

THE APOLLO-11 MISSION MYTHS AND MYTHTAKES [DELUSIONAL VERSUS REAL SPACEFLIGHT EVENTS]



JAMES OBERG

JULY 23, 2019

SPACE CENTER HOUSTON

APOLLO-11 FIFTIETH
ANNIVERSARY

WWW.JAMESOBERG.COM

jamesoberg@comcast.net

revised October 17, 2019



Moon landing: NASA deleted evidence of aliens in Apollo 11 mission - shock claim

NASA deleted evidence of aliens from the 1969 Moon landing, and astronauts Buzz Aldrin and Neil Armstrong knew of the extraterrestrials activity, according to conspiracy theorists.

By SEAN MARTIN

PUBLISHED: 11:09, Wed, Jul 10, 2019 | UPDATED: 11:21, Wed, Jul 10, 2019

<https://www.express.co.uk/news/weird/1151528/moon-landing-apollo-11-mission-aliens-ufo-buzz-aldrin-neil-armstrong-nasa>

“As NASA marks 50 years since the first people stepped foot on the Moon on July 20, 1969, some are claiming there is more than meets the eye. Conspiracy theorists first began claiming that NASA knew of aliens on the Moon when the space agency supposedly deleted 40 rolls of film from the Apollo 11 mission. The claim has credit as it was made by Bob Dean, a United States Army Command Sergeant Major,”

MANY VARIATIONS IN POPULAR CULTURE

- SOME PRIMARILY 'CULTISH' – PURELY 'FAITH-BASED' DELUSIONS
 - ALL FAKED IN A STUDIO ['KUBRICK']
 - PHYSICALLY IMPOSSIBLE TO GO
 - SECRET TECHNOLOGIES STILL IN OPERATION
- MORE INTERESTING IDEAS BASED ON MISUNDERSTANDINGS
 - WEIRD STUFF SEEN OUTSIDE
 - STRANGE STUFF SEEN IN PHOTOS
 - CREW COMMENTS SUGGESTING OTHER VEHICLES
- TEACHABLE MOMENTS IN REAL SPACEFLIGHT
 - SOURCES OF NEARBY OBJECTS
 - MOTION OF NEARBY OBJECTS
 - MISIDENTIFIED PHOTOS/VIDEOS
 - CREW COMMUNICATION PROTOCOLS



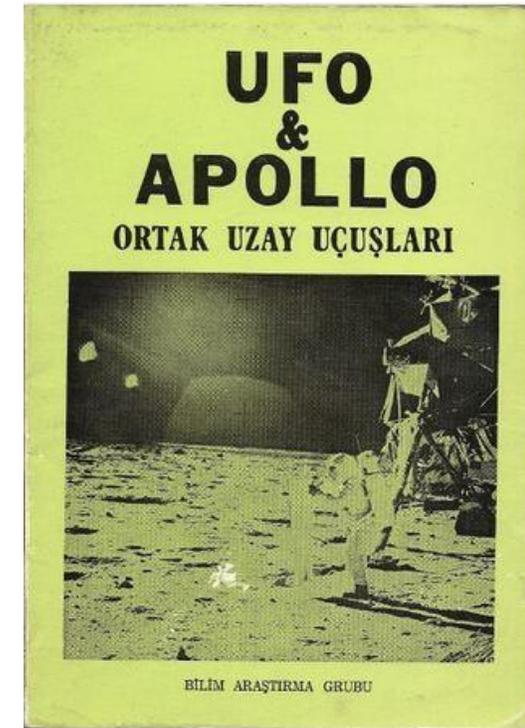
Outbound to the Moon – with a UFO?

The story of a UFO following Apollo-11 to the moon is a widespread cultural meme, but is actually representative of a bigger type of lunar spaceflight event that seems to have also occurred during the outbound legs of other Apollo missions.

The myth provides an opening to digging into a fascinating but little-known aspect of real space flight.

Here's how widespread the story has become on the Internet

- Neil Armstrong moon ufo -- “About **20,500** results”
- Aldrin moon UFO – “About **15,400** results”
- Apollo-11 UFO – “About **190,000** results”
- Google “Apollo-11 UFO ” = “796,000 results”



“Apollo-11 was followed to the moon”

YouTube

apollo-11 ufo

Filters



Astronaut Buzz Aldrin Recounts Apollo 11 UFO Encount

by iwanttobelievexfiles • 8 years ago • 2,915,489 views

Buzz Aldrin talks about the 'UFO' which the Apollo 11 crew saw on the moon.



Apollo 11 - UFOs Filmed in Cis-Lunar Space - 16mm DAC footage (stabilized/enhanced)

by LunaCognita • 2 years ago

Hi everyone. In this pre segment of anomalous

HD



Buzz Aldrin explains

by pateli2008 • 5 years ago



The Telegraph

Home Video News World Sport Business Money Comment Culture Travel Life Women Fashion Luxury Tech Film

USA Asia China Europe Middle East Australasia Africa South America Central Asia KCL Big Question Expat Honduras

Search - enhanced by Google

Saturday 13 July 2019

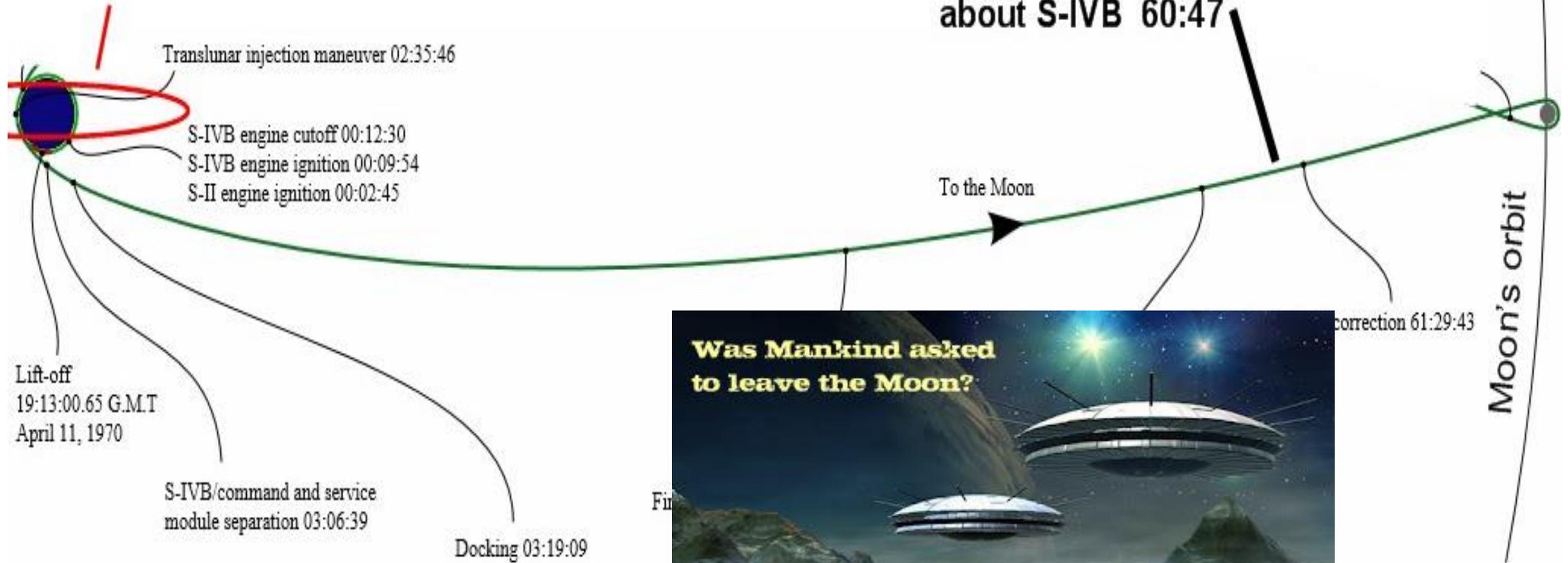
HOME » NEWS » WORLD NEWS » NORTH AMERICA » USA

Buzz Aldrin 'saw UFO' during 1969 Apollo 11 flight

Second man to walk on moon convinced life exists elsewhere in space but denies his sighting was extraterrestrial

Where exactly did it happen?

