

# Doc Greene Show May 2018 (The Fermi Paradox)

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### Wikipedia:

“The **Fermi paradox**, or **Fermi's paradox**, named after physicist [Enrico Fermi](#), is the apparent contradiction between the lack of [evidence](#) and high [probability](#) estimates<sup>[1]</sup> for the existence of [extraterrestrial](#) civilizations.<sup>[2]</sup> The basic points of the argument, made by [physicists Enrico Fermi](#) (1901–1954) and [Michael H. Hart](#) (born 1932), are:

There are billions of stars in the [galaxy](#) that are similar to the [Sun](#),<sup>[3][4]</sup> and many of these stars are billions of years older than the [Solar system](#).<sup>[5][6]</sup>

With high probability, some of these stars have [Earth](#)-like planets,<sup>[7][8]</sup> and if the Earth is typical, some may have developed [intelligent](#) life.

Some of these [civilizations](#) may have developed [interstellar travel](#), a step the Earth is investigating now.

Even at the slow pace of currently envisioned interstellar travel, the [Milky Way galaxy](#) could be completely traversed in a few million years.<sup>[9]</sup>

According to this line of reasoning, the Earth should have already been visited by extraterrestrial aliens. In an informal conversation, Fermi noted no convincing evidence of this, leading him to ask, "Where is everybody?"<sup>[10][11]</sup> There have been many attempts to explain the Fermi paradox, primarily either suggesting that intelligent extraterrestrial life is extremely rare or proposing reasons that such civilizations have not contacted or visited Earth.”

**The question of robot tallies via geometric progression is also involved.**

## Information vs actual space travel



**What if I were to tell you, that the solution to the Fermi Paradox was to be sought in the Old Kingdom Egyptian notion of Ka?**

### **Julian Jaynes**

Julian Jaynes was a psychology professor and amateur philologist at Princeton University whose main interest in historical questions involved Homer's *Iliad* and other literature from the same time period. Reading through such materials, Jaynes began to notice the curious absence of decision making in the *Iliad* and in other works from the same age. At every point at which you or I would have to stop to consider how to proceed, the people in these ancient narratives are being told what to do by inner voices, which are described as gods and goddesses.

It began to dawn on Jaynes that what we would call schizophrenia today, hearing voices, was likely the normal state of affairs in ancient times. At that point, Jaynes appears to have gone to the experts in neurophysiology at his school with the obvious question: "What if anything could there possibly be in the human brain that would cause somebody to hear voices for no apparent reason?" The basic answer was that there actually is a right brain analog to the speech center (Wernicke area) on the left side of the human brain.

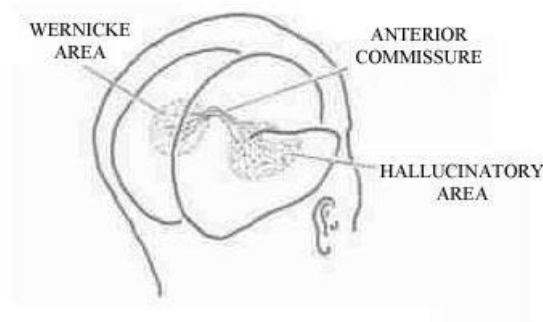
For all intents and purposes this right-brain analog of the speech center appears to be a neurophysiological equivalent of the human appendix, i.e. it serves no apparent purpose. However, when this right side analog area is stimulated with electrical probes, as is sometimes done in experiments with epileptics, more often than not the patients claim to be hearing voices as real as if someone were speaking to them. Were ancients actually using a part of the human brain which we no longer use?

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All of this motivated Jaynes to write a book with the impossible title: "*The Origin of Consciousness in the Breakdown of the Bicameral Mind*", which became an academic sensation in the mid to late 1970s.

Jaynes was an evolutionist; he assumed he had discovered that, at least during the time between Exodus and Alexander, which was the time frame he was interested in, human societies had simply evolved into a state in which they were being controlled by what he termed "auditory hallucinations." Thus his diagram (reproduced below) that shows the speech center, the right side analog to the speech center, and the bridge crossover between the two, and denoting the right side analog to the speech center as a "hallucinatory" area.

