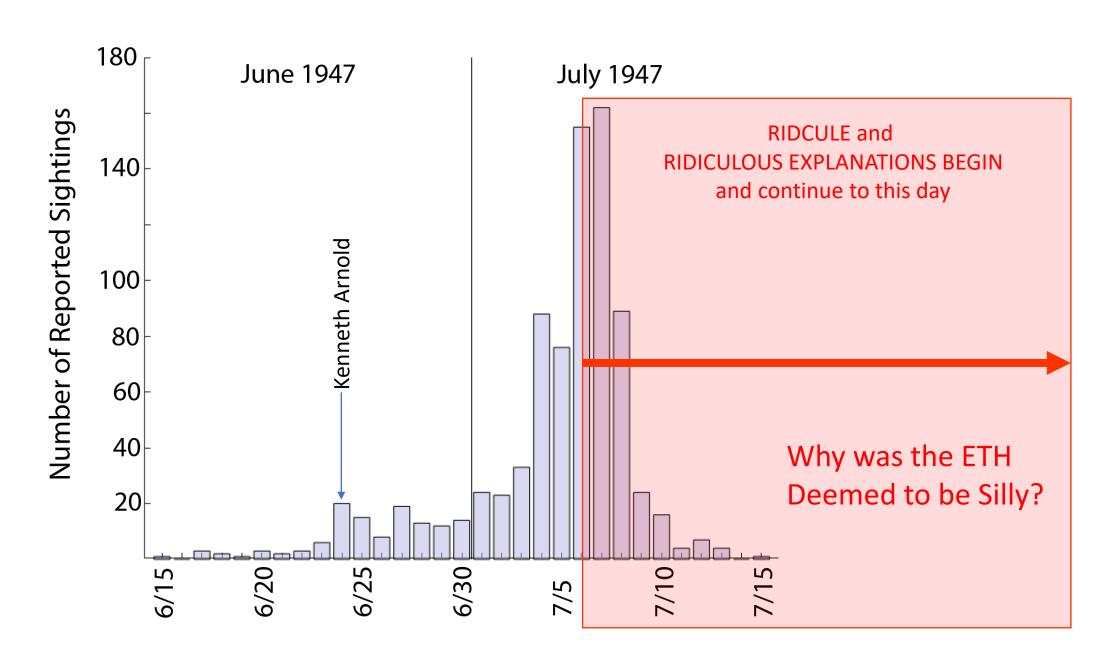
Clay Center KS at 1:45pm (Hynek – "astronomical")

Landing near Tempe AZ

Landing near Pocatello ID

* (Bloecher 1967)

Daily U.S. UFO Sightings - Summer 1947



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UAP Characteristics

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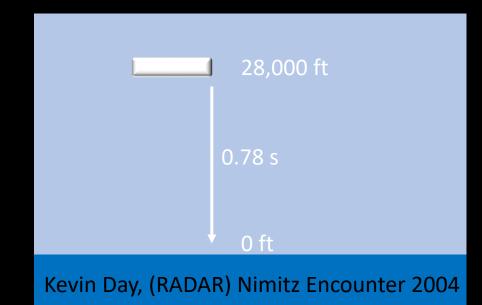
Sudden/Instantaneous Acceleration Hypersonic Velocity without Signatures

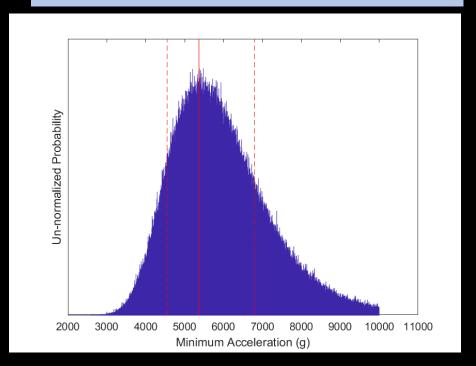
Sudden/Instantaneous Acceleration

"Instantaneous" really means Too High to Measure

Knuth, Kevin H., Robert M. Powell, and Peter A. Reali 2019. "Estimating Flight Characteristics of Anomalous Unidentified Aerial Vehicles" *Entropy* 21, no. 10: 939. https://doi.org/10.3390/e21100939

Case	Event	Year	Min Acc	Max Speed
Bethune		1951	1700 g	
JAL 1628		1986	68 – 84 g	
Nimitz	Day - Radar	2004	5400 g	Mach 60 = 74,000 kph
	Fravor		150 g	
	ATFLIR		76 g	