Geosynchronous satellite arc



Crew calls Houston about S-IVB 60:47

To the Moon

Moon's orbit

correction 61:29:43

Lift-off
19:13:00.65 G.M.T
April 11, 1970

S-IVB/command and service
module separation 03:06:39

Docking 03:19:09

Translunar injection maneuver 02:35:46

S-IVB engine cutoff 00:12:30

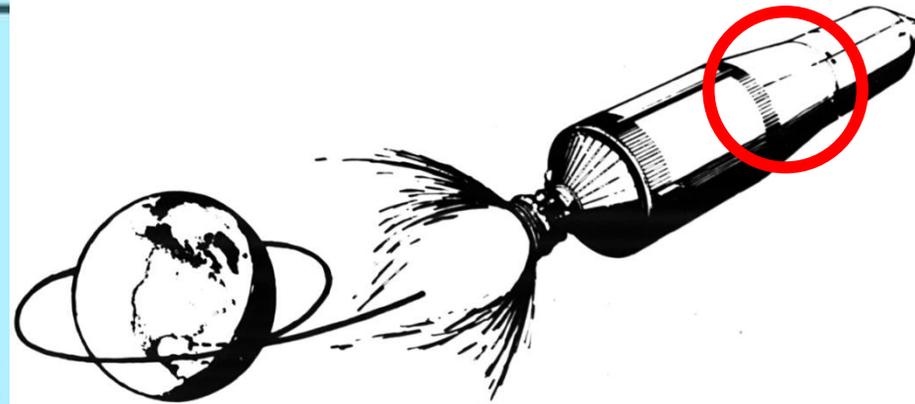
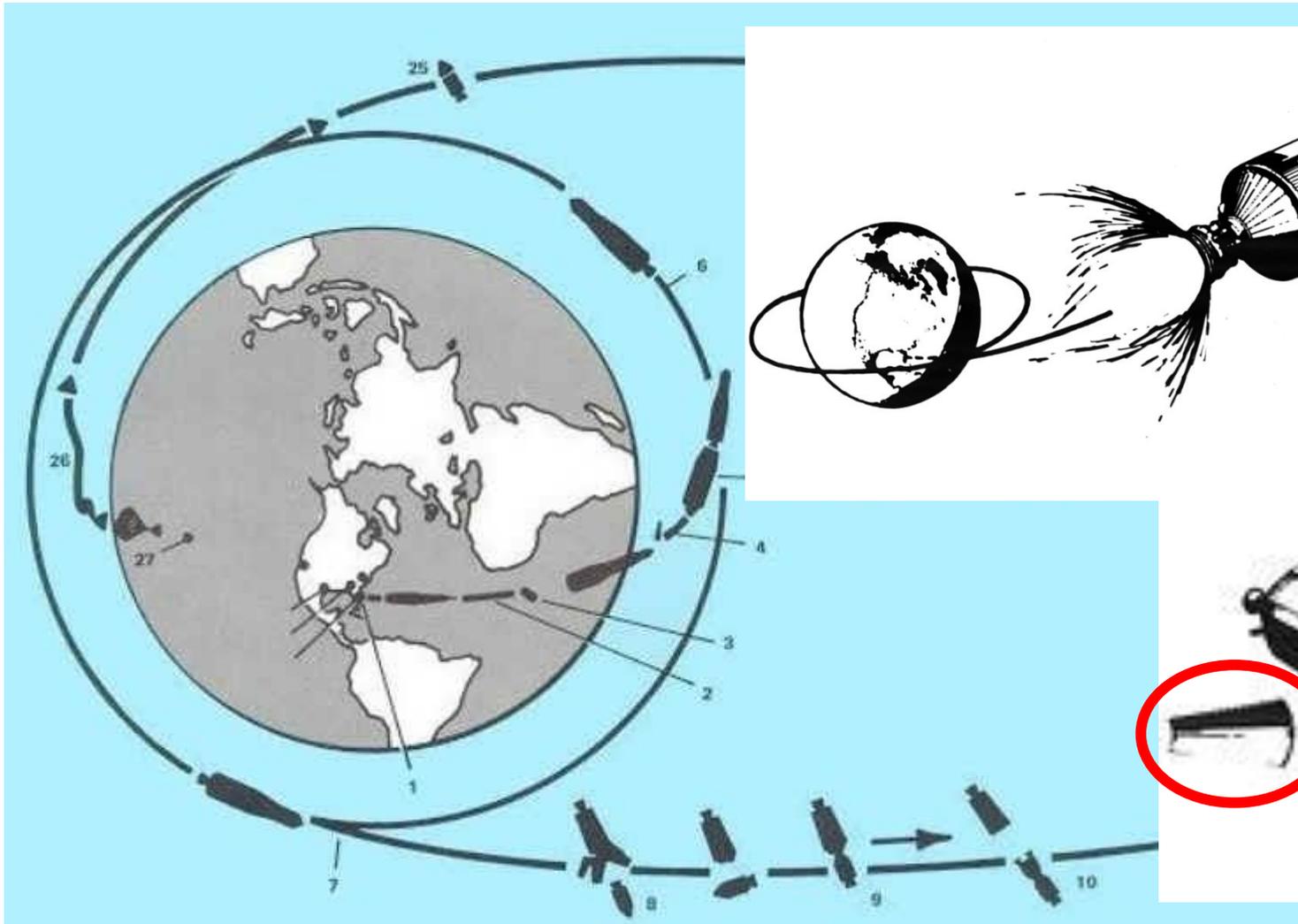
S-IVB engine ignition 00:09:54

S-II engine ignition 00:02:45

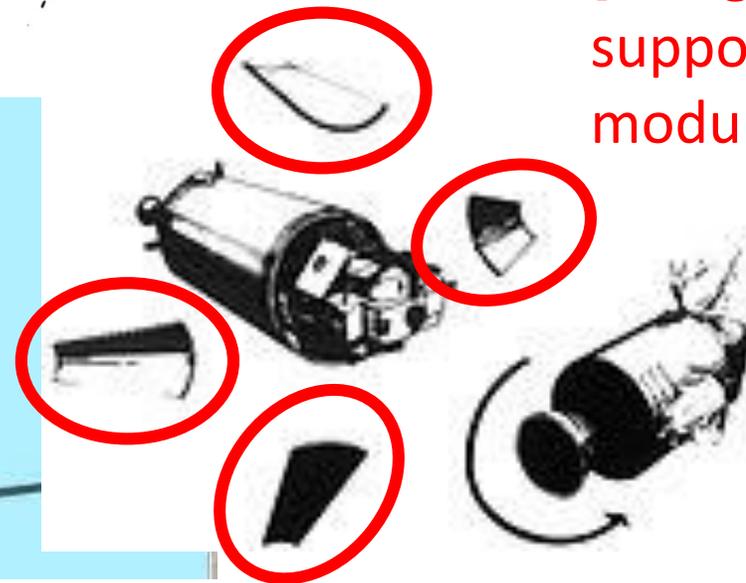
Was Mankind asked
to leave the Moon?



Fin



SPACECRAFT LUNAR ADAPTER PANELS ['SLA panels] that enclosed the LM ['LM garage'] and supported the crew module [CSM]



Detail – S4B thrusting, then separation, 'transposition', docking to LM, extraction from launch shroud

Aldrin interview much later

- <http://mysteriousuniverse.org/2014/07/its-all-the-buzz-the-real-story-behind-buzz-aldrins-ufo/>

On Apollo 11 in route to the Moon, **I observed a light out the window that appeared to be moving alongside us.**

There were **many explanations** of what that could be, other than another spacecraft from another country or another world – it was either the rocket we had separated from, or the four panels that moved away when we extracted the lander from the rocket and we were nose to nose with the two spacecraft.

So in the close vicinity, moving away, were four panels. And i feel absolutely convinced that we were looking at the sun reflected off of one of these panels.

Which one? I don't know. **So technically, the definition could be "unidentified."**

Unearthly features of spaceflight makes stuff 'look weird' and behave weirder in space

- Objects drift along together from own momentum, not powered flight
- Drift apart very slowly
- Tumbling objects maintain spin rate
- Nearby small objects can be disturbed by thruster plumes [which fan out very widely]
- Sunlit windows tended to 'glare out', so the best dark sky views were on the 'down sun' face of vehicle
- Normal Earthside range/scale cues are totally garbled

ON EARTH, OBJECTS THAT ARE OBSERVED FLYING TOGETHER ARE EACH INDIVIDUALLY PROPELLED

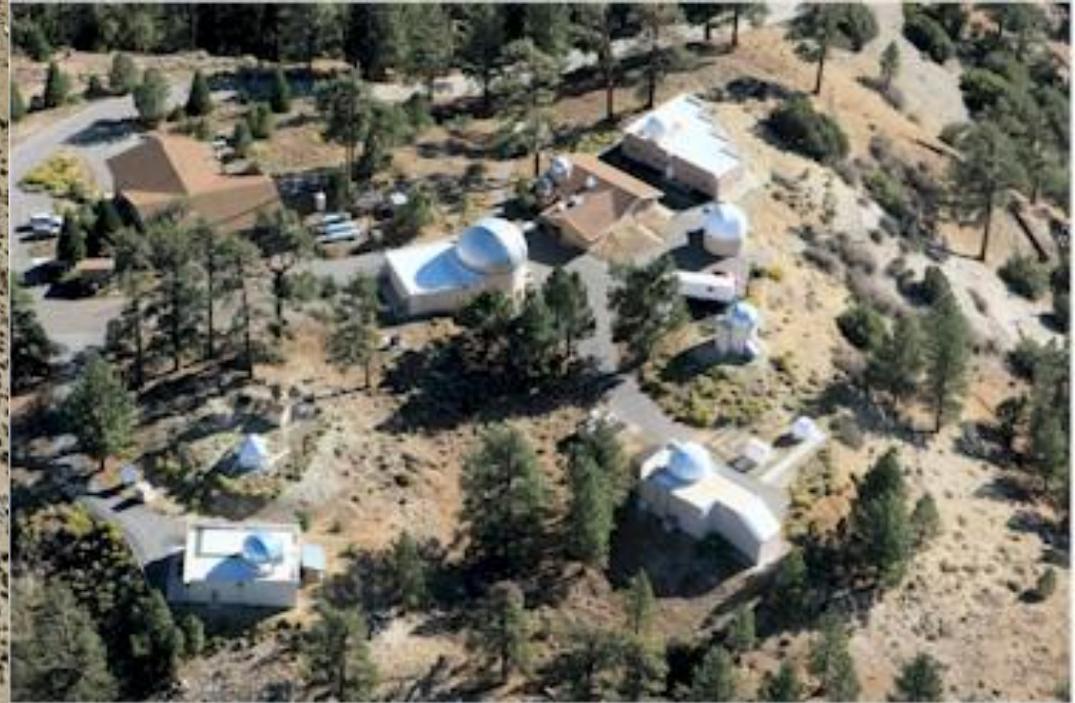


Earthside experience indicates something tagging along with spaceship is self-powered and intentionally guided

Actually, the adapter panels ['SLA panels'] flashing near the Apollo were regularly observed from Earth

