

PROJECT 10073 RECORD CARD

1. DATE 30 May 52		2. LOCATION North Pacific (Hawaiian Islands)		12. CONCLUSIONS ☐ Was Balloon ☐ Probably Balloon ☐ Possibly Balloon	
3. DATE-TIME GROUP Local _____ GMT 30/1945Z		4. TYPE OF OBSERVATION ☐ Ground-Visual ☒ Shipboard ☐ Air-Visual ☐ Ground-Radar ☐ Air-Intercept Radar		☐ Was Aircraft ☐ Probably Aircraft ☐ Possibly Aircraft	
5. PHOTOS ☐ Yes ☐ No		6. SOURCE Military		☒ Was Astronomical ☐ Probably Astronomical ☐ Possibly Astronomical	
7. LENGTH OF OBSERVATION 6 sec		8. NUMBER OF OBJECTS 1		9. COURSE WNW	
10. BRIEF SUMMARY OF SIGHTING Exceptionally bright meteor, brightened considerably as it fell, leaving red trail & finally disintegrating into shower of red pieces.				11. COMMENTS Meteor, as described by witnesses.	

UNCLASSIFIED

[REDACTED]

MC

PARAPHRASE NOT REQUIRED. ALL INFORMATION IN CATEGORY 1 EXCEPT INFORMATION PHYSICALLY DERIVED FROM ALL INTERNAL SECURITY SOURCES BY DATE-TIME INDEX PRIOR TO DECLASSIFICATION

1100 1133

23 JUN 59

A OPER IMMED

IN USS DEKALD COUNTY (LST 715)

030045Z

TO COMNAV ATIC WFAFB

INFO CINCPAC

OPERATIONAL IMMEDIATE

BT

ALPACFLT 34 REFERS. FOLLOWING REPORT SUBMITTED.

231045Z MAY EXCEPTIONALLY BRIGHT METEOR SIGHTED 21-40 NORTH 109-24 WEST. SIGHTED BEARING 212 DEG TRUE ALTITUDE 43 DEGREES APPROX HALF WAY BETWEEN JUPITER AND ALPHARD. VISIBLE ABOUT 6 SECONDS AND BRIGHTENED CONSIDERABLY AS IT FELL IN WNW DIRECTION LEAVING RED TRAIL AND FINALLY DISINTEGRATING INTO SHOWER OF RED PIECES AT ALTITUDE 33 DEGREES. SKY CLEAR BAROMETER 30.24 SEA CALM WIND FROM 095 DEGREES TRUE 13 KNOTS. ACCURACY INTO EXCELLENT DUE IMMEDIATE RECORDING FOR PREPARATION HYDRO REPORT.

BT

Classification Cancelled
Auth. [Signature]
By [Signature]
Date 13 MAY 1989
AFR 2054, Para 2-7a
3 Jan 68

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BT

UNCLASSIFIED

[REDACTED]

Sighting

~~Q~~ include six (6) pages of photocopied
narrative.

Sighting

~~Q~~ includes six (6) pages of photocopied
narrative.

~~CONFIDENTIAL~~

REPORT ON UFO SIGHTINGS, PACIFIC AREA

PART I. SUMMARY

A. The following reports of UFO sightings in the Pacific area (Hawaiian Islands to California) were reported to the AFSS during the period 30 May 1955 to 15 July 1959. There were no significant reports from the area during April or the first 20 days of May.

30 May 1959, 1945Z - Report from the USS Litch County. Position 21-10N 159-00W. Heading 212 degrees true. Sighted an exceptionally bright meteor which brightened considerably as it fell. Object left a red trail and disintegrated into a shower of red pieces. Duration of sighting six seconds.

30 May 1959, 0100Z - Report from USS Howell. Position 45-12N 163-50W. Course 105 degrees. Sighted three flashing meteors between 0100Z and 0130Z. Objects fell ahead of the ship from an elevation of approximately 40 degrees.

31 May 1959, 0900Z - Report from LST (1063) USS Flamingo County in company of LST (1076) USS Blair City and LST (1065) USS Lincoln City. Position 24N 162-50E. Course 115 degrees. Sighted a dimly glowing object 10-25 degrees off bow at 15 degrees elevation. Object was angled toward the ship. Object brightened as if exploding then disappeared. Duration of sighting three seconds.

18 June 1959, 1115Z - Report from Captain H. G. Seidman of United Airlines Flight 431 and Captain Turner of Transamerica Flight 4502. Position approximately 33N 114W. Sighted four globules of fire, round shaped and of an intense bluish-white color. The sky was lit up by these objects which were moving generally east. Duration of the sighting two seconds. Two surface craft, the USS L. M. Swenson and the USS Pausanias, which were in the area at the time, made negative reports concerning the sighting.