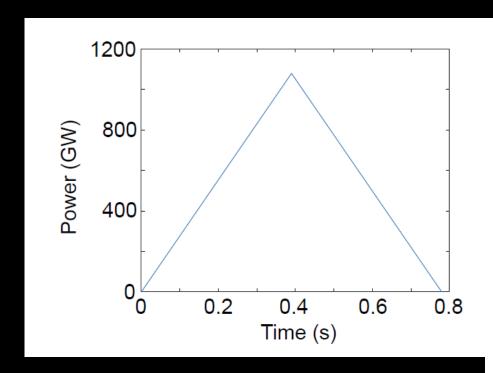
Nimitz 2004

The power required to accelerate the TicTac at a=5400g

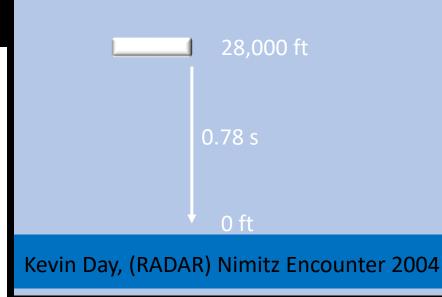
is found by $P = Fv = mav = ma^2t$

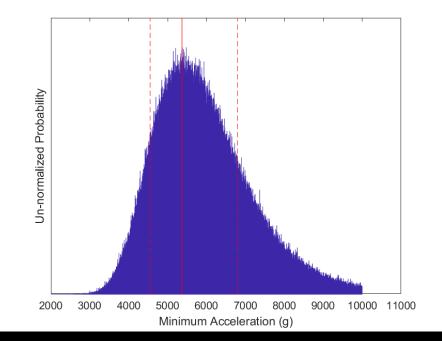
Assuming a mass (1/10 of the F-18): m=1000kg the maximum power is

 $P = 1100 \; GW$



This is more that 10 x the TOTAL nuclear power output of the United States!!!





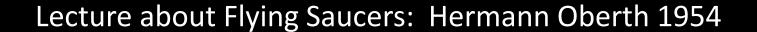
Knuth, Kevin H., Robert M. Powell, and Peter A. Reali 2019. https://doi.org/10.3390/e21100939

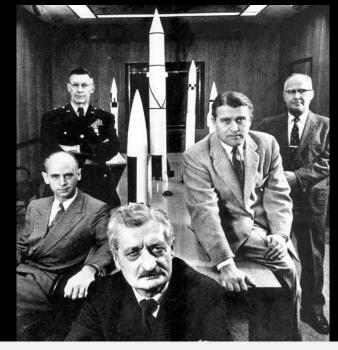
Hermann Oberth

The German Father of Modern Rocketry

Mentor to Werhner von Braun

Wrote: Die Rakete zu den Planetenräumen (By Rocket into Planetary Space)





Hermann Oberth (center), Wehrner von Braun (to the right), Credit: NASA

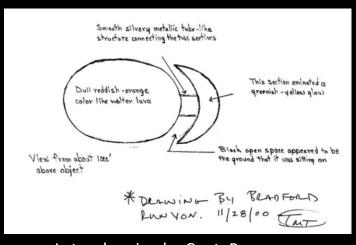
19 km/sec = Mach 55 \approx 42,500 mph

Their speed is sometimes very high. 19 km/sec has been measured with wireless measuring instruments (radar). Accelerations are so high that no man could stand it; he would be pressed to the wall and bruised. The accuracy of such measurements has been doubted. If there would be only 3 or 4 measurements, I would not rely upon them and would wait for futher measurements, but there is existing more than 50 such measurements; the wireless sets (radar) of the American Air Force and Navy, which are used in all fighters, cannot be so inaccurate that the information obtained with them can be doubted completely.

Radar Observations at Minot AFB, 1968

During the early morning hours of Oct 24, 1968, two glowing UFOs were observed at Minot Air Force Base, North Dakota USA which supports nuclear ICBMs.

At 3 am an approaching B-52H was alerted to watch for bright glowing orange UFOs.



Later drawing by Capt. Runyon

During a 180 degree turnaround, **both** ground and B-52 radar systems detected an object maintaining a 3 miles distance from the airplane following its descent rate.

Within one 3 second sweep of the radar, the UFO closed two miles distance positioning itself only 1 mile away from the airplane pacing it for 20 miles.

The plane banked and flew over the UFO which was egg-shaped and glowing like molten lava.

The acceleration to close the 2 mile distance was found by Claude Poher to be 209 g with a top speed of Mach 12 (15,000 kph).

Poher, C. 2005. Analysis of Radar And Air-Visual UFO Observations on 24 October 1968 at Minot AFB, North Dakota, USA.

JAL 1628, Anchorage Alaska, 1986

On Nov 17, 1986, the JAL Boeing 747, Flight 1628, was flying from Tokyo to Paris when it encountered several UFOs over Alaska. A large UFO about the size of an aircraft carrier followed JAL 1628 For approximately 50 minutes.