- Apollo-8
- [no reports from Apollo-10]
- Apollo-11
- Apollo-12 [crew joked about flashers]
- Apollo-13 [tank explosion telescopically viewed in real time]
- Apollo-14 [Roosa eyeballed range to booster with uncanny accuracy]
- Apollo-17 [became meme in recent rock band album]

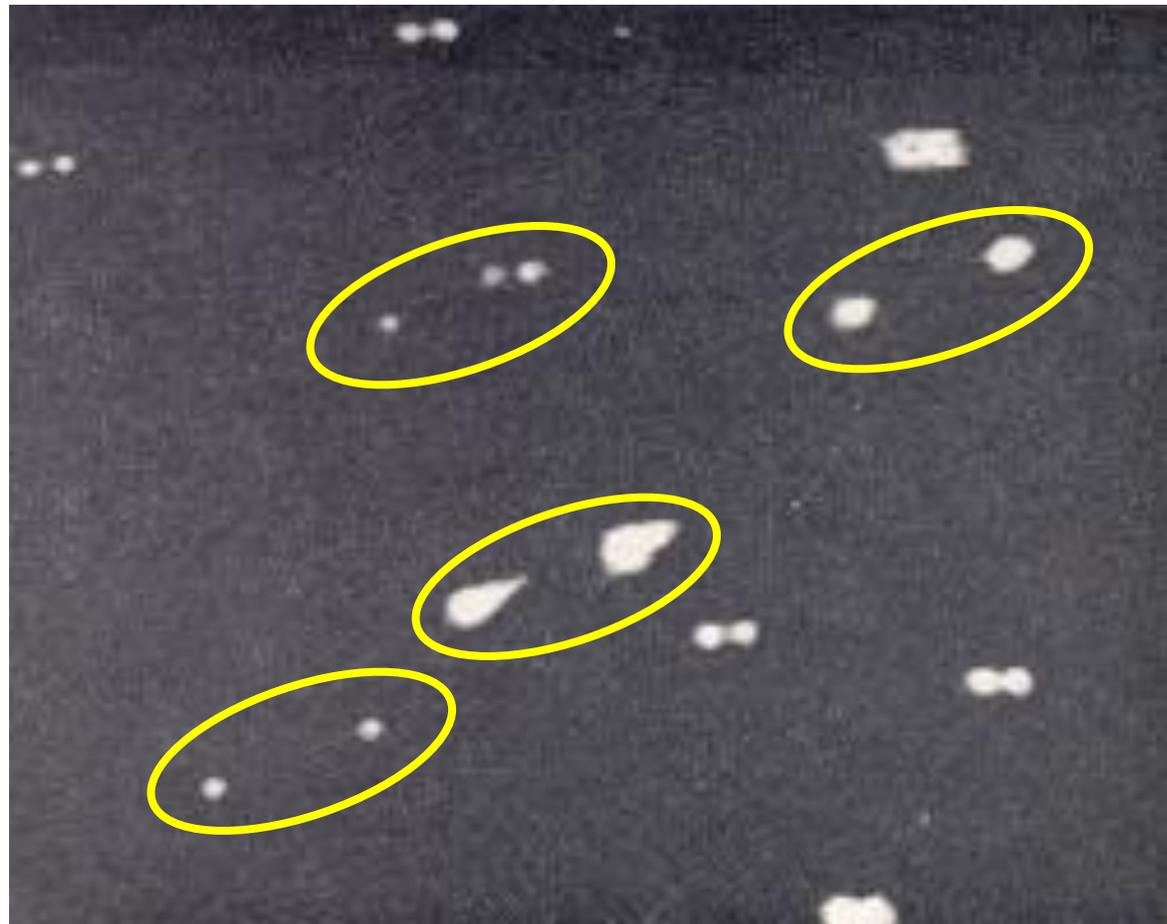
Back on Earth, eyes
were watching



- Corralitos Observatory [[Las Cruces, New Mexico.](#)]
- Table Mountain Observatory [JPL], California

Apollo-8 and SLA panels [Dec 1968]

(Images used by permission of Elaine Halbedel, current director of Corralitos Observatory)



Several Apollo objects are revealed by their motion in this composite photograph with the Corralitos 24-inch reflector. Taken Dec 22nd at 3:01:50 UT and 2.5 minutes later, the two negatives were superimposed and displaced horizontally. **Stars appear as horizontal pairs, but spacecraft components are shifted diagonally.** The brightest images (integration time one second) are of two objects that were not quite resolved.“

Apollo-14 and SLA panels observed [Jan 1971]



This image of Apollo 14 during a water dump (including SLA panels) is provided in an archival image courtesy of current director Elaine Halbedel, from the Corralitos Observatory files. This was done with a TV system on the 24-inch reflector. The motion of the objects brings out not only the spacecraft and S-IVB booster stage, but the four flashing SLA panels.



Apollo-13

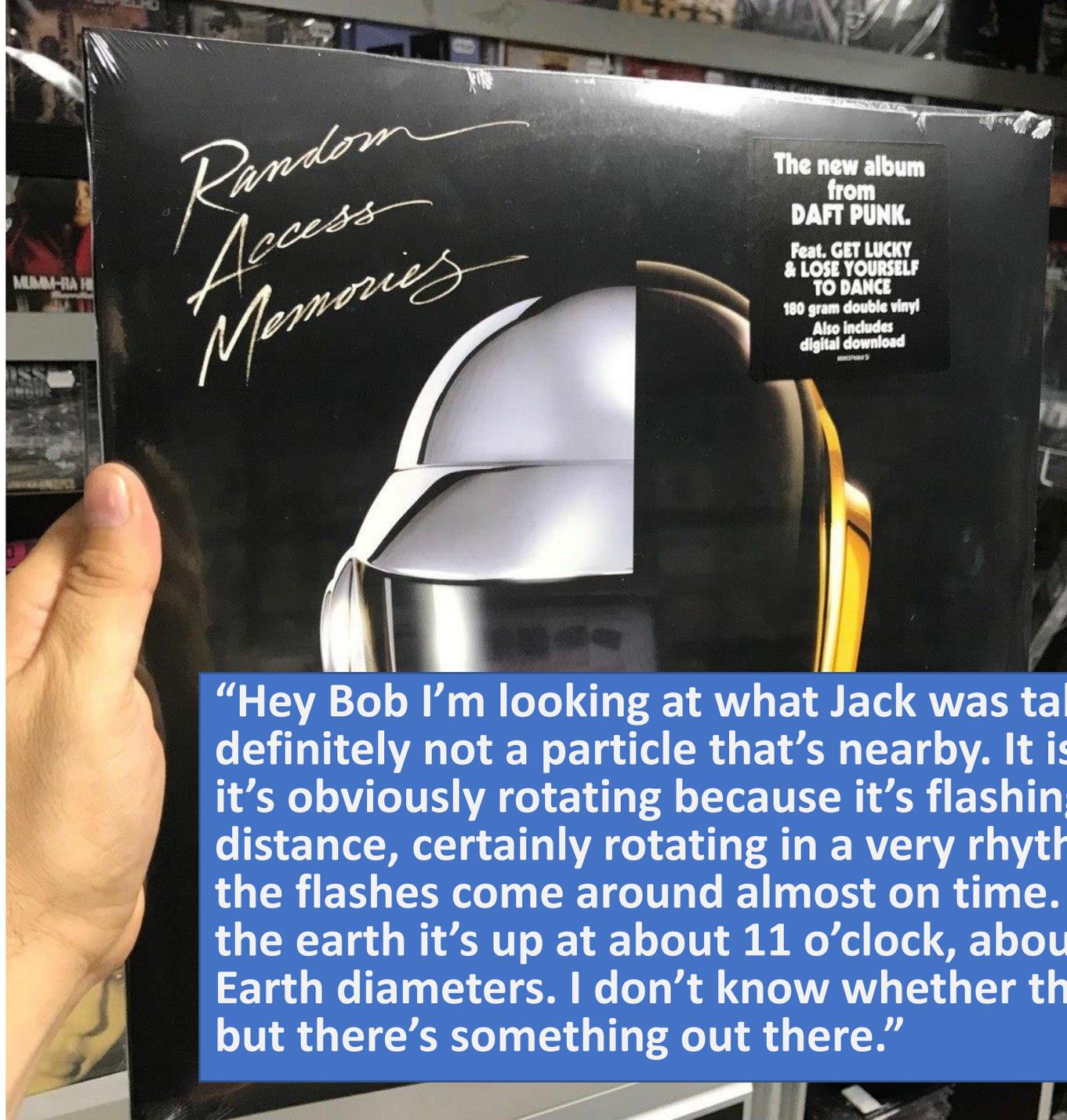
-

Table Mountain Observatory

Estimate of the field size is 432x540 arcseconds. Distance from Earth was 50,000 nm [92 000 km] , so if 200 arcsec apart, trigonometry gives about 90 km [55 miles] at perpendicular aspect angle

Jim Young also presents this photograph of Apollo 13 from Table Mountain, from 0523-0528 UT on April 12, 1970 (two days before the explosion). The spacecraft itself shone steadily at magnitude 13, while the SLA panels occasionally flashed as bright as magnitude 9 (too seldom to show up very brightly in this long-exposure image). <http://www.w7ftt.net/apollo13.html>

DAFT
PUNK!!!



“Hey Bob I’m looking at what Jack was talking about and it’s definitely not a particle that’s nearby. It is a bright object and it’s obviously rotating because it’s flashing, it’s way out in the distance, certainly rotating in a very rhythmic fashion because the flashes come around almost on time. As we look back at the earth it’s up at about 11 o’clock, about maybe ten or twelve Earth diameters. I don’t know whether that does you any good, but there’s something out there.”