11 July 1959, 1500Z - PANAM Flight 7947, Captain G. A. Wilson. Position 28-25N 114-30W, altitude 20,000'. Bright white light moving constantly at high speed. Appeared to be one bright center light with four smaller lights on left side. Object moved 150 degrees to flight path and made 90 degree turn. Appeared southeast and disappeared south. Aircraft cruising at 20,000' and lights were slightly higher. Object observed by the other crew members. Pilot says that object could not have been a meteor as there was no evidence of a tail or trail. Duration of sighting 10 seconds.

See memo to [unclear]

FOUO

11 July 1959, 1302Z - PANAM Flight 9942, Captain F. G. Antberg.
Position 26-00N 146-50W. Observed light in clear sky, night with bright
moonlight. The lights were twice the brightness of Venus. Object looked
like a bright star and appeared in the west and disappeared in the west
above aircraft. Possible shooting star. No estimate possible of speci-
fic distance or altitude. Duration of sighting 10-15 seconds.

2605 - 14330W
11 July 1959, 1302Z - Alaska Airways Flight 749/11, Captain L. S. Lawless.
Position 26-00N 146-50W. Observed lights on a clear night, no moon,
which appeared the brightness of automobile headlights one mile away.
The color of the object was pure white and it changed brightness. Object
appeared to be one large light with four smaller lights in trail. The
object appeared to come straight at the aircraft and looked like a large
tracer or very pistol flare, which burned out gradually. Appeared south-
west and disappeared southwest. The flight path was level and the speed
very high - 1000 knots or more. Duration of sighting 3-5 seconds. Could
have been a meteor.

11 July 1959, 1302Z - Empress Flight 103-11, Captain L. G. Moffett.
Position 29-40N 150-40W, altitude 11,000'. Observed object which
appeared to be one large light surrounded by a cluster of six or seven
smaller lights. Largest light the size of a dime. The lights were as
bright as an automobile headlight one block away and the color was
orange-yellow. The lights moved from southwest to southeast, moving
faster than any known object. Duration of sighting five seconds. Clear
sky with trace of daylight. Definitely not a meteor or shooting star,
no trail visible.

11 July 1959, 1302Z - United 21. Position 920 NE east of Honolulu,
altitude 12,000'. White light down ahead and above, descended toward
aircraft and below, then banked to the left. As the object moved away
there were four white lights in a rectangle with a large bright light
in the center. This object was also observed by crew members of the
following: CP 100, PANAM 945, Allick 601, PANAM 752. Description and
other pertinent data approximately the same as reported.

B. Actions.

1. The AIMS determined by contact with the Commander, Western Sea
Frontier, AFMAG, Hq., 20th Air Division, the AFCEP Navy Liaison Officer,
and the Missile Division, AFCEP-413 of AFIS that no missiles or satellites
known to the United States could have been the cause of these sightings.

2. Detachment #1 of the 1006th AIMS investigated the United Airlines
sighting of 13 June 1959.

3. Contacted the 1116th Balloon Activities Group, Lowry AFB. There
was a balloon, AFMAG 6-467, launched from Vernalis, in the area at 1300Z
on 11 July 1959. Position 35 degrees to 38 degrees 150 degrees to 158
degrees E. These balloons carry red lights which are visible for five
miles. However, due to the intense brightness, color difference and
apparently great speed the possibility of this object being a balloon
is ruled out.

[REDACTED]

Captain Moffatt of Empire Flight 123-41 reported a trace of daylight. Morning twilight began at 0331 local or 13314, twenty-nine minutes after the sighting. Here again, it is believed that the extreme brightness of the object was responsible for the misimpression that the light was from other sources.

1. No known rockets or missiles in the area.

3. Assuming all estimates to be correct, except the 30 miles and extending this to 100 miles, the speed necessary to traverse 15 degrees in two seconds is approximately 50,000 MPH, or in the meteor range.

5. The surface vessels probably could not see the object due to the relatively short distance to their horizon. From 17,000 feet the crew of the aircraft would have an absolute horizon of approximately 137 miles.

Any meteor which is as bright as or brighter than -3 magnitude is defined as a "fireball". The color range varies from a bluish-white through white to yellow, green and reddish. The usual event when fireballs are seen is a brilliant flash of light which lasts as long as the meteor is visible, but may fluctuate in brightness. Sometimes

[REDACTED]

these meteors break into several parts. Some of these meteors leave trails and some do not.