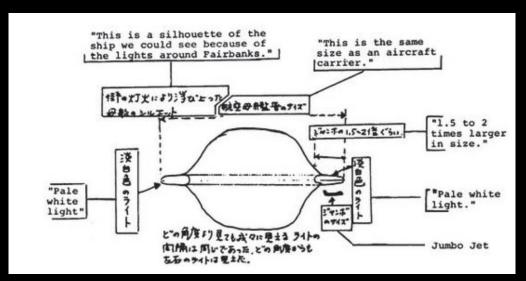
While summarized in Knuth, Powell, Reali 2019, Dr. Coumbe obtained and more carefully analyzed the radar data of the large UFO's motion.

Dr. Coumbe analyzed 11 jumps made by the UFO across the path of the 747.

Three of these jumps exhibited accelerations exceeding 9000 g with top speeds of Mach 350 (432,000 kph or 269,000 mph).

At 269,000 mph, the UFO could have reached the Moon in 53 min!

Coumbe D. 2022. Anomaly, Rowman & Littlefield Publishers, Wash DC



Drawing by Capt. Terauchi

Jump	Max. Speed (Mach)	Acceleration (g)
1	53 ± 1	256 ± 3
2	83 ± 2	612 ± 10
3	52 ± 1	244 ± 3
4	53 ± 1	256 ± 3
5	322 ± 29	9656 ± 815
6	77 ± 2	548 ± 10
7	52 ± 1	252 ± 3
8	76 ± 2	536 ± 10
9	316 ± 29	9450 ± 815
10	76 ± 2	536 ± 10
11	350 ± 29	10786 ± 815

Table from Coumbe, Anomaly 2022.

Hypersonic Velocity without Signatures No Sonic Booms or Fireballs!

Important Points:

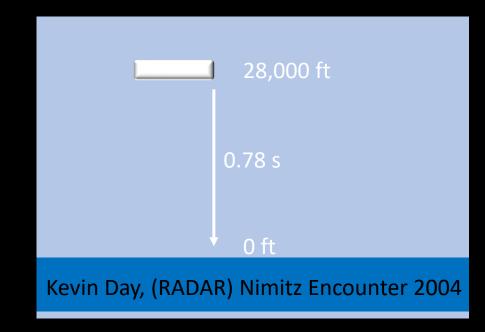
UFOs exhibit extreme accelerations!

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5400 g (Knuth, Powell, Reali 2019)
10,786 g (Coumbe 2022)
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UFOs have been tracked at Hypersonic Speeds in air

Hypersonic Speeds as high as:

- Mach $55 \approx 42,500$ mph (Oberth 1954 Multiple Cases)
- Mach $12 \approx 9,300$ mph (Poher, 2005)
- Mach $60 \approx 46,000$ mph (Knuth, Powell, Reali, 2019)
- Mach $350 \pm 29 \approx 268,500$ mph (Coumbe, 2022)



- No energy deposition when decelerating or stopping
 - Nimitz 2004 drop maneuver should have deposited at least $4.3 imes 10^{11}$ J of energy (100 tons of TNT) assuming a mass of 1000 kg (Knuth, Powell, Reali, 2019)

DIFFICULTY: ERROR IN DATA? Pr(D | Error, I)

Natural Phenomena

Biological: Animals, +

Astronomical: Stars, Planets, Comets, Meteors, +

Clouds, Mirages, Sun Dogs, Swamp Gas, Unknown Atmospheric, + Atmospheric:

 \sim 40,000 mph (knuth, Powell, Reall, 2019)

