

PROJECT 10073 RECORD CARD

1. DATE 29 Nov 61		2. LOCATION 40N 173W (PACIFIC)		12. CONCLUSIONS ☐ Was Balloon ☐ Probably Balloon ☐ Possibly Balloon ☐ Was Aircraft ☐ Probably Aircraft ☐ Possibly Aircraft ☐ Was Astronomical ☐ Probably Astronomical ☐ Possibly Astronomical ☐ Other ☒ Insufficient Data for Evaluation ☐ Unknown	
3. DATE-TIME GROUP Local _____ GMT 300705Z		4. TYPE OF OBSERVATION ☒ Ground-Visual ☐ Ground-Radar ☐ Air-Visual ☐ Air-Intercept Radar			
5. PHOTOS ☐ Yes ☒ No		6. SOURCE Military			
7. LENGTH OF OBSERVATION 10 min		8. NUMBER OF OBJECTS 1		9. COURSE S	
10. BRIEF SUMMARY OF SIGHTING Sirvis report of UFO due S with intensity of 2nd mag star. Observed 25° above horizon descending into horizon in 10 min. Speed and altitude unknown.				11. COMMENTS Limited info. Description of objt too incomplete for evaluation. Case listed as insufficient data.	

1 - 31 DECEMBER 1961 SIGHTINGS

<u>DATE</u>	<u>LOCATION</u>	<u>OBSERVER</u>	<u>EVALUATION</u>
- 3	Vandenberg AFB, California	Military	Astro (METEOR)
/ 4	40.32N 166.59W (Pacific)	Military	SATELLITE
- 6	St. Thomas, Virgin Islands	[REDACTED]	Other MISSILE
/ 12	20 Mi W of Junction, Texas	Military	Other (SATELLITE DECAY)
/ 13	Goshen, Indiana	American Airlines	Astro (METEOR)
/ 13	Washington, D. C.	[REDACTED]	UNIDENTIFIED
/ 13	Chicago, Illinois	[REDACTED]	Astro (METEOR)
/ 14	50.31N 17.30W (Atlantic)	Military	INSUFFICIENT DATA
/ 14	Amityville, New York	Multiple	INSUFFICIENT DATA
/ 15	40N 174W (Pacific)	Military	INSUFFICIENT DATA
/ 16	61.15N 06.45W (Atlantic)	Military	INSUFFICIENT DATA
/ 17	64.40N 29.30W (Atlantic)	Military	SATELLITE
/ 20	40.07.5N 173.05W (Pacific)	Military	SATELLITE
/ 20	21N 163E 21.50N 160.40E (Pacific)	Military	Astro (METEOR)
/ 21	Tyndall AFB, Florida	[REDACTED]	Astro (BETELGEUX)
/ 26	Chicago, Illinois	[REDACTED]	Astro (REFRACTION OF MOON)
- 29	Goodlettsville, Tennessee	[REDACTED]	AIRCRAFT
/ 29	Bartlett, Illinois	[REDACTED]	Other (CONTRAILS)
/ 30	21.30N 158.03W (Pacific)	Military	Astro (SIRIUS)
/ 31	Dayton, Ohio	[REDACTED]	Astro (SIRIUS)

ADDITIONAL REPORTED SIGHTINGS (NOT CASES)

<u>DATE</u>	<u>LOCATION</u>	<u>SOURCE</u>	<u>EVALUATION</u>
Dec	Universe	Science News Ltr	
2	Springfield, Ohio	News Clipping	
3	Sacramento, California	" "	
6	Southwestern United States	" "	
13	Danvers, Massachusetts	" "	

SMB A 101

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

00 RJEZHQ RBEPW RJWFALB RJWXB
INCOMING

DE RJHPKH 12

AF IN : 18491 (30 Nov 61)

H/trc

ZNR

O 300907Z

INFO : CIN-14, ARMY-2, CMC-7, JCS-35, OSD-15, NSA-7,
CIA-11, OOP-2, DIA-2, OOP-CP-1, SAFS-3 (100)