From a report titled "Long Enduring Meteor Trains and Fireball Orbits" by [REDACTED] University of Pennsylvania, of 33,000 meteors observed by Professor Cuno Hoffmeister of Sonneberg Observatory, Germany, only 42, or one of every 786, left trains which persisted for seconds or more. The American Meteor Society indicated a ratio of one in 750; also, of 102 fireballs listed in the report, only 20 had trails which were significant enough to record. According to Dr. Oliver's report, fireballs occur approximately one in every 250 meteors. Fireballs are sporadic and not associated with any particular shower.

The average speed of the 102 fireballs from Dr. [REDACTED]'s report is 28 miles per second, approximately 100,800 miles per hour, or 67,480 knots. Curved or irregular paths may be due to irregular shapes. Fireballs sometimes explode and on occasion they may be heard.

D. Conclusion

It is the AFIC opinion that the objects responsible for all of these sightings were that type of exceptionally bright and large meteors classed as "fireballs".

Further, it is believed that all of the reports on 11 July 1959, refer to the same meteor. The time, description, and general direction of the object from the witnesses tends to substantiate this opinion. See attachments one and two.

[REDACTED]

~~_____~~

A large, dark, heavily textured vertical shape, possibly a piece of wood or a heavily stained surface, with a rough, irregular edge. The texture is grainy and uneven, with some lighter areas showing through the dark material. The shape is roughly rectangular but has jagged, irregular edges, particularly on the right side. It appears to be a close-up of a natural or weathered material.

110 100 100 100

1. PANAM FLT #0947 20,000'
2. PANAM FLT #0942
3. Slick Airways FLT #719/11
4. EMPIRES FLT #323-11 11,000'
5. UNITED AIRLINES FLT #21 12,000'

11 July 59

1302Z

UFC S1400117

POSITION PLOT OF THE REPORTING AIRCRAFT

Vectors indicate the direction of the object as reported by each crew.

FOR

FOR

Est. at 4:24 5pm

Handwritten signature or initials



ASTRONOMY

Three Planets Now Visible

Venus, Mars and Jupiter are visible on May evenings as the sky darkens. Saturn becomes visible as midnight approaches.

By JAMES STOKLEY

➤ **THREE PLANETS** are visible to the naked eye on May evenings, as soon as the sky darkens, while a fourth appears before midnight.

The brightest of these is Venus, now so brilliant it can be seen soon after sunset, while dusk is gathering. After that, until it sets about three hours after the sun, Venus dominates the western sky, situated in the constellation of Gemini, the twins.

Mars is also in Gemini, but is about 1/130th as bright as Venus, due to its great distance at present, about 180,000,000 miles. This makes it appear similar to a star of the second magnitude, while Venus is many times brighter than first: minus 3.6 on the astronomical scale of brilliance.

Look to the southeast for the third May planet. This is Jupiter, currently on the border between Libra, the scales, and Scorpius, the scorpion. Although less than a quarter as bright as Venus, its magnitude is minus two, far exceeding any nearby star or planet. Thus it dominates the southeastern sky, much as Venus does in the west.

Saturn is May's fourth planet; it rises about 11:15, your own kind of standard time (add one hour for daylight saving time) at the first of May and about 9:15 at the end of the month. It is in Sagittarius, the archer, and is equal to a bright first magnitude star in prominence.

All these planets (except Saturn), as well as the stars of the May evening, are shown on the accompanying maps. These depict the skies at about 10:00 p.m. (standard time) at the first of May and an hour earlier at mid-month. They would also show them as they appear at 8:00 p.m. at the end of May, but at that time of year the sky does not become dark, over most of the United States, until after 9:00 p.m.

Vega Is Brightest

The brightest star is Vega, in Lyra, the lyre, in the northeast. The next is Arcturus, high in the southeast in Bootes, the bear-driver. A good way to locate this star is to look first in the north at the familiar Great Dipper, which is part of Ursa Major, the great bear. In the bowl of the dipper are the pointers; if followed downwards they bring you to Polaris, the pole star, which stands directly over the North Pole. But if you follow the curve of the handle of the Big Dipper around to the south, you come to Arcturus. Continuing farther, it brings you to another first-magnitude star: Spica, in Virgo, the virgin.

To the right of Virgo, high in the south-

west, is Leo, the lion. This group contains a smaller figure known as the sickle. (The blade of the sickle forms the head of the lion.) In the handle of this implement is the star called Regulus.