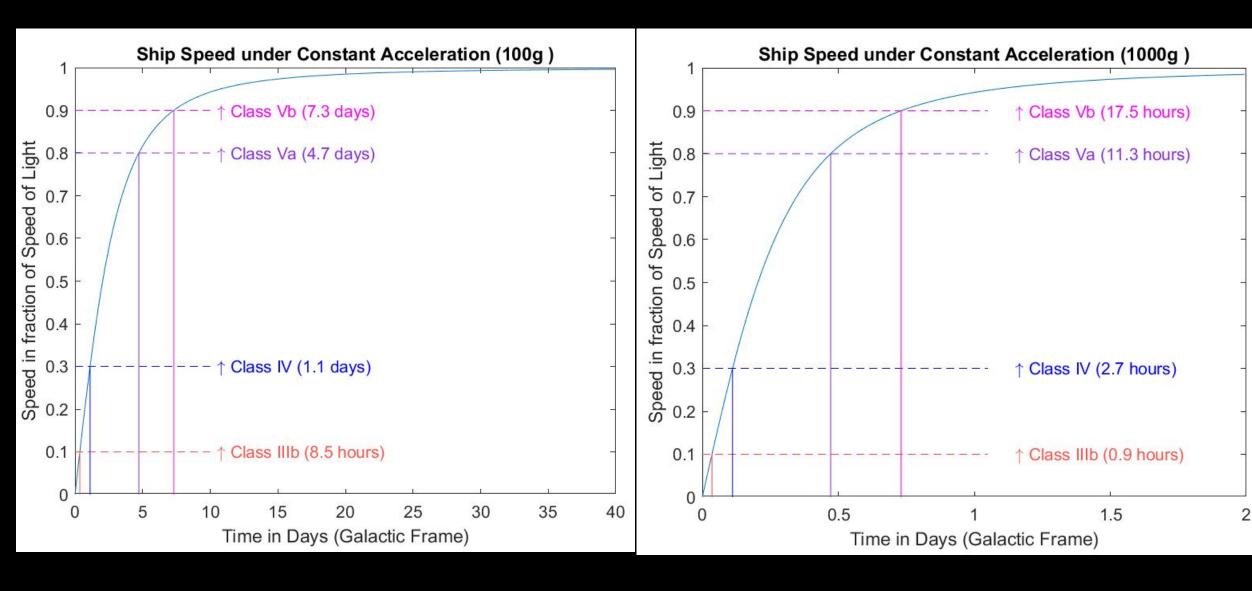
As well as Human Technology

Advanced Human Tech

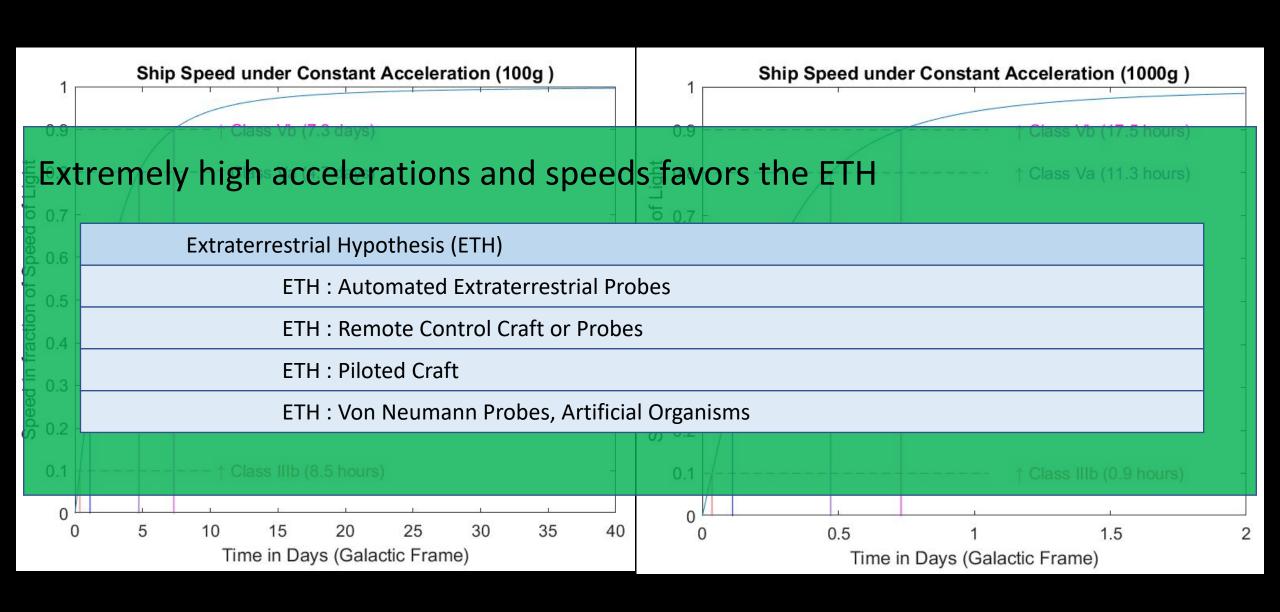
DIFFICULTY: ERROR IN DATA?

Pr(D | Error, I)

Consequences of High Acceleration



Consequences of High Acceleration



Luminosity

Extreme Luminosity

Some UAP are EXTREMELY luminous, so much so that many of the photographs are difficult to imagine and interpret.



Canadian Rockies near Macleod, Alberta Royal Canadian Air Force pilot R. J. Childerhose on Aug. 27. 1956



Salem Massachusetts Air Station (USA) Coast Guardsman Shell R. Alpert on July 16, 1952



Holloman Air Development Center, New Mexico USA, Oct 16, 1957

Luminosity Estimates

Dr. Bruce Maccabee studied the 1956 Royal Canadian Air Force photograph. The results were summarized and reported by Dr. Jacques Vallee