FM HAW AIR DEF DIV KUNIA ANNEX HAWAII

TO RJHPKM/CINCPACAF HICKAM AFB HAWAII

RBHPQ/COMHAWSEAFRON PEARL HARBOR HAWAII

INFO RJEZHQ/COFS USAF WASHINGTON DC

RJWXB/RB/CINCSAC OFFUTT AFB NEB

RBEPW/CNO WASH DC

RBEPW/SECNAV WASH DC

RJWFALB/CINCNOAD ENT AFB COLORADO

RBHPA/CINCPAC CAMP HM SMITH HAWAII

RUHPFS/CINCUSARPAC FT SHAFTER HAWAII

RBHPB/CINCPACFLT PEARL HARBOR HAWAII

RJAPAZ/COMUSJAPAN FUCHU AS JAPAN

RUAMCR/COMUSKOREA SEOUL KOREA

RUAGFL/COMUSSTDC TAIPEI TAIWAN

RBHPHH/COMHAWSEAFRON KUNIA TUNNEL ANNEX

RBHPD/COMASWFORPAC FOR D ISLAND HAWAII

F GRNC

BT

UNCLAS/CIRVIS/V43204 UNIDENTIFIED FLYING OBJECT

SIGHTED DUE SOUTH OF POSITION 40N 173W 30/0705Z

FIRST OBSERVED 25 DEGREES ABOVE HORIZON. INTENSITY

APPROX THAT OF SECOND MAGNITUDE STAR. DISAPPEARED

BELOW HORIZON 0715Z ALT AND SPEED UNKNOWN.

NO EVALUATION

BT NOTE: ADV CY DEL TO OOP-CP & CIN 300530

*UFO
File
@*

ASTRONOMY

Look for Jupiter Early

Jupiter can still be seen in the evening sky during November in the constellation Capricornus. The winter constellations are making their appearance, James Stokley reports.

► THE PLANET Jupiter is still prominent in the evening sky during November, but you have to look soon after the sky darkens. Only two months ago it was visible until midnight, and even into the early morning. But at the beginning of November it sets soon after 10:00 p.m., your own kind of standard time; and about 8:30, at the end of the month.

If you look earlier in the evening—even before the sky is entirely dark—you will see it in the southwest, in the constellation of Capricornus, the horned goat. It is so much brighter than any other planet or star now visible (magnitude minus 1.8 on the astronomer's scale) that it appears first. And a little ahead of Jupiter, toward the right, stands another planet—Saturn. It is about an eleventh as bright as Jupiter, although still equal to a first magnitude star.

Neither Jupiter nor Saturn are shown on the accompanying maps of the November evening skies. These depict the heavens as they look about 10:00 p.m. at the first of November, about 9:00 at the middle of the month and 8:00 at the end. Thus, these planets are just below the southwestern horizon. But the stars make a brilliant display, for we are beginning to see some of the constellations that make the evening skies of winter so glorious.

For example, look over toward the east. There, a little above the horizon, you will see three moderately bright stars in a vertical row, with brighter stars to the right and left, and another quite a bit above.

The three stars in a row mark the belt of Orion, the warrior. Of the two bright stars, the one to the right, which was placed in one of his feet in the old star maps, is called Rigel. The one to the left is Betelgeuse, in his shoulder. When he is seen in this part of the sky, Orion is on his back. He is upright when he climbs higher in the south.

The star above, which is distinctly red in hue, is Aldebaran, part of Taurus, the bull. And farther to the left (on the map of the northern half of the sky) is Capella, in Auriga, the charioteer. Below this constellation is a group called Gemini, the twins, whose brightest stars are named Castor and Pollux. Castor is of the second magnitude, and Pollux of the first. Both, however, are considerably dimmed because they are so near the horizon, and their light is absorbed by the atmosphere.

Turning toward the northwest two more bright stars are visible. The lower is Vega, in Lyra, the lyre, while the one above is Deneb, in Cygnus, the swan. Farther to the left, a little lower than Vega, is Altair, in Aquila, the eagle. Here again we have three stars in a row, but there is little chance of

confusing them with Orion's belt, in which all three are of similar brightness. Altair, in the middle, is considerably brighter than its two companions.

Low in the southwest stands another first magnitude star, called Fomalhaut. This is about all that you can see of Piscis Austrinus, the southern fish. But the people in Buenos Aires see it much better, for it passes directly overhead.

Low in the north you can see the great dipper, which is part of Ursa Major, the larger bear. At this time of year the group is in its poorest evening sky position.

Above it is Polaris, the pole star, which is a part of the smaller bear, Ursa Minor. And still higher stands Cassiopeia, the queen, whose principal stars now form the letter M.

In addition to Jupiter and Saturn there are three other planets that can ever be seen with the naked eye. Two of them are visible in November before sunrise. Venus appears low in the southeast about an hour before the sun. It is even brighter than Jupiter, so is easy to see—if you look at the correct time and place.