### The WIFI chip



(Image from Jaynes "Origin of Consciousness," page 104)

## Al DeGrazia and Hugh Crossthwaite, Electrostatics and Ancient Religion

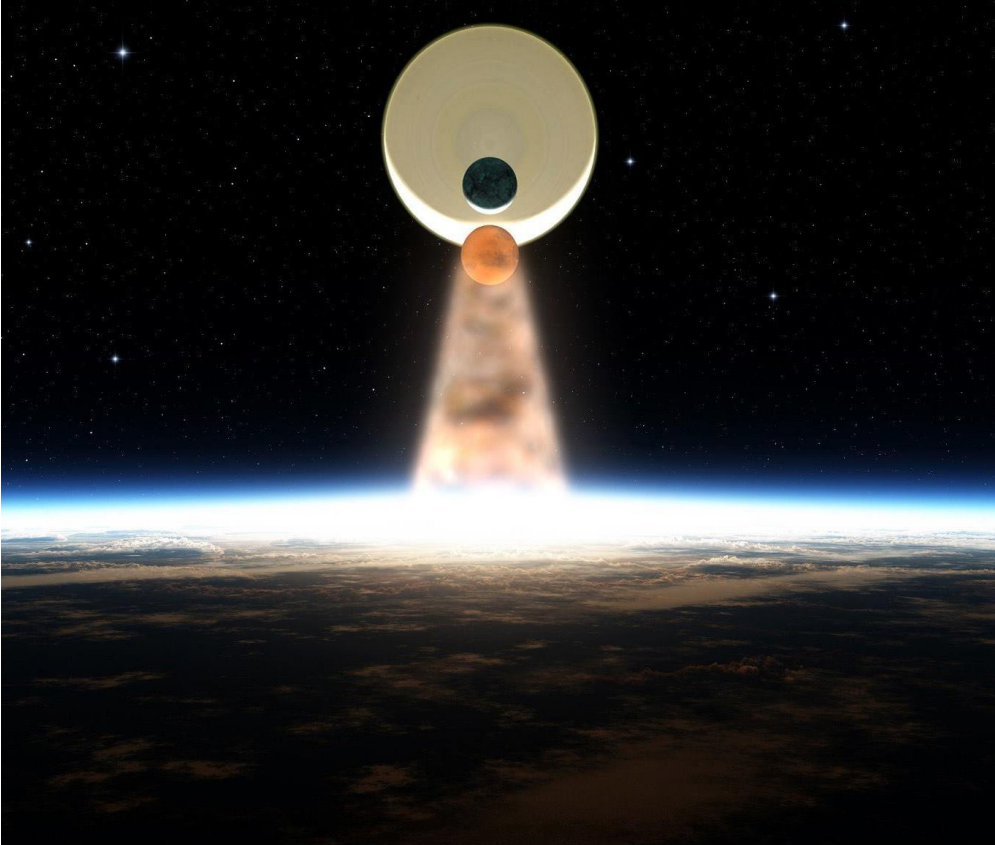
Linked from [www.bearfabrique.org](http://www.bearfabrique.org)

<http://bearfabrique.org/History/degrazia.html>

Al DeGrazia and Hugh Crossthwaite authored a number of works, linked from bearfabrique as well as from DeGrazia's own website, describing the electrostatic nature and characteristics of the ancient world and the influence of that on ancient rituals and religious practices. A person having read Julian Jaynes's book AND these works of DeGrazia and Crossthwaite will quickly notice that the things which DeGrazia and Crossthwaite are describing as electrostatic phenomena are pretty much the same things which Jaynes was describing as bicameral phenomena.

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**Nobody should need to be Albert Einstein to interpret that to mean that the electrostatic phenomena were enabling the bicameral phenomena**



**Al DeGrazia:**

### THE ELECTROSTATIC AGE

*His lightnings lighten the world; the Earth sees and trembles.*

*The mountains melt like wax before the Lord, before the Lord of all the earth.*

This Psalm 97 of the Bible seems to have been composed by a devout but advanced electrician. So also seems Deborah: "The mountains melted... even that Sinai." (Judges 5:4-5). Only lately, and by means of satellites, have scientists known of mega-lightning, 100 times more intense than the typical thunderstorms discharges, which shoots bolts of  $10^{13}$  watts and  $10^9$  joules between the highest atmosphere and low clouds or earth [52].

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Such discharges, of which there are many and which were probably once more common, can transmute heavy elements and create radioactivity in abundance...