Canadian Rockies near Macleod, Alberta Royal Canadian Air Force pilot R. J. Childerhose on Aug. 27. 1956 The radiance of the object is given by

$$L_o = \frac{4}{\pi} E_i (f\#)^2 \frac{\exp\left[\frac{\tau_{raf} - \tau_{uap}}{\cos \alpha}\right]}{T (\cos \beta)^4}$$

where $E_i = H/t$ is the irradiance dependent on the measured exposure level H and the shutter time t

f# is the f-stop

au is the optical thickness of the atmosphere

 α is the angle of the line-of-sight to the vertical

eta is the off-axis angle of the UAP

Luminosity Estimates



Canadian Rockies near Macleod, Alberta Royal Canadian Air Force pilot R. J. Childerhose on Aug. 27. 1956

With a measured exposure level of

$$H = 10^{-4} J/cm^2$$

and a shutter time of about

$$t = \frac{1}{125s} = 0.008s$$

the radiance was estimated to be

$$L_o \approx 2W/sr/cm^2$$

Given an estimated distance between 6 and 20 km, the luminous power output was estimated to be between:

2,500 and 30,000 MegaWatts

Maccabee, B. Optical power output of an unidentified high altitude light source. J. of Scientific Exploration 13, 2 (1999), 199-211.

Vallee, J. F. Estimates of the optical power output for six cases of unexplained aerial objects. In The UFO enigma: A new review of the physical evidence, P. A. Sturrock, Ed. Warner Books, 1999.

Luminosity Estimates

While other luminous power estimates (Vallee 1999) range from tens of kiloWatts to 500 megaWatts, luminous power up to thousands of megaWatts is shocking.

These powers are, again, on the order of those from nuclear power plants. As in the case of maneuvers, this rules out natural phenomena and human tech.

An engineer ought to ask:

What is the purpose of emitting hundreds to thousands of megaWatts of light?

If this is a merely a byproduct of the propulsion system, then it is shocking (and telling) that wasting megaWatts of power is an acceptable loss!

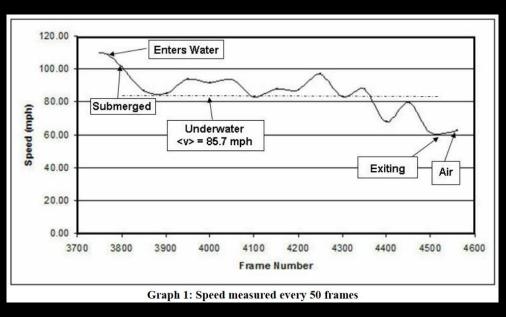
Vallee, J. F. Estimates of the optical power output for six cases of unexplained aerial objects. In The UFO enigma: A new review of the physical evidence, P. A. Sturrock, Ed. Warner Books, 1999.

UAPs can travel effortlessly in multiple media

Insignificant change in speed

The Aguadilla UAP appears to enter the water at a speed of just over 100 mph, and continues traveling through the water at about 85 mph





https://www.explorescu.org/post/2013-aguadilla-puerto-rico-uap-incident-report-a-detailed-analysis

Trans-medium Travel of UFOs has been observed and recorded for **over 140 years**!

Date	Location	Observers	Medium	Event
May 15 1879	Persian Gulf	Ship Vultur	А	Two large spinning wheels (40 m diam)
1880	Persian Gulf	Ship Patna	Α	Two large spinning wheels
March 1887	?	Dutch Barkentine	A -> W	Two strange objects fall into the sea
Nov 1887	Cape Race Newfoundland	Published in L'Astronomie	W -> A	Object emerges from water, hovers near ship and speeds into the sky
1902	?	Ft. Salisbury	A -> W	Unknown object goes into the sea
June 3 1909	Malacca Strait	Danish Steamer Bingtang	W	Large Luminous Spinning Wheel Surfaces
June 16 1909	Don Hoi China	Four Fishermen	A -> W	Luminous UFO flew over city the dropped into Sea several miles off the coast
Aug 12 1910	South China Sea	Dutch Ship Valentijn	W	Large spinning wheel close to surface

Trans-medium Travel of UFOs has been observed and recorded for **over 140 years**!

Trans-Medium Travel Rules Out Both Natural Phenomena and Human Tech					
1 Natural Phenomena					
March 1887	?	Dutch Barkentine	A -> W	Two strange objects fall into the sea	
Artificial Phenomena					
				snip and speeds into the sxy	
		Ft. Salisbury			
June 3 1909	Malacca Strait	Danish Steamer Bingtang	W	Large Luminous Spinning Wheel Surfaces	
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Landings and Physical Traces

Prominent Landings

Farm outside Delphos Kansas USA, Nov 2, 1971 UFO hovered above the ground leaving physical traces

Westall High School, Melbourne Australia, April 6, 1966

Many students and a teacher witness a UFO land near the schoolyard

South Korea, Two UFOs observed to land near a school in 1973
- Yu and Maeng — Limina Inaugural Symposium 2023

COMETA Report presents four CEPAN/SEPRA studies of landings, some accompanied by beings, leaving physical traces, such as marks from the landed craft, footprints, and in one case damage due to high electric fields and the smell of sulphur.