Apollo-17 discusses their UFO sighting....

- **071:36:16 Cernan:** Hey, Bob. **We got two of those flashers out there. They could be SLA panels. I don't know.** They're alike in intensity and pretty regular in the - in the intensity, bright and dim flashes they come out with, and they're widely separated. One is about the position we called at the first time; the other one is - oh, as I'm looking at the Earth, far to the left. Closer to the center window now....
- **071:46:36** - This is Apollo Control at 71 hours, 46 minutes. Weather reporter, Schmitt, is 188,524 nautical miles [349,146 km] from Earth and the spacecraft from which he is observing is traveling at a speed of 2,392 feet per second [729 m/s].

TECHNICAL REPORT

MOON PIGEONS AND OTHER
UNIDENTIFIED VISUAL PHENOMENA
ASSOCIATED WITH SPACE FLIGHT

18 MARCH 1970

PREPARED FOR
MAPPING SCIENCES LABORATORY
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

MOON PIGEONS AND OTHER UNIDENTIFIED VISUAL PHENOMENA ASSOCIATED WITH SPACE FLIGHT

This report presents the results of image analysis of an unidentified object seen by millions of viewers during an Apollo 12 television transmission. Visual phenomena associated with space flights have been observed previously...

"Moon Pigeon" is a term coined by MSC structural engineers to describe unexpected objects seen in operational photography that defy positive identification. .

LEC/HASD No. 671-80-013

PROJECT APOLLO

NASA CONTRACT NAS 9-5191

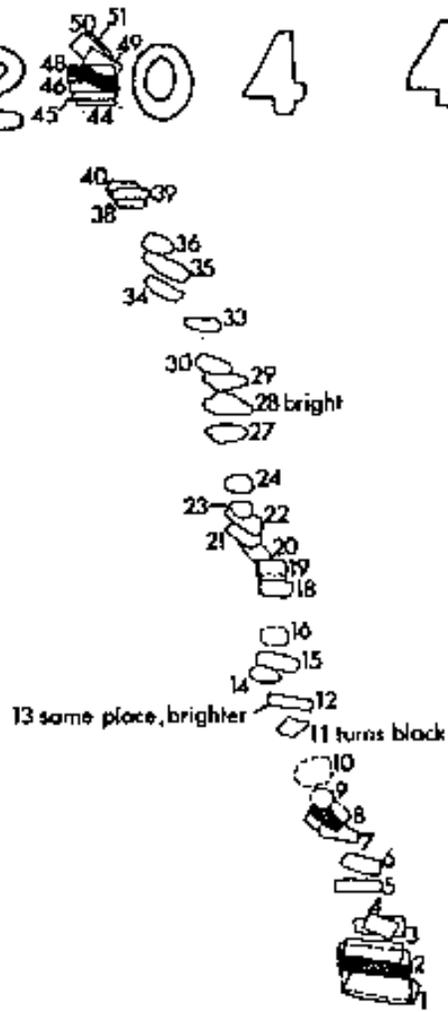
Prepared By F. D. Beatty
J. G. Baron

Approved By 
LEC Supervisor
Analysis Section

Approved By 
LEC Manager, Map.
Sciences Departm

Preliminary interpretations have tentatively "identified" this visual event as **spacecraft debris associated with an earlier pyrotechnical operation, or ice, or window reflections.** Cases for each of these theories have been presented and exhibits of similar occurrences are included. **Positive identification was not possible....** It became increasingly apparent as the investigation proceeded that **unidentified visual phenomena associated with space flight were rather common operationally,** but that little or no documentation of past events had been made.

3 2 2 0 4 4 6 1 9



“Throughout the television sequence, the object can best be described as unsharp or "out-of-focus", fluctuating in brightness and in size, and even disappearing for brief intervals.... This diagram was made by tracing the image of the object frame by frame as it advanced, using a stop-motion projector. Analysis of this sketch reveals that the object is largest when first seen. It is only half-size when it disappears from view along the eastern edge of the viewing format.”

MOON PIGEONS REPORT -- CONCLUSIONS

“In general, **it takes much more information to identify an object than it does to detect it.** Resolution of a system is a rough measure of its ability to record detail. As was noted, there is **insufficient detail in the images of the object as it was recorded by the system to permit a positive identification.** There are just too many operational system unknowns in this problem **to arrive at a definitive answer...** “

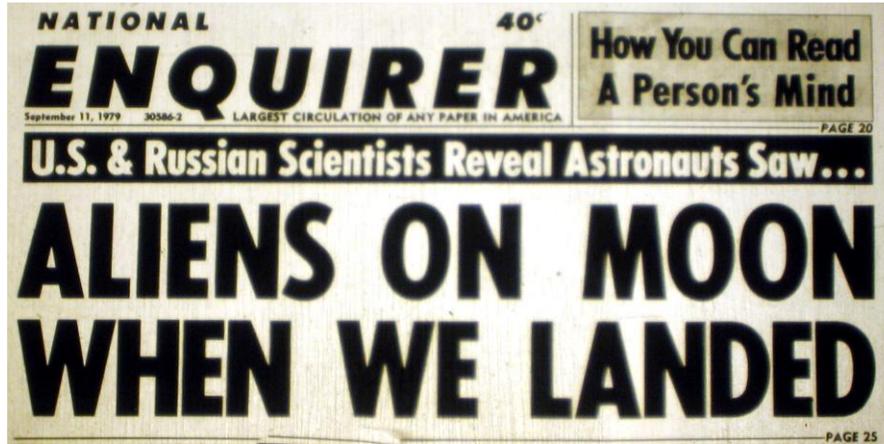
NASA reply to UFO inquiries

Letter to Donald Ratsch from Dale Myers (Associate Administrator for Manned Space Flight), dated Feb. 5, 1973

"During all of our Apollo lunar missions, objects have been sighted by the various crews. Subsequent to the crew sightings, the flight controllers determined the observations were probably either the SIVB booster, the spacecraft lunar adapter (SLA) panels, or smaller objects such as mylar foil particles. Because of their large size and highly reflective surfaces, the SIVB and SLA panels should be visible at great distances in the space environment."



Moon-Misbegotten Myth – The origin of the main ‘aliens on the moon’ story



"Above Top Secret" by Timothy Good --
According to hitherto unconfirmed reports, both Neil Armstrong and Edwin "Buzz" Aldrin saw UFOs shortly after that historic landing on the Moon in Apollo 11 on 21 July 1969. I remember hearing one of the astronauts refer to a "light" in or on a crater during the television transmission, followed by a request from mission control for further information. Nothing more was heard.





Tompkins Drawing of NASA Live Feed of Starships on Edge of Sea of Tranquility Crater Menacing Apollo 11 Astronauts
Source: William Tompkins, Selected by Extraterrestrials, p. 417

As the original story spread and greatly 'improved', more and more people stepped forward with claims they had heard even more spectacular versions



<http://t.co/imzS7KCrT2>

Dr. Steven Greer:

Well it happened. Close friends and very close family members of both Neil Armstrong and Buzz Aldrin have separately told me that indeed there were numerous, large UFOs around the crater where the Lunar Module landed and that these were seen by both Armstrong and Aldrin. I have also spoken to military officers that have seen the footage of this event- but it has never been made public.

“THERE WERE NUMEROUS, LARGE UFOS AROUND THE CRATER WHERE THE LUNAR MODULE LANDED....”

THE OLD ‘MOON RACE’ SEEMED TO BE REPLACED BY THE BIZARRE ‘LOONEY RACE’

...their ships were far superior to ours, both in size and technology - Boy, were they big!...and menacing! No, there is no question of a space station...

Neil Armstrong



***BIGGEST 'SECRET' STORY:
MOONWALKING CREW
REPORTS SEEING UFOS
PARKED ON CRATER RIM***

National Bulletin tabloid [September 29, 1969] "Phony Transmission Failure Hides Apollo 11 Discovery. . . Moon is a U.F.O. Base!" by Sam Pepper

Armstrong: "I'm telling you, there are other spacecraft out there. They're lined up in ranks on the far side of the crater edge...."

Charles Berlitz, *THE ROSWELL INCIDENT*, 1980: "When Apollo 11 landed inside a moon crater two unidentified spacecrafts **appeared on the crater rim** and then took off again. "

Ken Johnston, "Alien Bases on the Moon" [Science Channel, 2014] "*There have been a lot of rumors about what actually took place during the lunar mission. while Neil and Buzz were on the lunar surface. ...Neil ...says , 'They're here, they're parked around the rim of the crater and they're watching us. "*