..... Throughout the world, altars were placed on eminences, where a "priesthood of the mountain" would collect and administer static electricity in the course of its rituals, orgies, and oracles. These would not necessarily be the highest peaks. Very tall mountains discharge readily and invisibly into the vapor clouds that hover over them and frequently envelop them. For electrical purposes, lesser eminences, with the proper types of conductive rock, the proper network of fractures, and the presence of groundwater steeply descending would facilitate the religious function. Everywhere priesthood developed an expertness in selecting and shaping sites for the exploitation of divine fire. The Druids of Britain distinguished between the lightning of priesthood (*dru-lanack*) and the lightning of god (*dis-lanack*). In Egypt, the age of pyramids preceding Exodus brought the mountain priesthoods to the flat Nile Valley.

### High Places (Bible):

LEV 26:30 And I will destroy your high places, and cut down your images, and cast your carcasses upon the carcasses of your idols, and my soul shall abhor you.

NUM 22:41 And it came to pass on the morrow, that Balak took Balaam, and brought him up into the high places of Baal, that thence he might see the utmost part of the people.

Etc.

### The Telepathic Age and the Tower of Babel

City states around the Mediterranean basin had run for centuries on information coming back from prophets and oracles and Jaynes himself noted<sup>1</sup>:

*"The obdurate rationalist simply scoffs plena deo indeed ! Just as the mediums of our own times have always been exposed as frauds, so these so-called oracles were really performances manipulated by others in front of an illiterate peasantry for political or monetary ends. But such a realpolitik attitude is doctrinaire at best. Possibly there was some chicanery in the oracle's last days, perhaps some bribery of the prophetes, those subsidiary priests or priestesses who interpreted what the oracle meant. **But earlier, to sustain so massive a fraud for an entire millennium through the most***

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*brilliant intellectual civilization the world had yet known is impossible, just impossible. Nor can it gibe with the complete absence of criticism of the oracle until the Roman period. Nor with the politically wise and often cynical Plato reverently calling Delphi “the interpreter of religion to all mankind.”*

That appears to be as close as Jaynes ever came to considering the possibility that any of the phenomena he was writing about may have been real, or that real information was involved.

Jaynes appeared to be limiting his view to the age following Exodus. What happens if you go back further in time and, in fact, to the true antediluvian period?

<http://www.bearfabrique.org/Misc/telepathicAge.pdf>

Basically, human communication prior to the flood and the fall of the tower was telepathic, that is what the story of the tower means.

## The ark of God

EXO 25:21 And thou shalt put the mercy seat above upon the ark; and in the ark thou shalt put the testimony that I shall give thee.

EXO 25:22 And there I will meet with thee, **and I will commune with thee from above the mercy seat, from between the two cherubims** which are upon the ark of the testimony, of all things which I will give thee in commandment unto the children of Israel.

NUM 7:89 And when Moses was gone into the tabernacle of the congregation to speak with him, **then he heard the voice of one speaking unto him from off the mercy seat that was upon the ark of testimony, from between the two cherubims:** and he spake unto him.

2SA 6:2 And David arose, and went with all the people that were with him from Baale of Judah, to bring up from thence the ark of God, whose name is called by the name of the LORD of hosts that **dwelleth between the cherubims.**

## Easter

There are a half dozen or so stories in the Bible about people being heard from after they died and three which are common: the stories about Jesus himself, Lazarus, and the tale of Samuel, Saul, and the "Witch of Endor". Several elements of those stories match up so closely that they make a powerful argument for the reality of the stories, since the authors were widely separated by time and space and had no opportunity to get together in a room and try to match those stories up artificially:

- Each of the instances was seen by enough witnesses that the story cannot simply be written off.
- In no case is it possible to believe that anybody ever came back in a real dead body. If you want dead bodies walking around, the religion you want is Voodoo.
- Nonetheless the experience of witnesses was indistinguishable from what you might expect if the person had in fact come back in a human body, down the detail of nail holes in the case of Christ himself, as per the witness of Thomas.
- All of these events were temporary, lasting a few days or a few weeks. Nobody ever stuck around for another ten years after coming back from the dead.

Again, the interesting thing is that those stories are widely separated in time and place so that there is no way to think that the authors ever got together in a room to try to get their details to match up. That argues against thinking the stories to be fanciful. In the case of Christ, you have the disciples to the man going to their deaths rather than deny having witnessed the



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resurrection. One person going to his death for a cause he knew to be false may or may not be believable, but all of them?