Delphos Kansas Farm Landing 1971

On Nov 2, 1971, Ronald Johnson was tending sheep when he heard a loud rumbling and saw a large object 75 feet away with a blue, red, and orange glowing surface. The object was hovering just above the ground.

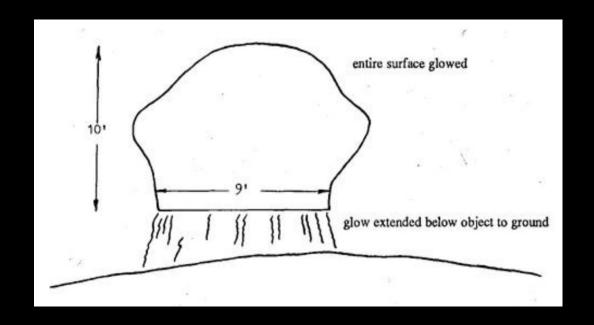
He observed a bright glow between the object and the ground.

After several minutes the UFO moved away passing over a shed where it became brighter and made a noise like a jet engine.

Ronald then momentarily lost his sight.

He went to tell his parents, who came and saw the UFO at some distance. The UFO was also reported by a reserve police officer who called the sighting in to his base.

Extensively studied by Dr. Erol Faruk



Delphos Kansas Farm Landing 1971

Upon investigating the area where the UFO hovered, they found that there was a glowing ring on the ground, and that some of the leaves on the trees were also glowing.

Erma Johnson ran to get a Polaroid 104 camera and took a photo of the glowing ring (top image).

On touching the ring, it felt as if there was a crystalized crust on the soil.

The soil had an unusual odor, and when touched produced a sensation similar to an anaesthetic, which had some persistence.



Delphos Kansas Farm Landing 1971







Dec 14, 1971 Ted Phillips (MUFON) with snow

The ring persisted over time.

The ring material was extremely hydrophobic extending to a depth of 14 inches.

Contains oxalic acid, as well as Higher amounts of potassium (4x), copper (2.5x), and manganese (11x) over control soil possibly account for the chemoluminosity

Faruk, E.A., 1989. The Delphos Case: Soil Analysis and Appraisal of a CE-2 Report,,... *Journal of UFO Studies*, *1*, pp.41-65.

Phillips, Ted. *Landing Report from Delphos*. Flying Saucer Review (Case Histories), No. 9: 4-10. 1972

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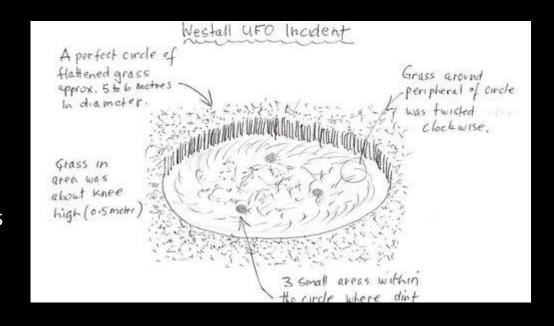
Westall Schoolyard Landing 1966

On April 6, 1966, 200 students and teachers at Westall High School in Melbourne Australia witnessed a 1 to 3 silver flying disks fly over the school, descend and land in a patch of trees just beyond the school property.

Two disk landed leaving circles of flattened, partially scorched grass after they took off.

Three girls went over the fence to find the UFO.