On Nov. 7 Mercury reaches "greatest western elongation," the position farthest west of the sun, and so rises a little before

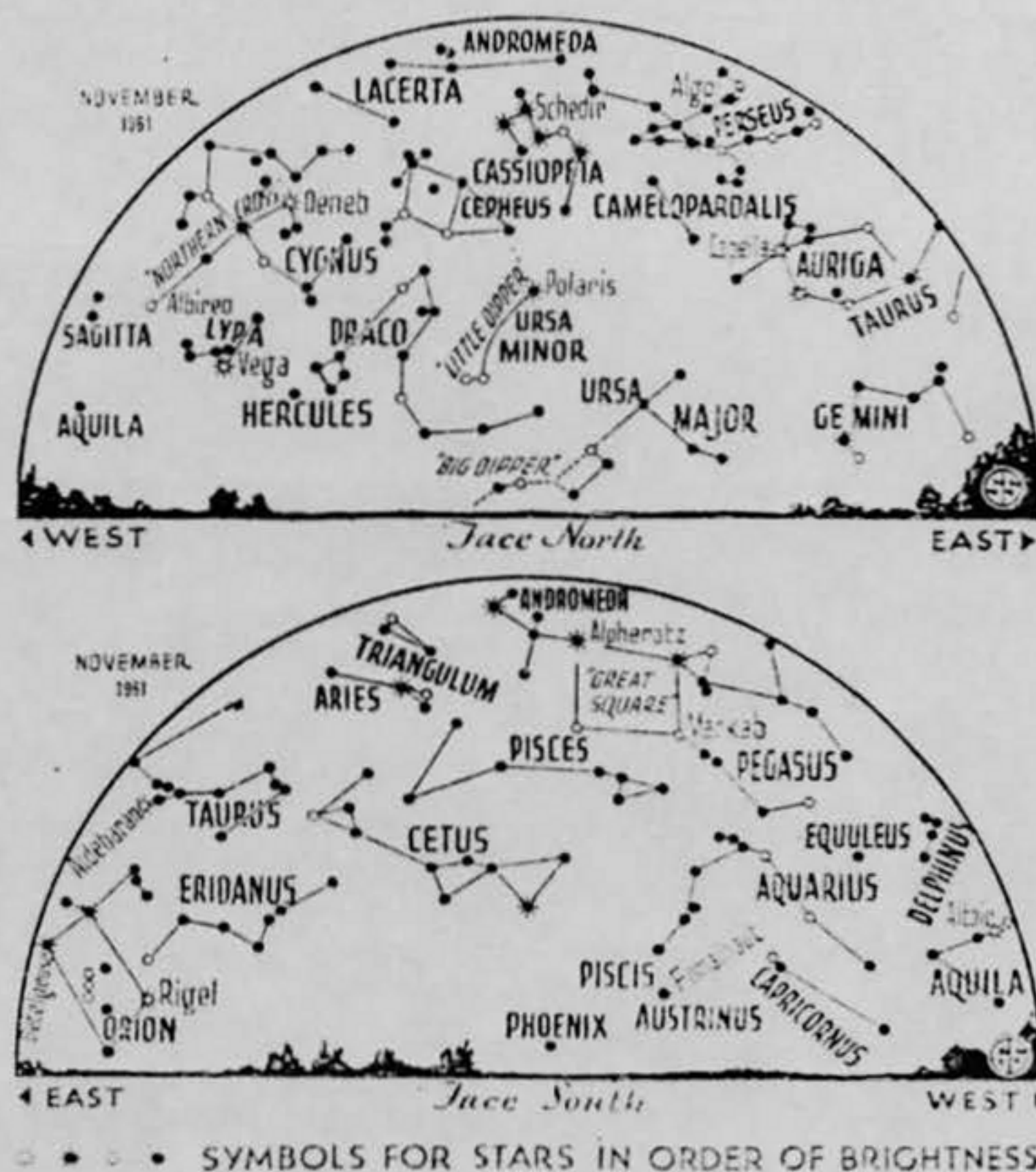
sunrise. For a few days around this date you may be able to see it, near Venus and considerably fainter, as dawn is breaking. Mars, the third planet, cannot be seen at all this month because it is too nearly in the same direction as the sun.

Mid-November is the time of one of the most famous of meteor showers, the Leonids. On any clear, dark night, if you watch the sky for a while, you will see a meteor, or shooting "star." Actually these are not stars at all—merely small bits of cosmic debris that enter the earth's atmosphere from outer space where they encounter so much friction that they burn up in the flash of light one sees.

During any night a single observer can see about seven such meteors per hour, on the average. There are always more after midnight than before; in the early morning hours we meet them head on, while those seen in the evening have to be moving fast enough to catch up to the earth.

These sporadic meteors may move in any direction across the sky. At certain times of year, as around Nov. 16, many meteors seem to radiate from one particular region. For the November meteors this is the constellation of Leo, the lion, which now rises around midnight.