YES!! [sort of....] Actual transcript during Apollo-11 moon walk

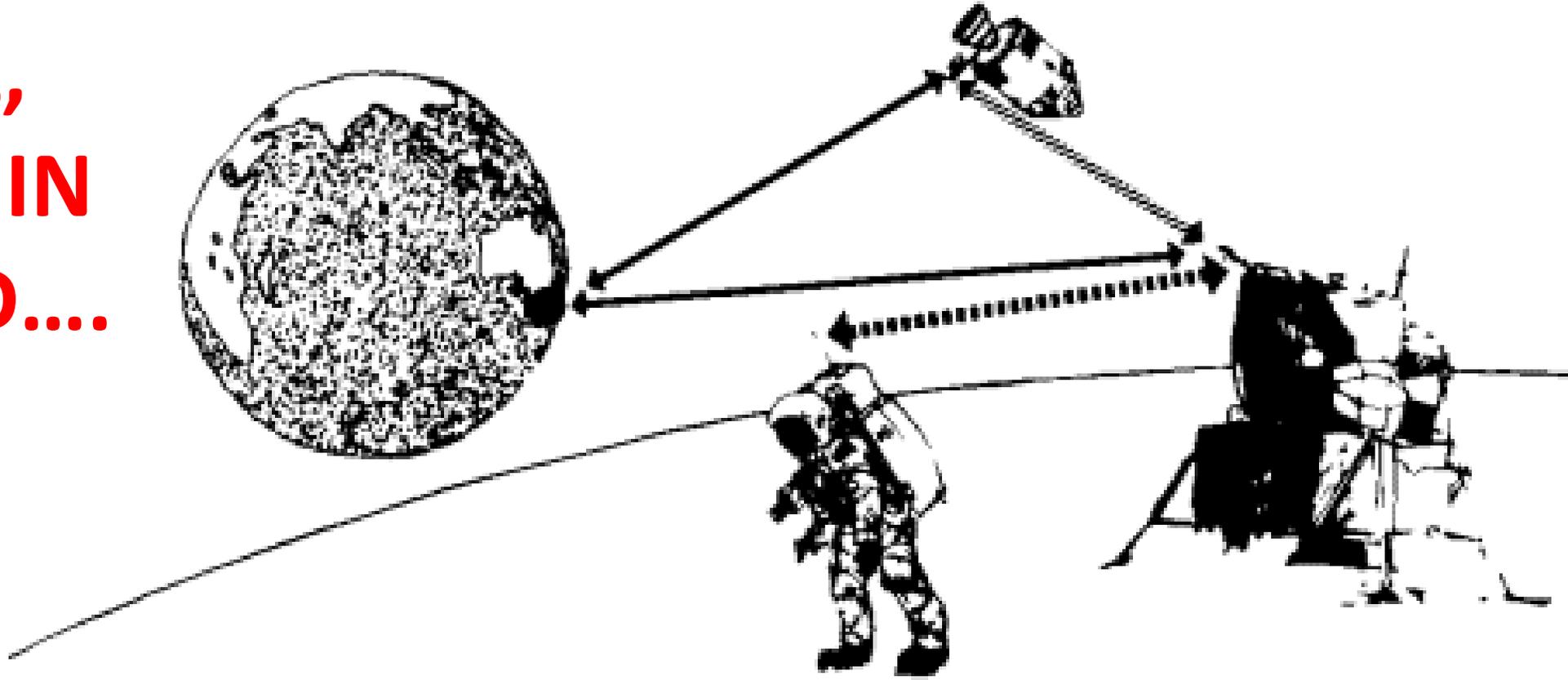


Mission Elapsed Time [hours:minutes:seconds]

- 110:37:09 **“I did see a suspiciously-small white object.”**
- 110:37:25 “Go ahead with the coordinates on the small white object.”
- 110:37:28 **“It's right on the southwest rim of a crater. I think they would know it if they were in such a location. It looks like their LM would be pitched up quite a degree. It's on the southwest wall of a smallish crater.”**

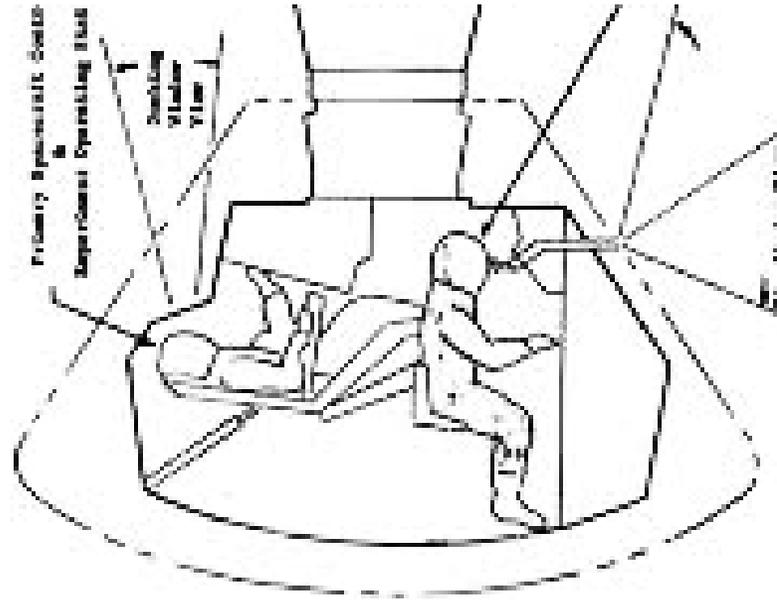
Three-sided air-to-ground conversation

**WELL,
KEEP IN
MIND....**



During the moon walk by Armstrong and Aldrin, there was also a conversation going on with Collins, and these two independent conversations were interleaved on the same voice channel.

OVERHEAD, ABOARD 'COLUMBIA', MIKE COLLINS WAS METHODICALLY SEARCHING FOR THE LANDED 'LM'



AT RIGHT: Posture of navigation bay operator [Command Module Pilot] after crew seats were stowed away [16-mm cine still from Apollo-8 mission].

Collins describes the search

Apollo-11 Crew Technical Debriefing p. 11-2

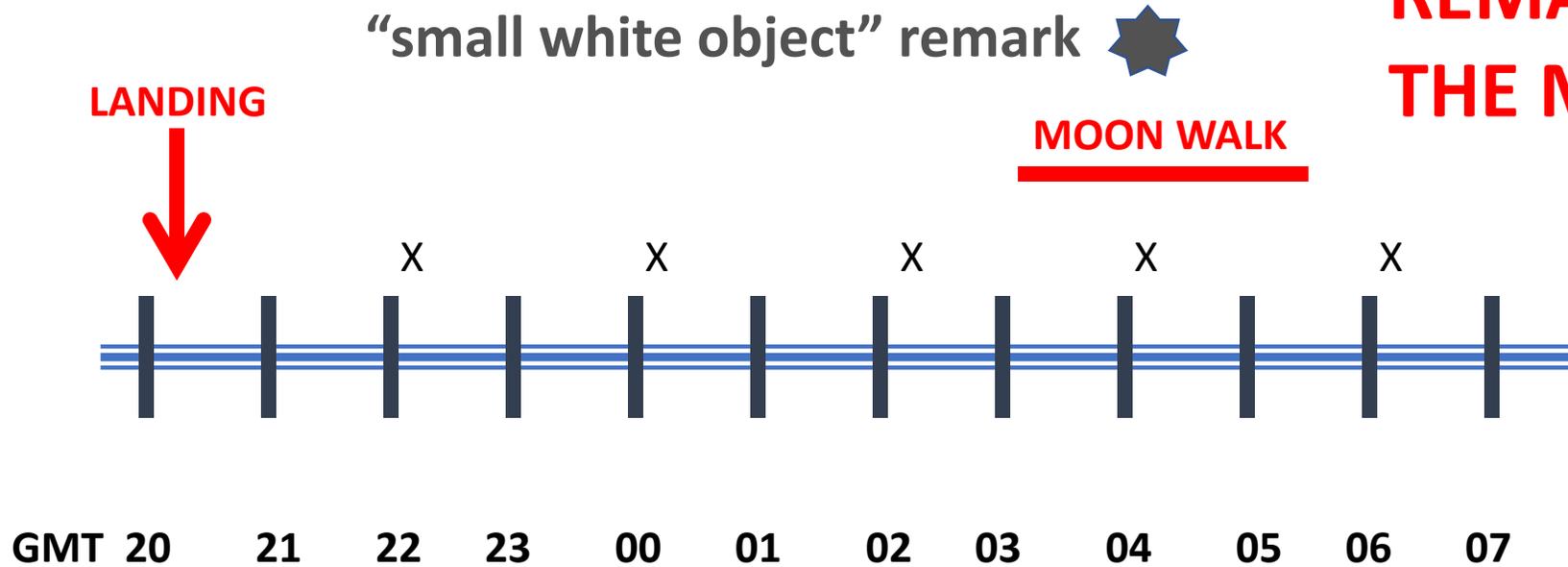
https://www.hq.nasa.gov/alsj/a11/A11TechCrewDebrfV2_1.pdf



- 11.0 CSM CIRCUMLUNAR OPERATIONS / 11.2 NAVIGATION
- The problem was **I didn't know where the LM was , and the ground didn't either**. There is too much real estate down there within the intended landing zone to scan on one, two, three, or four passes.
- **On each pass**, I could do a decent job of scanning one or two grid squares on the expanded map. That map is the 1:100 000 map called LAM 2. The ground was giving me coordinates in the grid square coordinate system that were as much as 10 squares apart. This told me they didn't really have much of a handle at all on where the LM had landed.
- As I say, it was just **too large an area for me to visually scan**. I used AUTO optics each time I looked at the area they suggested.
- **I never did see the LM.**

Apollo-11 Lunar Surface Timeline

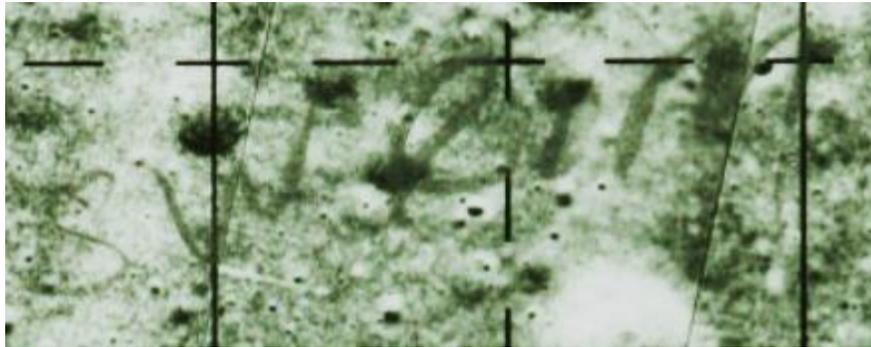
**BY COINCIDENCE,
COLLINS MADE HIS
REMARK DURING
THE MOONWALK**