Bob Hope on vacation in the Caribbean, asks a local doctor about zombies:

<https://www.youtube.com/watch?v=7XjCory-9y8>

There may also be a tendency to believe that these events were known to have been seen by only a small group of people and, in the cases of Lazarus and Samuel, that would be correct; not so in the case of Christ. As Lon Solomon of the McLean Bible Church (Virginia) has noted, professional football didn't exist 2000 years ago. You had a case of a notable religious leader *ANNOUNCING* that he was going to allow Romans to kill him in their usual gruesome fashion and that, after three days, he would return. You have to assume that people were taking down bets and that bookies were talking about little else.

So that, 2000 years ago even as now, the idea of somebody coming back from the dead in an unambiguous fashion would have been pretty much the biggest deal which anybody had ever heard of.

## Ancient Egypt

What about 2000 years prior to that?

The impression I get, rummaging through Dr. E. A. Wallis Budge's books about the old Kingdom of Egypt is that the way in which they viewed death was substantially different from the way we view it. They believed that a person's "ka" was created along with the physical person and that this ka lived on after the person died. Ka involved the same ambiguity as to whether it had physical attributes or physical needs, that we read in the Bible stories about resurrection. They viewed dying more or less the way we view somebody moving from New York to Boston or from Washington DC to Baltimore; it didn't mean that you would never see the person again, it merely meant you wouldn't see them as often.

It wasn't even necessary to wait until a person died to observe this divergence of a physical person and that person's ka; a boss or supervisor for instance could be in his office doing up paperwork of some sort while his ka was out in the field supervising laborers.

Nonetheless, by the time of Christ, many centuries had passed without anybody ever seeing anything like that and people were beginning to become atheists and evolutionites.

That is the basic bottom line about what Jesus actually did; he told the whole world as much as

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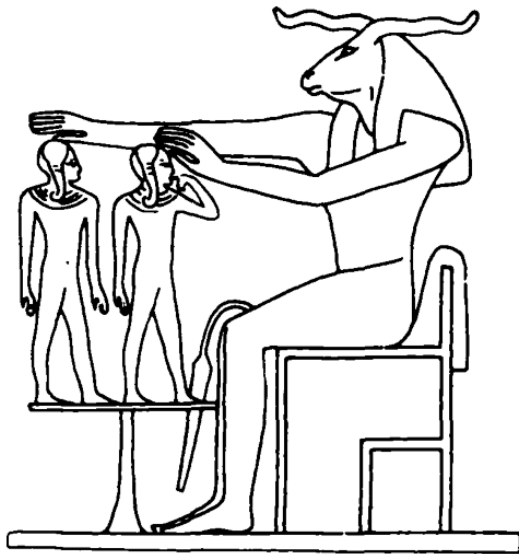
“Hey, I’m going to DEMONSTRATE to you people that death is not final and the most concrete manner that anybody could possibly imagine, I’m going to allow those Romans to kill me and, after three days, I will return.

There has never been a realistic excuse for being an atheist or an evolutionite since then.

I would assume that all of the stories of resurrection in the Bible involve what Julian Jaynes called bicameral phenomena, as would also have the miracles which Jesus performed, People experiencing or witnessing these things had simply taken one or two steps into some sort of a larger reality. Sort of like opening a book on functions of a complex variable for the first time.

### The Notion of Ka

Egyptians of the old kingdom believed that when the god Khnum created a person on his potter’s wheel, he created the person and the person’s ka at the same time. Julian Jaynes observed that Ka was a voice phenomenon; notice the Ka’s in the images pointing towards their mouths:





[http://www.bearfabrique.org/Misc/Information\\_Flow.pdf](http://www.bearfabrique.org/Misc/Information_Flow.pdf)

Consider then what Dr. Budge has to say about the concept of ka as “double”<sup>2</sup>:

*In the interval which elapsed between the period of the prehistoric burials and the IVth dynasty, the Egyptian formulated certain theories about the component parts of his own body, and we must consider these briefly before we can describe the form in which the dead were believed to rise. The physical body of a man was called KHAT, a word which indicates something in which decay is inherent; it was this which was buried in the tomb after mummification, and its preservation from destruction of every kind was the object of all amulets, magical ceremonies, prayers, and formulae, from the earliest to the latest times. The god Osiris even possessed such a body, and its various members were preserved as relics in several shrines in Egypt. Attached to the body in some remarkable way was the KA, or "double," of a man; it may be defined as an abstract individuality or personality which was endowed with all his characteristic attributes, and it possessed an absolutely independent existence. It was free to move from place to place upon earth at will, and it could enter heaven and hold converse with the gods. The offerings made in, the tombs at all periods were intended for the nourishment of the KA, and it was supposed to be able to eat and drink and to enjoy the odour of incense. In the earliest times a certain portion of the tomb was set apart for the use of the KA, and the religious organization of the period ordered that a class of priests should perform ceremonies and recite prayers at stated seasons for the benefit of the KA in the KA chapel; these men were known as "KA priests." In the period when the pyramids were built it was firmly believed that the deceased, in some form, was able to be purified, and to sit down and to*

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<sup>2</sup> Budge, E.A.Wallis (2012-05-12). Egyptian Ideas of the Future Life (p. 78). . Kindle Edition.

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*eat bread with it "unceasingly and for ever;" and the KA who was not supplied with a sufficiency of food in the shape of offerings of bread, cakes, flowers, fruit, wine, ale, and the like, was in serious danger of starvation.*

Similarly, John chapter 12 notes that:

*1 Then Jesus six days before the passover came to Bethany, where Lazarus was which had been dead, whom he raised from the dead.*

*2 There they made him a supper; and Martha served: but Lazarus was one of them that sat at the table with him.*

A modern person would expect Lazarus to have said something like:

*"Hey, you know, I'm really just a ghost and ghosts don't eat food, you people go on and eat..."*

But the story, strangely enough, doesn't read that way. You assume Lazarus ate dinner with the others or, at least for all intents and purposes, appeared to do so.

### Fermi Again:

**For the purpose of the Fermi Paradox, it may be that interstellar travel is rare or non-existent and that the only thing you'd ever really want from another star system was INFORMATION, and this notion of Ka might suffice for that.**

## Actual interstellar travel

(The other possible answer)

<https://www.youtube.com/watch?v=Pbn6a0AFfnM>



Joni Mitchell and Richard Hall (Looking at conspiracy theories from both sides now):

The Mars images can't be real:

[https://www.youtube.com/watch?v=XxKj\\_M6q4N8](https://www.youtube.com/watch?v=XxKj_M6q4N8)

But we have a secret fleet of interstellar vehicles using electrogravitic technology”

<https://www.youtube.com/watch?v=zxElyHIGIOI>

**The Case for the TR-3B...**

NASA/MSL images positively show US government workers on Mars:

Shadow of technician servicing MSL rover:



Woman investigating head of a statue on ground:



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This creates an immediate conundrum. NASA/MSL images DO show US government workers on Mars (along with indigenous humans and small animals) but it is highly unlikely that astronauts would survive any sort of a year-long trip to Mars via anything powered by rocket engines; something substantially better than that would be required.

### Interesting discussion:

<http://www.abovetopsecret.com/forum/thread965970/pg1>

Ben Rich was a key person at the Lockheed "Skunk Works" and the man responsible for the F117 stealth fighter; he is sometimes called the "father of stealth".

The question involves a quote which you read, purportedly from Rich:

"Ben Rich, stated during a 1993, Alumni Speech at UCLA"

*"We already have the means to travel among the stars, but these technologies are locked up in black projects and it would take an Act of God to ever get them out to benefit humanity...Anything you can imagine, we already know how to do."*

One reply to the question as to a source for that quote was exceedingly interesting:

It sounds like Jan Harzan is the source of these quotes.

This was posted on a forum in 2006 -

Josh,

I will answer for him as I have that data. Jan Harzan is the Director of MUFON O.C. and it is he who heard the statements.

Well, it just so happens that Jan was the source of the rumor that Ben Rich made statements in a presentation he gave to the group of engineers which happened to be members of a UCLA Alumni association who were invited to hear this presentation by Ben Rich on March 23, 1993.

The late Ben R. Rich, a UCLA School of Engineering alumnus (MS '50) who is known as the "Father of Stealth," is recognized as one of the best aircraft engineers in the world and led development of the heralded F-117 stealth fighter.

Knowing Jan, I called him to clarify what Ben said at this presentation to UCLA engineering alumni. I work at UCLA and am only steps away from the engineering building.