In addition to Mars and Venus, the constellation of Gemini contains Pollux, another star of the first magnitude. Castor, which represents the other twin, is of the second magnitude. Looking to the right of this group, you will find Auriga, the charioteer, with the bright star Capella.

The maps also show two other first-magnitude stars, but each is so low in the sky that it appears many times fainter. One is Antares, in Scorpius, a little below Jupiter. The other is Deneb, in Cygnus, the swan, near the northeastern horizon, below Lyra. In a few months both will be prominent in the evening.

On May 18 Jupiter will be in opposition. This means that it is directly opposite the sun, so it rises at sunset and sets at sunrise. Also, since we are then in the same direction from the sun as Jupiter, it is closest to the earth. Its distance will be 405,800,000 miles.

This is a good time to observe Jupiter.

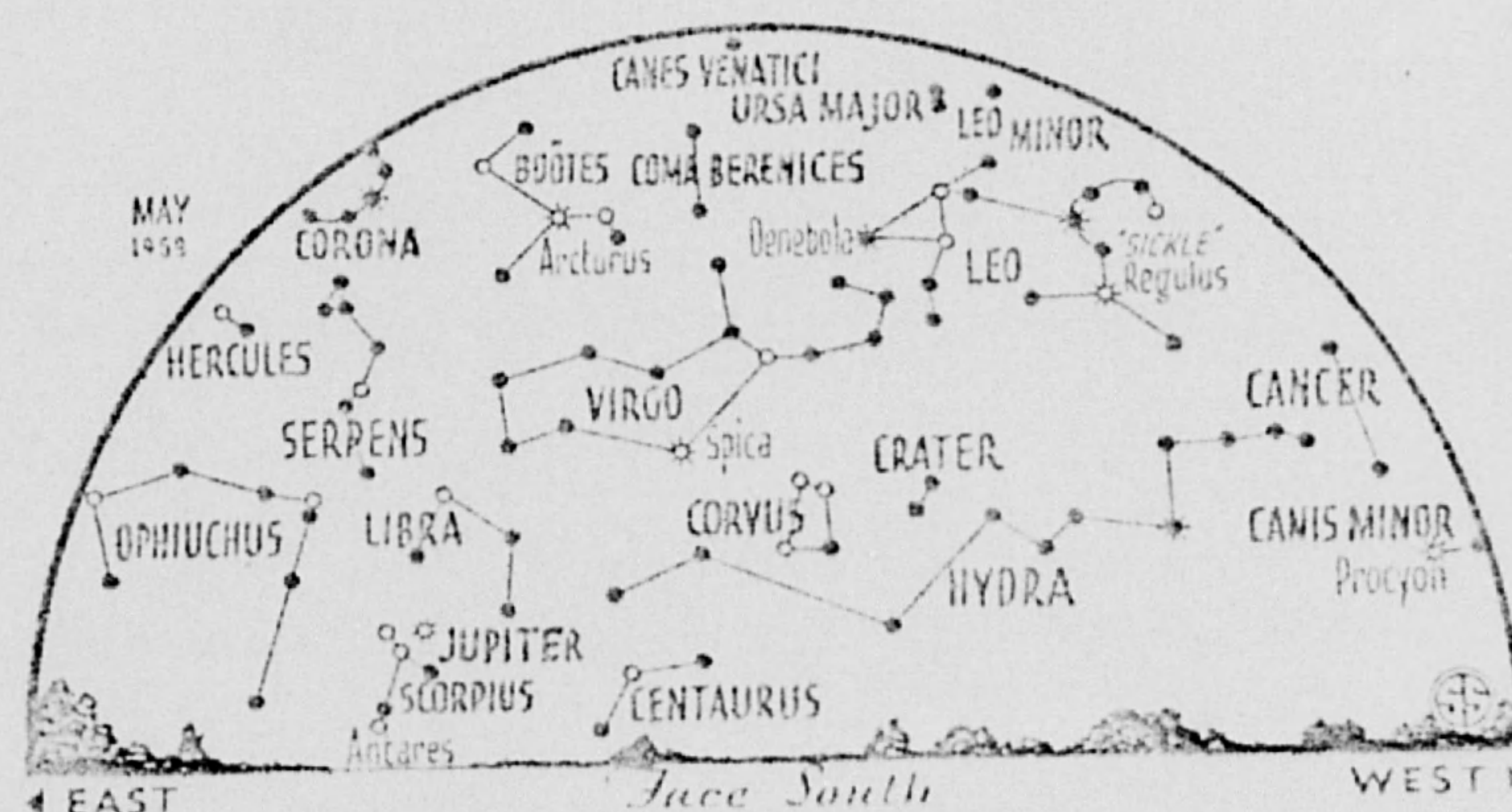
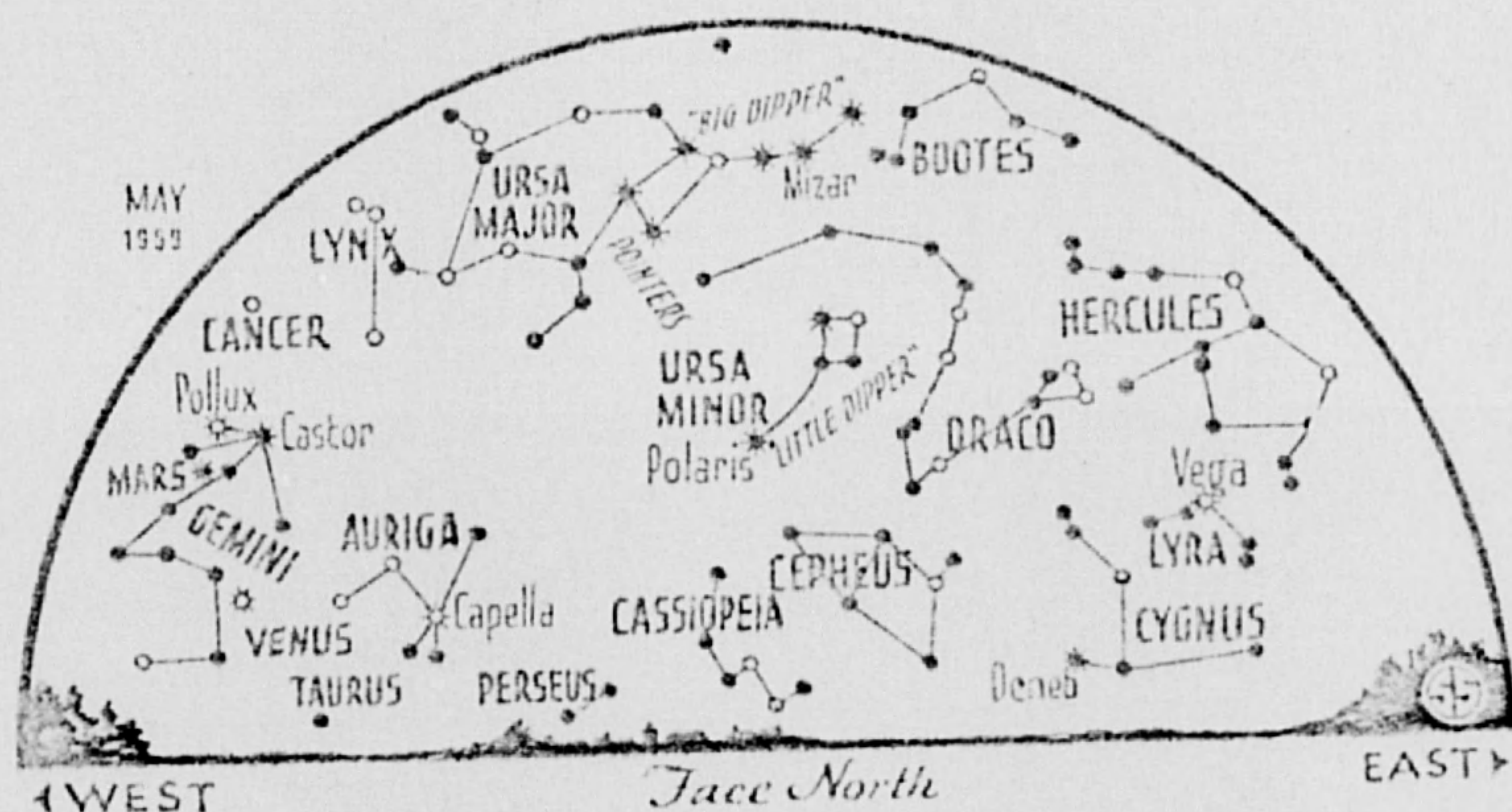
It makes a striking sight, even through a small telescope. It has 12 moons, four of which are as large as our moon, or larger. Two, in fact, are larger than the planet Mercury. These four can be seen with even rather small telescopes, and they are fascinating to watch, night after night, as they swing from one side of Jupiter to the other. Occasionally they even disappear from view, as they hide behind Jupiter, or suffer eclipse when they pass through its shadow.