“X” denotes CSM overflights and LM search passes
To convert to Mission Elapsed Time [MET] subtract
launch date 1969 July 16, 13:32:00 gmt

Collins annotated his on-board map

SW RIM

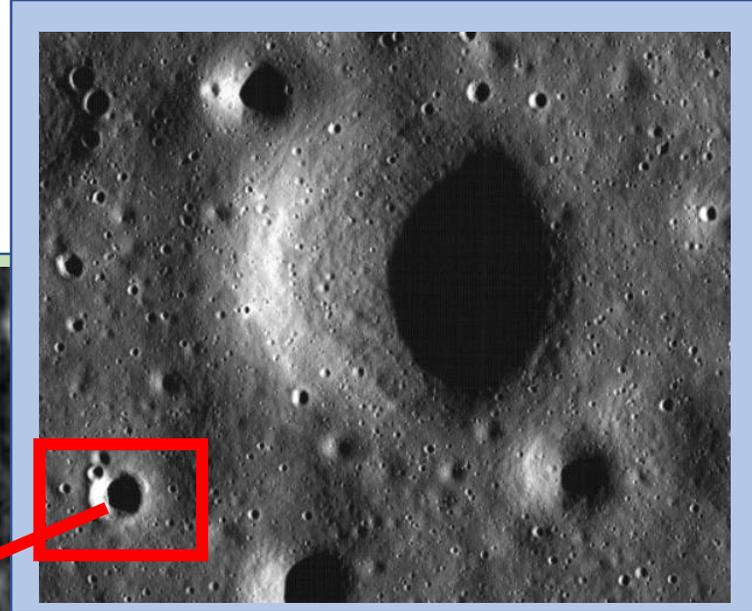
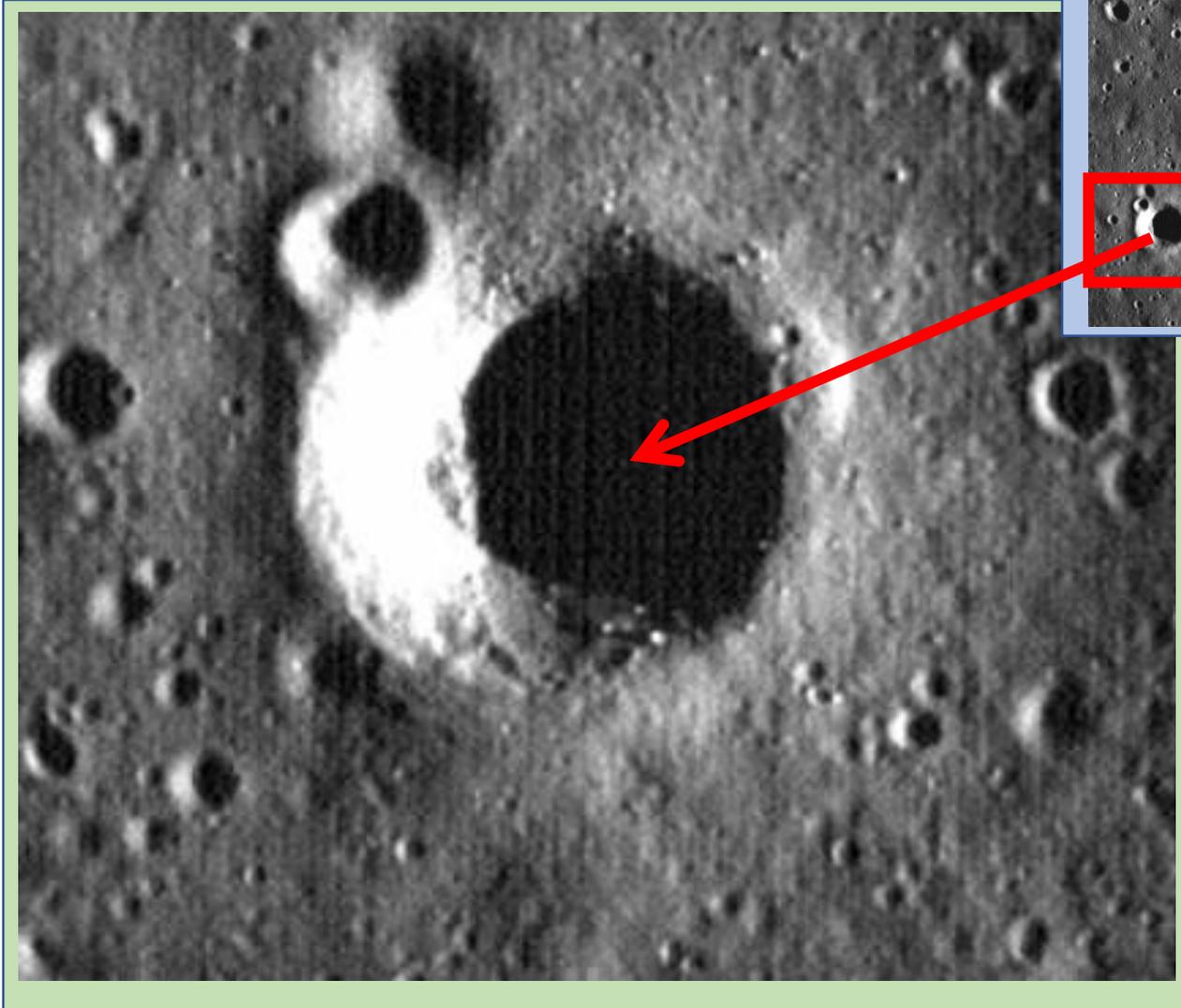


For easier reading, map inscription is rotated quarter turn. "SW" is 10:30 o'clock.



Two craters circled

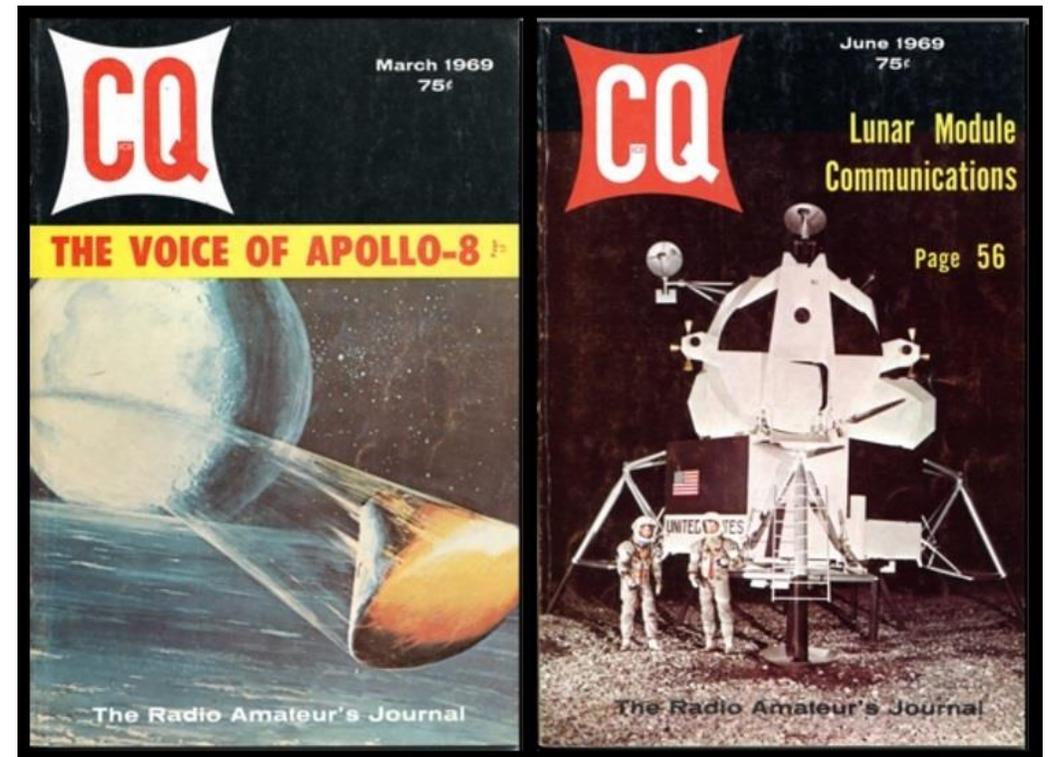
Further zoom with
more recent imagery



Zoom shows the fresh football-stadium-sized crater that Mike Collins observed from 60 miles overhead as a suspiciously bright white spot while visually searching for the landed Lunar Module. Even with sextant optics he did not resolve shape. But LRO image can do so.