Here is what Jan, a Senior Project Executive with Boeing told me about Ben's presentation:

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- Ben showed slides and went through the history of the Skunk Works. Showed pics of U2 and SR-71 and drones that no one had seen before.
- The kicker was the last slide. It showed a black disk headed for space. Ben showed this and made the statement, "*We now have the technology to take ET home*". He made this statement in 1993, but did not say how long we have had this tech.

There was a Q&A after the lecture. In this Q&A, he told the engineers that it was now possible to travel to the stars. There was an error in the equations which was corrected. The time of travel is fast, but he didn't say how fast.

Ben said he believed that security was too oppressive and that *the time had come to develop this technology in the commercial world now that the cold war has ended*. Months later he died of cancer.

Jan is going to consult with his friend Tom who was also present and do an article on this in a future MUFON Journal.

- Bill Hamilton

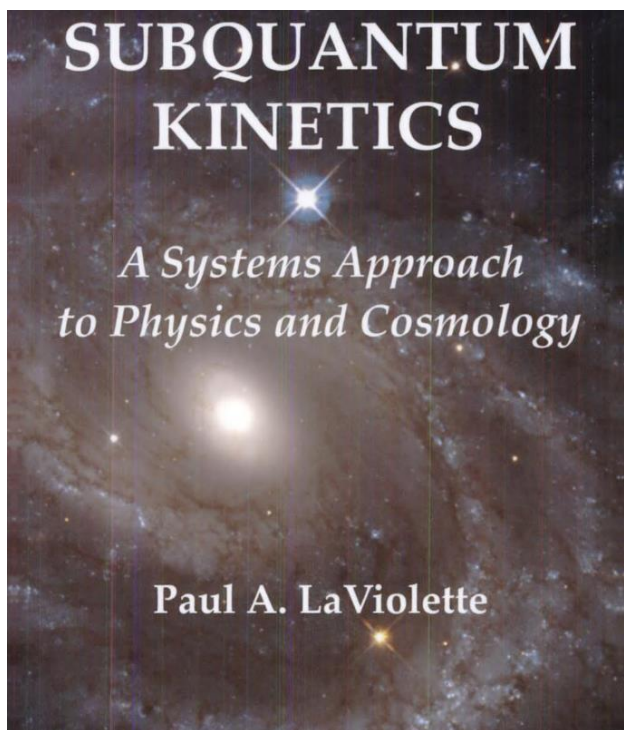
The quote from Ben Rich is part of a big picture view which seems to be coming into focus. Other parts of that picture would include Paul LaViolette's discussions of Biefeld/Brown propulsion and the various discussions you see around the net regarding the TR-3B. It begins to appear that the US government has had technology vastly better than rocket propulsion for some time now.

### **Biefeld/Brown Propulsion**

Dr. Paul LaViolette describes the situation.

<http://etheric.com/subquantum-kinetics-3rd-edition/>





Corporate interest as of 1955:

### 11.3 Corporate Interest

In December of 1955 *Aviation Report* noted that corporate interest in antigravity research was widening:<sup>(12)</sup>

#### ELECTRO-GRAVITICS EFFORT WIDENING

Companies studying the implications of gravitics are said in a new statement, to include Glenn Martin, Convair, Sperry-Rand, Sikorsky, Bell, Lear Inc. and Clark Electronics. Other companies who have previously evinced interest include Lockheed, Douglas and Hiller. The remainder are not disinterested, but have not given public support to the new science – which is widening all the time. The approach in the U.S. is in a sense more ambitious than might have been expected.

*Aviation Report*, December 9, 1955

Interest in this new field apparently spread quite rapidly, because report GRG 013/56, published two months later, noted that most major aviation companies in the United States were interested in electrogravitics:<sup>(13)</sup>

Groups are being organised to study electrostatic and electromagnetic phenomena. Most of the industry's leaders have made some reference to it. Douglas has now stated that it has counterbary on its work agenda but does not expect results yet awhile. Hiller has referred to new forms of flying platform, Glenn Martin say gravity control could be achieved in six years, but they add that it would entail a Manhattan District type of effort to bring it about. Sikorsky, one of the pioneers, more or less agrees with the Douglas verdict and says that gravity is tangible and formidable, but there must be a physical carrier for this immense trans-spatial force. This implies that where a physical manifestation exists, a physical device can be developed for creating a similar force moving in the opposite direction to cancel it. Clarke Electronics state they have a rig, and add that in their view the source of gravity's force will be

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Lecture in three parts describing electrogravitics and Biefeld/Brown propulsion:

<https://www.youtube.com/watch?v=eBhsz3iXgGk>

<https://www.youtube.com/watch?v=ZolhwdRtumE>

<https://www.youtube.com/watch?v=8wGXWpqQOuw>

LaViolette speaks of the current state of B/B propulsion and the question as to whether present technology would suffice for travel within our own system around minute 1:40 of part 2 of this three part video.