Dimensions of Jupiter

Through a telescope that magnifies only 40 diameters, Jupiter would look about as big as the moon does to the naked eye. Its shape is elliptical, rather than circular. Its diameter at the equator is 88,770 miles, but that from pole to pole is about six percent less, or 83,010 miles.

This flattening at the poles is a result of rapid rotation, for Jupiter turns on its axis in only 9 hours 55 minutes. Because of its enormous size, the speed of rotation at the equator is about 28,000 miles per hour. This results in centrifugal force so great that the planet's equator is thrown to a distance of nearly 3,000 miles farther from the center than are the poles, where there is no centrifugal force.

The equatorial bulge of the earth is only a little more than 13 miles. This is a result



• • • SYMBOLS FOR STARS IN ORDER OF BRIGHTNESS

of the earth's much smaller size and slower rotational speed, about 1,035 miles per hour.

If you look at Jupiter through a telescope, you will be impressed with the amount of detail that is visible. It is crossed by light and dark bands, parallel to the equator, which display a variety of color: orange, red, brown and even green. These features may change rapidly, so it is apparent that they are not part of a solid surface. Instead, what we see are tops of clouds which perpetually cover Jupiter.

Venus, too, is continually enshrouded in clouds, but they are merely a thin layer, like the clouds of earth.

Those of Jupiter make up much of that planet's volume. If you could land on what appears to be its equator, and then descend, you would go some 8,000 miles before you reached the bottom of the atmosphere, according to the widely accepted theories of Dr. Rupert Wildt of Yale University.

Jupiter's "Slushy" Region

There you would come to a layer of ice, but probably there would be no sharp boundary; rather a slushy region which became more and more solid as you penetrated toward the center. Some 17,300 miles deeper, at a total depth of more than 28,000 miles, you would reach the bottom of the ice, and the top of the solid core, more than 28,000 miles in diameter, and probably of rock and metal. This accounts for only about eight percent of Jupiter's volume, while the core and the frozen ocean around it are only 55%; the rest is the atmosphere.

This consists of methane and ammonia, which have been detected by analysis of Jupiter's light. Probably a considerable amount of hydrogen is also present, although this cannot be so easily detected. At the "surface" of Jupiter, the top of the cloud layer, the temperature is about minus 150 degrees Fahrenheit. In many respects it would fail to qualify as a place where space ships could land. However, the moons of Jupiter might be more suitable for some future expedition. From one of these much could be learned about the giant planet, and many of its current puzzles could be solved.

Celestial Time Table for May

May	EST	
5	early a.m.	Meteors visible, radiating from constellation of Aquarius.
7	3:11 p.m.	New moon.
	11:00 p.m.	Moon farthest; distance 252,600 miles.
11	9:11 a.m.	Moon passes Venus.
12	9:49 p.m.	Moon passes Mars.
15	3:09 p.m.	Moon in first quarter.
18	3:00 p.m.	Jupiter opposite sun; distance 405,800,000 miles.
21	midnight	Moon nearest; distance 221,000 miles.
22	12:43 a.m.	Moon passes Jupiter.
	7:56 a.m.	Full moon.
24	4:19 p.m.	Moon passes Saturn.
29	3:13 a.m.	Moon in last quarter.

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

Science News Letter, April 25, 1957

SOUTHERN OREGON COLLEGE

ASHLAND, OREGON 97520

SUMMER 47

NO. CHSE

1250 344

Nov. 29, 1965

U.S. A.F.
Wright Patterson Field
Attention Office re: UFOs
Dayton, Ohio.

Gentlemen:

I am writing you this letter very belatedly to report two strange objects that my wife and I saw in the Summer of 1959. I have finally decided to write because I feel embarrassed at not reporting these incidents before. This letter is probably unimportant, but in the light of the many times I have ridiculed the possibilities of unidentified flying vehicles, I feel that I should at least report my experiences.

I have been a teacher for 16 years and in 1959 I was driving my family to Trout Lake Washington in the Gifford Pinchot Forest. We were going there to report to the Forest Service for our summer lookout position. (We worked five years in this capacity.) We had not yet arrived at Trout Lake being about two miles away when we saw, ahead of us, a bright - but soft, luminous shape over Flattop ridge. We were very startled and we stopped the car and ~~also~~ observed this shape for about 5-8 minutes. It was motionless and clearly suspended above the ridge top - I would say 100' to 150'. It seemed to be an "electrical blue" - and not as bright as a neon blue. We left this spot to get some friends to document this object but we found that upon arriving at their home some 4-5 miles distant, the ridge could not be seen from that point. By the time we all returned to the original position the shape was gone. This object was so separate and distinct to any other experience that I could never come to the conclusion that it could be a natural or known form.