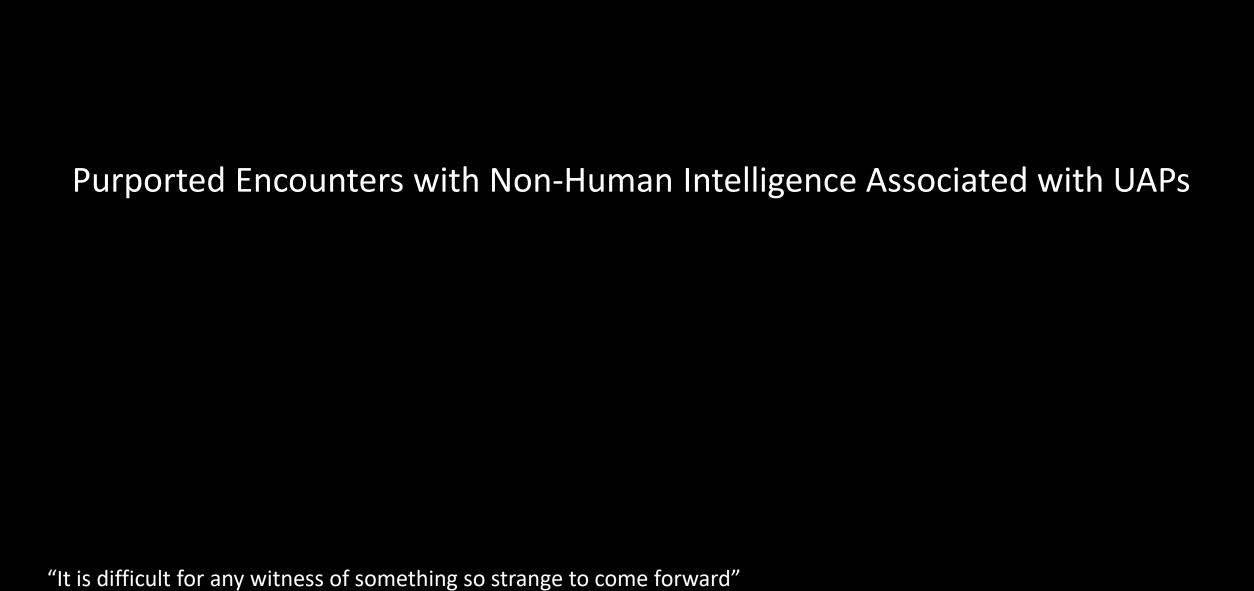
About 40 minutes later, army and air force personnel arrive and cordon off the area. One of the teachers, Mr. Greenwood, sneaks into the area to see military Personnel with equipment around the landing circles.



IF some UAPs are advanced non-human craft, then it stands to reason that the possibility exists that some may have encountered this non-human intelligence.

Numerous reliable accounts suggest that this has indeed occurred.

Moreover, these accounts give additional credence to the hypothesis.



---Randall Nickerson

Purported Encounters with Non-Human Intelligence Associated with UAPs

Boianai Mission UFO Encounters: Papua New Guinea, June 26-27, 1959 ~40 people witness a UFO with four "men" standing on an exterior deck.

Soccorro Landing: Soccorro New Mexico USA, April 24, 1964
Sergeant Zamora witnessed a craft with two small people.

Ariel School Landing and Encounter: Ruwa Zimbabwe, Sept. 16, 1994 ~62 children witness at least one craft and interact with entities.

Boianai Mission UFO Encounters: Papua New Guinea, 1959

In June 1959 UFOs were seen for several nights near Mount Pudi and the Boianai Mission in Papau New Guinea.

On June 26, Anglican Priest, Father Gill and several teachers and parishioners (38 in all) saw a large disk hovering about 100 meters off the ground. It had four legs, portholes, and what appeared to be a deck on the upper surface. Occasionally a shaft of blue light was emitted upward at 45 degrees.

Several men came out onto the upper deck.

Observations lasted for about four hours.

The object was seen again the next night with two smaller UFOs.



https://www.youtube.com/watch?v=4I75neaOIGE

Four small men came onto the deck and appeared to be working.

At one point Father Gill and others waved, and the four men waved back!

Soccorro NM Landing 1964

On April 24, 1964, Officer Lonnie Zamora witnessed an egg-shaped object land in an arroyo south of the town Of Socorro New Mexico.

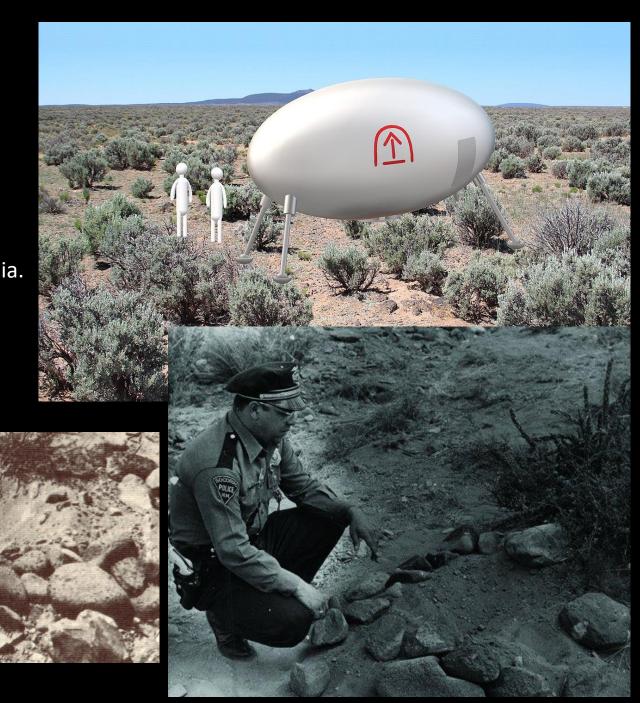
The object was seen in flight by 5 nearby tourists.

Officer Zamora investigated and approached to a distance of about 50 feet and saw a large white craft with a red insignia.

He briefly saw two small people in white near the craft.