Dr. LaViolette uses the term UFO as a catchall to include secret/black government projects as well as any “alien” projects/operations, if any such exist.

### **The TR-3B**

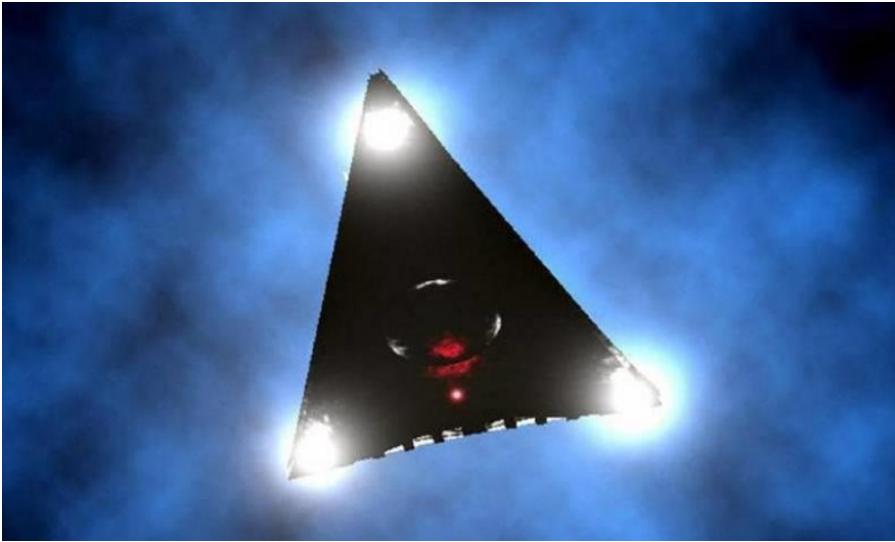
When a government agency like NASA keeps big secrets from the public, it invites conspiracy theories, but if the TR-3B is a conspiracy theory, it's a pretty big one:

<https://www.google.com/search?client=opera&q=tr-3b&sourceid=opera&ie=UTF-8&oe=UTF-8>

Numerous eye witness accounts describe this thing as being exceptionally large and as being capable of maneuvers which would kill any humans inside it under normal conditions. At least one expert analysis amounts to a claim that the TR-3B does not involve normal physics. The claim is that gravity is being reduced by just over 90%:

<https://www.youtube.com/watch?v=zxEIyHIGIOI>

**Artists conceptions of TR-3B are taken from eye witness accounts...**



Again, when a government agency like NASA keeps big secrets from the public, it invites conspiracy theories and, in this case, all that we have is a choice between two flavors of conspiracy theories:

1. We can believe that all of the MSL images which NASA has published so far are totally fake, taken from some secret place on Earth, and that the whole idea of a NASA probe rolling around on Mars is fiction along with the images which clearly show humans and small animals, or
2. We can believe that the US government has some vastly better way of getting astronauts to and from Mars (again they would not survive a year-long trip via anything powered by rocket engines) than we have been led to believe.

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### Distance and time:

From the descriptions, particularly that of Ben Rich, you would assume that the TR-3B is an interstellar vehicle, unencumbered by any of Albert Einstein's ideas about time or space being deformable. Distance for a falling object or something experiencing a 1g acceleration from a start point is just the area under a time/velocity graph, i.e. from Wikipedia:

### Equations [\[ edit \]](#)

Distance $d$ (in meters) travelled by an object falling for time $t$ (in seconds):	$d = \frac{1}{2}gt^2$
Time $t$ taken for an object to fall distance $d$ :	$t = \sqrt{\frac{2d}{g}}$
Instantaneous velocity $v_i$ of a falling object after elapsed time $t$ :	$v_i = gt$

Where  $g$  = more or less 9.9 m/second-squared

1 LY = more or less  $9.45 \times 10^{15}$  meters

Proxima Centauri is roughly 4.24 LY from Earth.

If you ignore the .25 LY, the math says it would take about 450 days to get there. If you increase the constant acceleration to 20g, you'd be looking at 100 days more or less.