Later in the same summer, my wife and I looked out of the window (about 11 pm.) and saw a ~~at~~ whitish shape with pulsating red lights appear in the distant

horizon. It very rapidly became a larger shape and we were amazed at the apparent speed this indicated. It made a small arc, from the Lemai Rock area and came directly towards and over our lookout tower. I was very frightened and did not go outside the tower for some minutes. There was absolutely no sound which was highly unusual in such a remote area. We often saw many U.S. G. F. planes and we know what the jets sound like.

The exact dates of these occurrences probably could be obtained from the ~~US~~ US 75 diaries that all lookouts keep. I must venture this opinion, we have been rather familiar with common visual phenomenon and I can assure you - these were something distinct and unusual in our experiences. I am very sorry that fear of ridicule kept me from reporting them sooner.

Later that year I talked with other lookouts and apparently several other objects had been seen by more than one lookout at a time, moving at tremendous speeds in the Mt. Rainier area.

Sincerely yours,

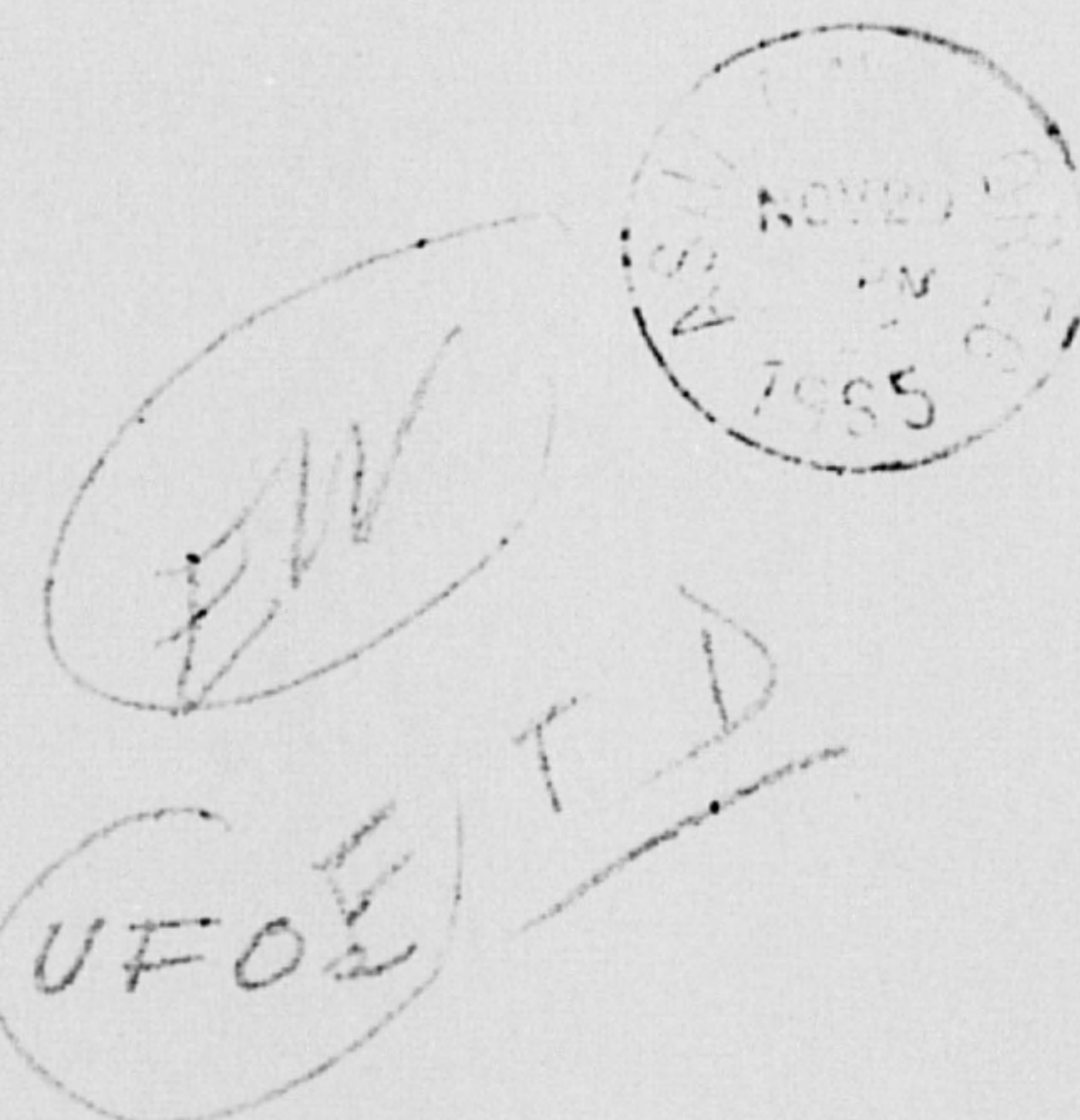
Dr. ~~James H. [redacted]~~

~~[redacted]~~

Seattle Oregon College.