The effect is actually one of perspective, for the meteors are moving around the sun in a huge swarm that follows the orbit of a comet last seen in 1866. The orbit of this swarm crosses the earth's path in mid-November.



Thus, every year at this time, we meet them coming into the earth's atmosphere in parallel paths. But, just as the parallel tracks of a railroad seem to converge in the distance, so do the tracks of light made by the meteors seem to converge. It happens that the point of apparent convergence is toward Leo, and that is why they seem to radiate from that part of the sky. They are therefore called the Leonid shower of meteors.

In some places the Leonid swarm is much more concentrated and when the earth encountered these in past years, there was a shower of meteors of extraordinary brilliance. One of them was in 1833, the "year the stars fell on Alabama." This year, however, about Nov. 16, you should see an average of 15 to 20 meteors an hour, including the strays that do not belong to the shower. There will be more after midnight. Not only will we then be able to meet them head-on, but the moon will then have set. It is at first quarter on the 15th, when it sets about midnight.

Celestial Time Table for November

Nov. EST

1	9:00 p.m.	Moon farthest; distance 251,300 miles
6	11:00 a.m.	Moon passes Venus
	1:00 p.m.	Moon passes Mercury
7	10:00 a.m.	Mercury farthest west of sun; visible for a few days around this date in southeast just be- fore sunrise
8	4:59 a.m.	New moon
12	3:30 a.m.	Algol (variable star in Per- seus) at minimum bright- ness
13	8:00 a.m.	Moon passes Saturn
	7:00 p.m.	Moon passes Jupiter
15	12:19 a.m.	Algol at minimum
	7:13 a.m.	Moon at first quarter
16	early a.m.	Leonid meteor shower at best (see text)
	12 midnight	Moon nearest; distance 229,700 miles
17	9:08 p.m.	Algol at minimum
20	5:57 p.m.	Algol at minimum
22	4:44 a.m.	Full moon
29	5:00 p.m.	Moon farthest; distance 251,200 miles

Subtract one hour for CST, two hours for MST, and three hours for PST.

• Science News Letter, 80:290 October 28, 1961

No Case (Information Only)

15 November 1961
Chadron, Nebraska

1961

"ANGEL HAIR" IN NEBRASKA: A weird unidentified flying object streaked across the skies near Chadron, Nebraska, last November 15th, and deposited a strange substance on a farm owned by Theodore Goff. The seemingly metallic substance came off the flying object in thin fibers and settled to earth, draping itself like a finely-knit shroud over Goff's fields, trees, machinery, and power lines. Says Goff: "It was about 3 o'clock in the afternoon, and I had been working in my shed. I came outside and happened to look up and see this strange ball flying through the air. It seemed to be rolling as it sped through the sky. It was going faster than any airplane I ever saw, and it just disappeared from sight when it got out of the sunlight. It made absolutely no noise. Big chunks of it broke off, and these fibers began settling down on everything." The oddest thing of all is that the fibers are so thin that they cannot be seen with the naked eye except when they are in direct sunlight. They can be felt on the skin like spider webs, but they are much smaller in diameter than a spider web. According to the report, a human hair seems like a rope in comparison. The fibers can not be picked up, as they are so fine that you can't tell when you have one; and they can't be broken apart, though they can be burned. Fibers used by the Air Force for radar-jamming are much thicker than these, it is said.

8 Nov 61
CHADRON, NEBR.

November 8; Chadron, Nebraska--A threadlike deposit of "seemingly metallic fibers" was left on the Theodore Goff farm following sighting of a UFO. Mr. Goff attempted to preserve some of the substance by covering it with canvas, but it dissipated before investigators arrived. (Similar to other apparent "angel's hair" incidents.)

November 8; near Poplar Grove, Ill. --
Boyd G. Germansen and his son saw three
"discus-shaped" objects about 7:15 a.m.
while duck-hunting. The UFOs appeared
"bright as if of highly polished metal,"
and were visible through broken clouds
estimated to be at 4000 feet. The discs
were about one-fourth the apparent di-
ameter of the full moon, and moved in a
straight-line formation.

No Case (Information Only)

10 November 1961
Baltimore, Maryland

1961

Baltimore, a "metallic, circular, spinning, green-white lighted humming ob-
ject" was seen by several residents on the night of Nov. 10th. One of the wit-
nesses said that the white lights were shining brightly, as if through port-
holes in the bottom of the craft, and there was a green light forward.