Post-flight “improvements” to original story

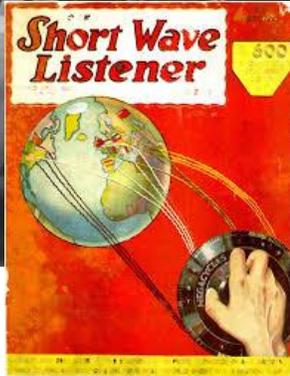
- “Object” became “objects”
- Comments attributed to Armstrong [not Collins]
- Other weird photos from mission are added into narrative [pre-descent LM window reflections]
- **“Secret channel” invoked to explain absence in transcripts of any follow-on comments**
- Anonymous **“amateur radio listeners”** cited as unverifiable sources



FACT: Only ONE American short wave listener reported hearing Apollo air-to-ground audio

ONLY verified American amateur radio reception [plus one reported reception in Germany] --

<http://www.arrl.org/eavesdropping-on-apollo-11>



“I asked [Larry] Baysinger whether he found anything that NASA edited out — comments about things going wrong, the astronauts being loose with their language or *exclamations about meeting space aliens*. He said no — absolutely everything was transmitted to the public on TV. In fact he said, “**that was kind of disappointing.**” “

Summary of 'white spot on crater rim'

- Interleaving of two parallel conversations from the moon – one from the two men walking the surface and the other for the third man trying to spot the landing site – could have puzzled listeners who could not distinguish individual astronaut voices on radio.
- Description of white object[s] on a crater rim and issue of 'knowing they were there' lent itself to imaginative misinterpretation
- Subsequent wild stories and accusations sprang from garbled memories of actual transmission as well as outright fabrications
- No serious attempts were made to verify this sensational interpretation
- Better photos showed 'white object' was bright crater

MORE: *DETAILED ANALYSIS OF STRANGE IMAGE FROM INCORRECTLY-IDENTIFIED MISSION VIDEO*

Top Customer Reviews

★★★★★ **I've seen the truth and you can too**

By [Frank Lakeman](#) on September 14, 2016

Format: Paperback

Buy the movie "For All Mankind" which was put out on the 20th anniversary of the Apollo 11 landing. Between 50 and 60 minutes (I forget the exact minute) you'll see Buzz Aldrin coming down the ladder in full color. This segment was filmed by Armstrong and is clear and distinct. As Aldrin gets to the bottom you can see off in the distance a white tower. Can't miss it, it's undeniable. It's not fuzzy, it's not tiny, it's large and sitting right there in a NASA video. I'm sure the "one star trolls" will avoid that one since they're not interested in the truth. But so far as Johnston's claim that there are structures on the moon - there's your proof completely independent of his book or Richard Hoagland's Dark Mission. I've gone to the NASA Apollo sites and pulled up images where there is clear evidence that the pictures have had "features" that have been rubbed out. It's time for NASA to come clean, not only about the moon but Mars too. Ken Johnston is a great guy and an eye witness to the greatest cover-up in history. I commend him for his courage and honesty. It's time for others to come forward and join him.

https://www.amazon.com/gp/pdp/profile/AUR9SWNROGIBE/ref=cm_cr_dp_d_pdp?ie=UTF8

FRANK LAKEMAN, AMAZON.COM: "...You'll see Buzz Aldrin coming down the ladder in full color. This segment was filmed by Armstrong and is clear and distinct. As Aldrin gets to the bottom you can see off in the distance a white tower. Can't miss it, it's undeniable. It's not fuzzy, it's not tiny, it's large and sitting right there in a NASA video."



Fundamental flaw in image identification

- Skeptic: This is a good example of the kind of superficial and fantasy-driven thinking that goes into `moon aliens' narratives... The astronaut is not Aldrin, the video is from Apollo-14's second EVA. What is apparent to even the most casual viewer is **the dish antenna on the left**, erected on the surface during a **previous EVA** along with many other science experiments, including the tall, thin **solar wind collector** deployed on Apollo-14's eva-1 and retrieved on eva-2.
- Lakeman: No deal. I've seen the antenna you're talking about - tiny and thin. **The tower I'm talking about is on the horizon**
- Skeptic: If it's Aldrin, WHO assembled the parabolic dish antenna you can plainly see standing in the left of the scene next to the LM? And then WHY does exactly the same down-the-ladder scene with 'tower' appear on the Apollo-14 video? The 'tower' I referred to wasn't an antenna, where did you get that idea? I was talking about the foil strip on a stick.

ACTUAL
VIDEO
SCENE

"For All Mankind", full NASA movie (1989).

https://en.wikipedia.org/wiki/For_All_Mankind

<https://www.youtube.com/watch?v=FJiHAoAru54>

**PARABOLIC
S-BAND
ANTENNA**

**SOLAR WIND
COMPOSITION
COLLECTOR**

Produced and Directed
by

Al Reinert

An
Apollo Associates/FAM Productions Inc.
Production

Copyright © MCMLXXXIX Apollo Associates

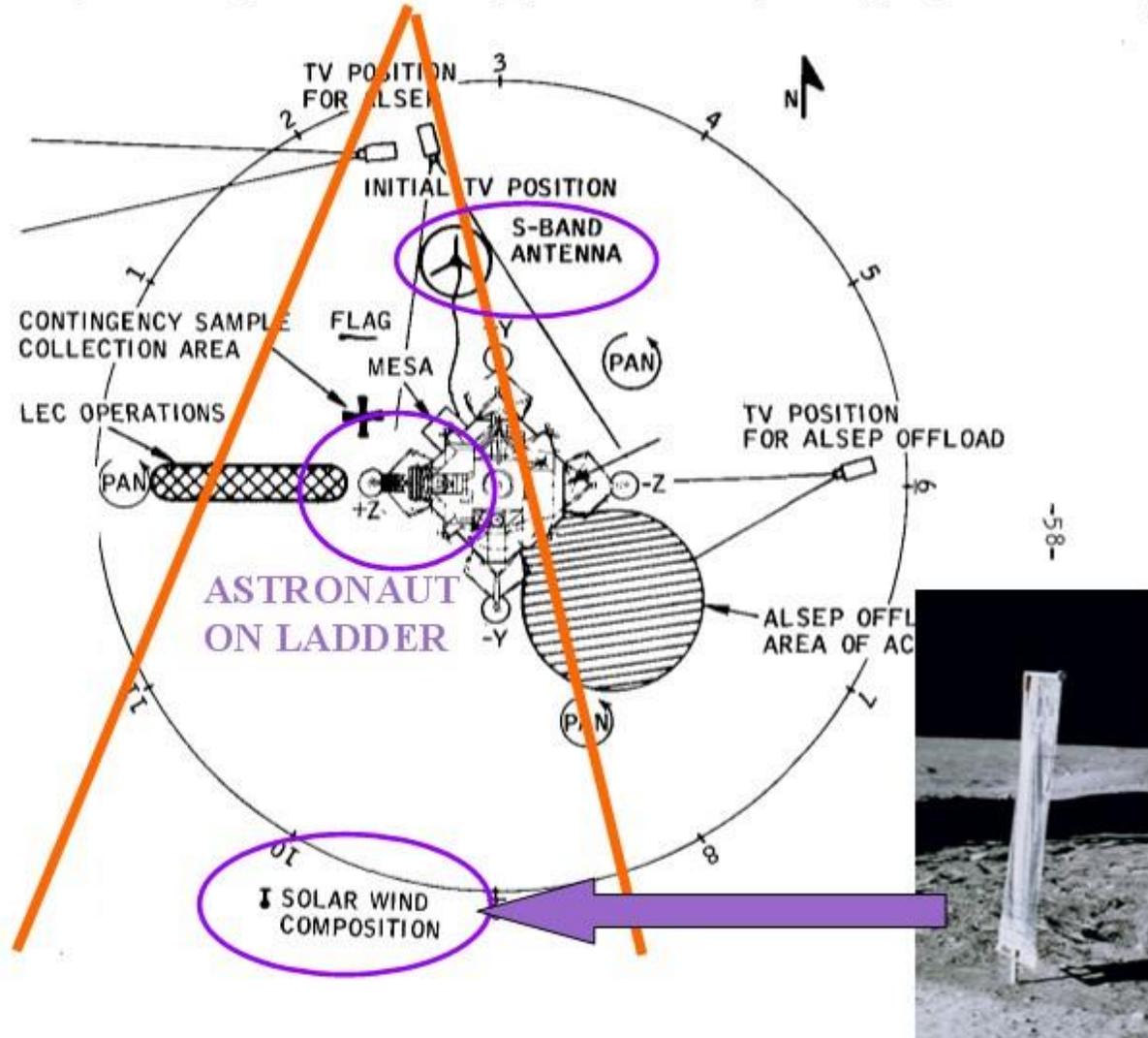
I said, "Okay, a bet's a bet."
So I bet this person \$500,

▶ ⏪ 🔊 49:47 / 1:19:51

THE IMAGE COMPOSITION IS PREDICTED BY THE PRE-FLIGHT MISSION PRESS KIT

https://www.hq.nasa.gov/alsj/a14/A14_PressKit.pdf, page 58

**ANNOTATED MAP OF
TV CAMERA FIELD
OF VIEW AT START
OF APOLLO-14 EVA-2
SHOWING [LEFT TO
RIGHT] ANTENNA,
ASTRONAUT ON
LADDER, AND SOLAR
WIND COLLECTOR**



Astronaut 'UFO believers' Ed Mitchell and Gordon Cooper

“The astronaut Edgar Mitchell was famous for believing in extraterrestrials based on his personal observation. .. Edgar Mitchell came back very convinced on what he saw and there are a lot of people, more and more astronauts. ..Buzz Aldrin also spoke about it.”

<https://www.dailystar.co.uk/news/weird-news/764961/NASA-cover-up-producer-astronauts-suppressed-alien-disclosure-UFO-video>

- Edgar Mitchell to UFO convention, at 10:35
<https://www.youtube.com/watch?v=ZqFVOyXOmvk>
- “I have had no first-hand experience even in the astronaut program, **saw nothing on the moon -- no villages no structures etc, like have been claimed**, and have had no UFO experiences myself”
- Gordon Cooper didn't hide any ‘NASA space secrets’, and on this Russian interview about 60 min in, he describes how he looked over “every inch” of the Apollo film and saw **no sign of any alien activity.**
- <https://www.youtube.com/watch?v=DJMrU8WCeWY&t=1943s>



Cooper, Mitchell, and Donn Eisele served together on the backup crew of Apollo-10 in early 1969 but Cooper was dropped from flight status soon after.