The craft then emitted a loud roar with a blue and orange flame as the object lifted off the ground Before taking off at high speed.

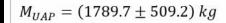
The event left physical traces, such as marks from the landing pads, burning vegetation and scorched earth and rocks.



Soccorro NM Landing 1964

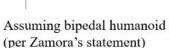
The physical evidence at the Landing Site enables one to estimate the mass of the craft, as well as the mass of the occupants.

Dr. Coumbe's Limina 2023 Talk presents his careful analysis of the ground impressions of the craft's landing pads, and footprints left by the beings.





$$M_{2\text{legs}} = (41.9 \pm 16.8) \text{ kg}$$



Standardized height and weight conversion chart 4' 10" (148 cm). Height of a typical 11-year-old boy.

Dr. Daniel Coumbe's Limina 2023 Presentation

On Sept 16, 1994 one or more Silver Craft landed near the Ariel School in Ruwa, Zimbabwe.

The event was witnessed by more than 60 school children.

Small humanoid beings approached the children and communicated telepathically.

Details of the reports are strange with the craft changing positions, beings moving as if in slow motion, disappearing and reappearing, or running as if in a loop.



Photographs of Physical Evidence of the Landing by Investigator Gunter Hofer

Event investigated by Cynthia Hind and Gunter Hofer, documented by BBC correspondent Tim Leach, and Prof. John Mack

Documentary by Randall Nickerson



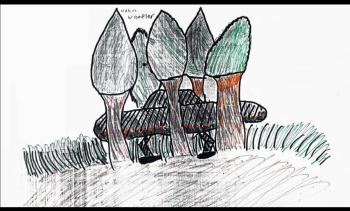


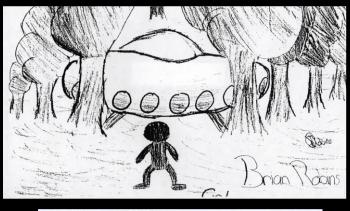


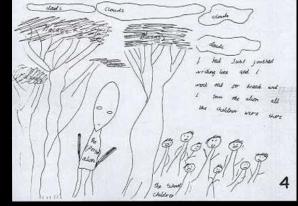


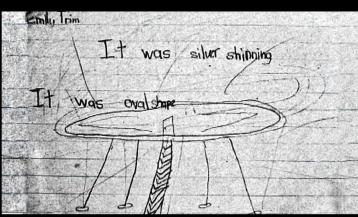
Drawings of the Landed Craft and Beings



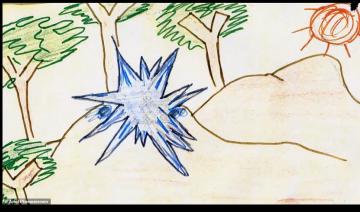












"You have to see it to believe it.

If somebody is a staunch believer that it is not, how is me telling them my experience going to change what they think?



It will change what they think about me.

Its not going to change what they think about the universe. And I don't need that.

But with 60 of us all saying it together, that will change what that one person thinks about the universe."

--- Emma Kristiansen
1994 Ariel School Landing Witness



Potential UAP Hypotheses

Natural Phenomena **Artificial Phenomena** Non Human Technology (NHT) Other Hypotheses Falsehoods **Errors**

Potential UAP Hypotheses

Natural Phenomena Non Human Technology (NHT) Other Hypotheses Falsehoods **Errors**

Potential UAP Hypotheses

Natural Phenomena

Artificial Phenomena

Non Human Technology (NHT) Extraterrestrial Hypothesis (ETH) ETH: Automated Extraterrestrial Probes ETH: Remote Control Craft or Probes ETH: Piloted Craft ETH: Von Neumann Probes, Artificial Organisms Non-Humans from Earth

Other Hypotheses

Falsehoods: Exaggerations, Hoaxes

Errors: Malfunctions, Mis-Calibrations, Mistakes

Conclusions

UAPs are a CLASS of PHENOMENA – apparently varied and complex

We should expect confusion and conflation of similar, yet different, phenomena

We NEED many examples of independent data sets with multiple instruments (multi-messenger, multi-modal)

We cannot ignore witness testimony – **Handle with Care!**

We cannot ignore witness accounts of High Strangeness – Important Clues!

Some UAP are partially identified by witnesses as Non-Human Craft
Supported by Extreme Accelerations and Speeds – without signature
Supported by the extreme observed power – both maneuvers and luminosity
Supported by Multi-Media Travel – witnessed many times for over a century

The Scientific Community must accept that the Hon-Human / Extraterrestrial Hypotheses are not unreasonable – **of course MORE evidence is needed!**ETH is not just possible, but PROBABLE!

Must Confront the Copernican Principle AGAIN!

"with ... us all saying it together, that will change what that one person thinks about the universe."

--- Emma Kristiansen

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