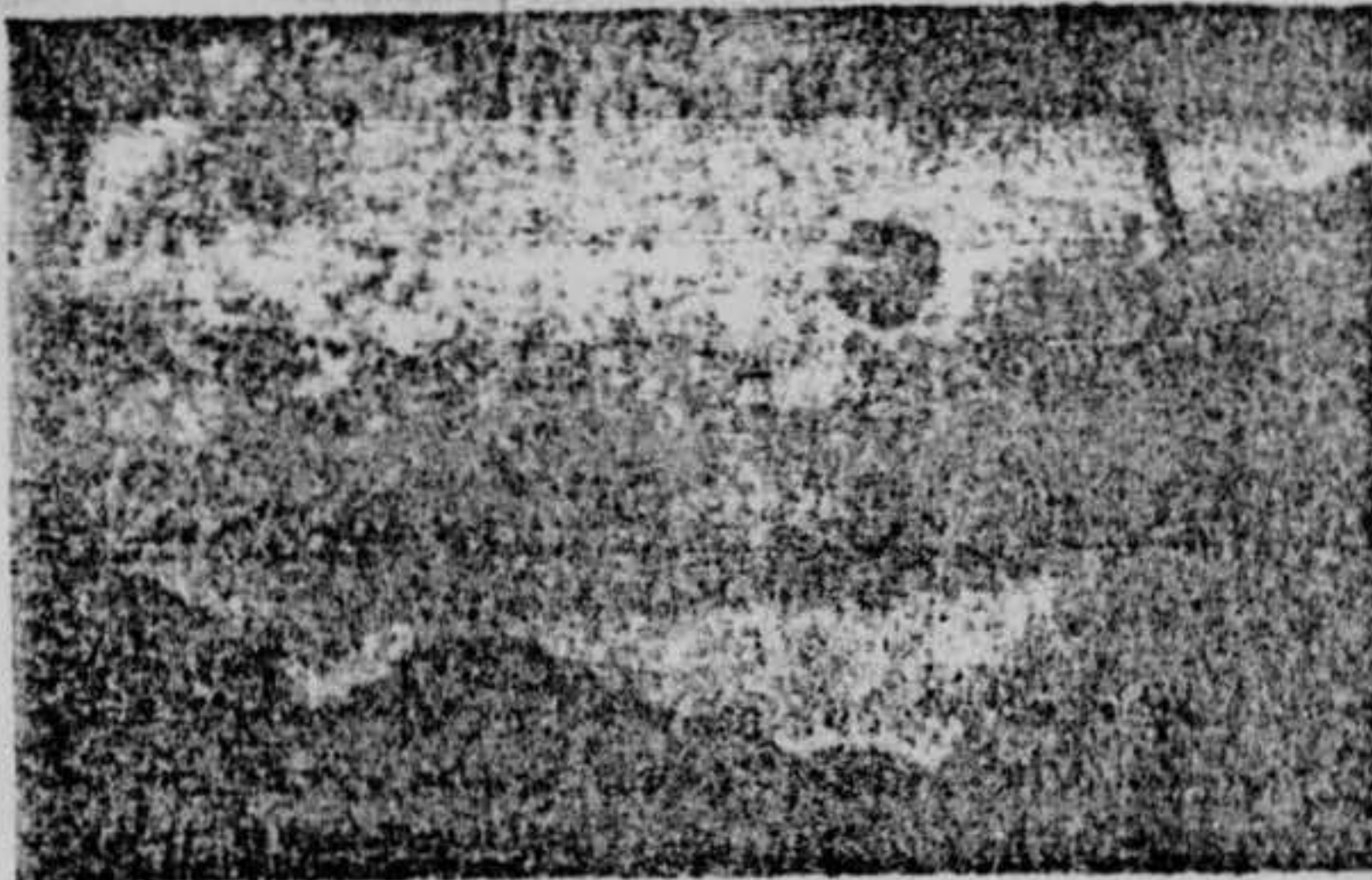


November 10; Baltimore, Md.--A cir-
cular, metallic-appearing UFO which
maneuvered low over the area at night,
then went straight up, was reported by
Mrs. Thomas Lane and many other resi-
dents of northeast Baltimore. Witnesses
said the UFO was spinning, had a green
light on the leading edge, and white lights
on the bottom resembling portholes. The
Pentagon stated it knew of no aircraft
activity which could account for this
sighting.

NO CASE: (INFORMATION ONLY)

SOURCE: SAUCER NEWS, Mar 62

21 Nov 61
Lihue, Hawaii



~~the information, and we want nothing to do with~~

SAUCER PHOTOGRAPHED IN HAWAII: The picture above was taken last November 21st by Masa Arita of Lihue, Hawaii. It is one of two pictures which he took within seconds of each other while the UFO hovered briefly over Kalapaki Beach. The object then zipped away so quickly that it "disappeared from sight almost instantaneously," according to the report. No further details are available.