IN CLOSING == DELIBERATE HOAX OR STUPIDITY?

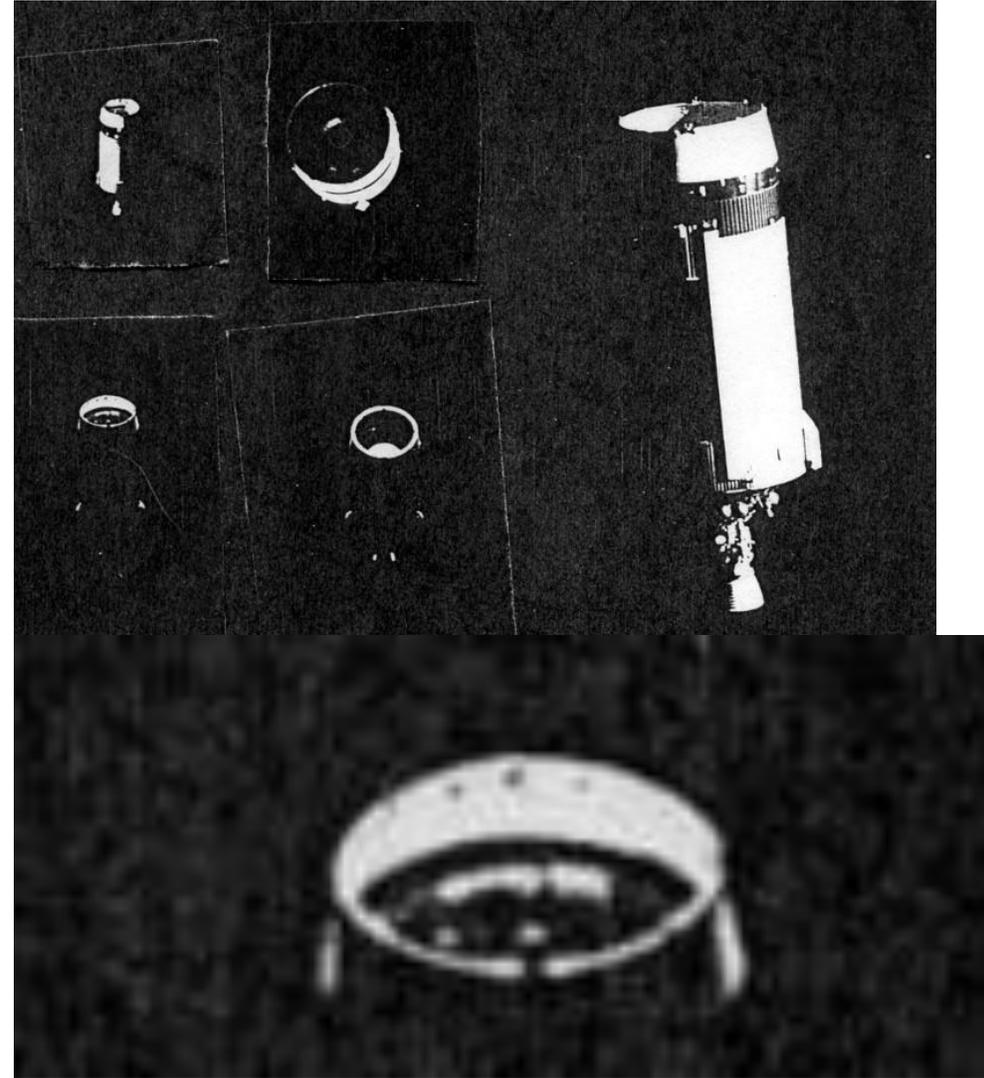
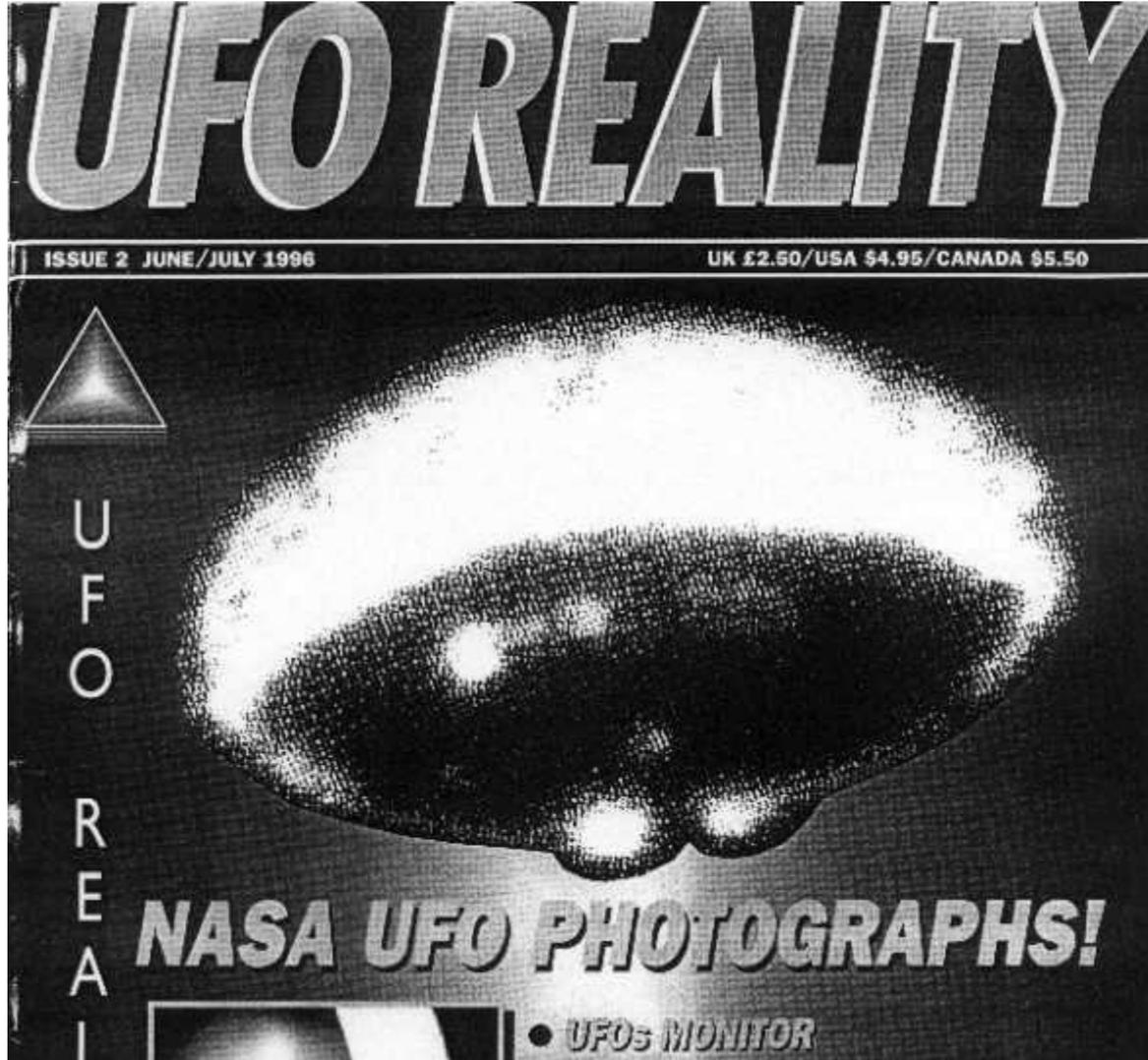


IMAGE OF SUNLIT END OF S4b ROCKET STAGE [RIGHT] CROPPED AND ENHANCED [LEFT]

WHY THE MASS MEDIA POPULARITY OF SUCH STORIES?

- **“Oberg’s law of commercializing credulity”**
- **As commercial advertising transitions to internet platforms the selection of where to place such ads is influenced by estimation of where are the most vulnerably credulous viewers.**
- **Websites seeking commercial ad revenue recognize the income advantages of being known as an attractant to gullible viewers who are easily manipulated by ego-boosting, who literally will believe anything they are shown if it makes them feel smarter than their peers.**
- **These ‘space secrets’ tales are the kind of conspiratorial ‘woke’ stories that have over the years been shown to attract exactly such a vulnerable audience for opportunistic exploitation.**

Apollo-11 moon myth summary

- Every fabulous new physical frontier has given rise to its own fables
- The word **'unearthly'** literally applies to the most recent frontier
- Trying to understand it while still mentally chained by previous earthbound experience misses the reality, often spectacularly so
- Only when our minds become as 'un-Earthbound' as our bodies have begun to be, can we get the full cultural impact of the experience
- Old mental habits die hard [because they WERE 'survival-positive' in the arenas for which they arose]
- Dramatic breakthroughs such as Apollo-11 make this happen
- It's always been a sloppy hit-or-miss transition

We go into space **to be surprised** – that's been the goal of exploration through all human history



<https://www.collativelearning.com/PICS%20FOR%20WEBSITE/excavation/strange%20excav%20shot.jpg>



GNORTS, MR. ALIEN



Neil Armstrong was the first person to land on the moon. 'Neil A.' backwards is 'Alien'.

FURTHER READING

- The first report is the amusing story about how an innocent remark during the first moonwalk mutated into the weirdest UFO myth of all time, alien ships lined up on the crater in front of the astronauts.

<http://www.jamesoberg.com/apollo-11-white-spot-150415.pdf>

Here's what the crew spotted out the window on the way to the moon:

<http://www.jamesoberg.com/apollo-11-ufo-3.pdf>

- Overview of space age myths <http://www.jamesoberg.com/ufo.html>
- Myths and legends of the moon <http://www.jamesoberg.com/ufoosm-myth-myst-of-moon.pdf>