DR. [REDACTED]
SOUTHERN OREGON COLLEGE
1250 SISKIYOU BOULEVARD
ASHLAND, OREGON 97520

United States Air Force
Wright-Patterson Field
Attention Office 14:
Dayton, Ohio



No Case (Information Only)

6 May 1959
Galt, Ontario, Canada

1959 showed at least 11 UFO photographs. On May 6 at Galt, Ontario, Canada reporter Phil Potentier photographed a white ellipsoid UFO near an old Post Office tower, as it moved over the city for over an hour.

TRES LOMAS-ARGENTINE: SOURCE: SPURR REVIEW - SIP #02763

On May 20, 1959, at 5:30 p.m., ten men who were out hunting saw, near Tres Lomas, in the Province of La Pampa (also the Argentine), a disc-shaped object on the ground, at a distance of 150 metres. They describe the phenomenon as a machine having the appearance of being made of aluminium or of some silvery metal or even of brilliant frosted glass, and from 2 to 2½ metres in height. Here too a "cupola" with a radius of one metre is mentioned. After the "object" had departed the grass was found to have been flattened.

NO CASE (INFORMATION ONLY)

20 May 59
Tres Lomas, Argentine

No Case (Information Only)

21 May 1959

Brindisi, Italy-

SMITHSONIAN INSTITUTION
ASTROPHYSICAL OBSERVATORY

SECTION OF UPPER ATMOSPHERE STUDIES
IGY OPTICAL SATELLITE TRACKING PROGRAM
60 GARDEN STREET
CAMBRIDGE 38, MASSACHUSETTS

Dear Major -

This is so much
like the great many sightings
in France that I suspect
something definite here -
a meteorological phenomenon?

Point is -
find out
weather
were there!
Boyer? Or,
maybe our
ships and
cups.

Huge "Flying Cigar"
Observed Over Italy

BRINDISI, Italy, May 22
(Reuters) — A huge "flying
cigar" emanating a yellow glow
was seen by many people here
yesterday, coming from the
southwest.

"The object seemed to circle
over the town, and then went
off at a prodigious speed over
the sea heading for the Alba-
nian coast," one eyewitness was
quoted as saying.

Can we
what the
conditions
An answer
can we
air attack
get more
This is

a flying pattern!

From now on I am

gain, & bother you more
frequently on terms that I
feel should be looked into
for our own good. Keep our
powder dry! Never know when
we'll have to use it!

Cordially,

Allen Hyatt

JUNE 1959 SIGHTINGS

DATE	LOCATION	OBSERVER	EVALUATION
Jun/Jul	New Guinea (see following folder)		Astro (BODIES)
2	SE of Labrador	Military	Astro (METEOR)
3	Genoa, Italy		Astro (METEOR)
3	Hempstead, New York		Aircraft
3	Washington, D. C.		Astro (METEOR)
7	Rossville, Georgia		Aircraft
8	Oakhurst, New Jersey		Aircraft
8	Rockville, Maryland	Military	Aircraft
9	Manassas, Roanoke, Virginia	Military (RADAR)	Aircraft
10	Reno, Nevada	Military	Balloon
11	Ventura, California		Insufficient Data
11	Los Angeles, California	Military	Aircraft
13	Minot, North Dakota	Military	Astro (METEOR)
13	Novinger, Missouri		Insufficient Data
15	Enon, Ohio		Aircraft
16	Camp Lucas, Michigan	Military	Astro (REGULUS)
16	Henderson, Nevada		Aircraft
16	Meridian, Mississippi	Military	Aircraft
18	Waikiki, Honolulu, Hawaii	(PHOTO) missing	Other (SUNGLARE ON LEN)
18	33.05N 134W Pacific	Civilian Airlines	Astro (METEOR)
18	Lyons, Colorado		Astro (METEOR)
18	Enon, Ohio		Aircraft
18	Stephenson, Sault Ste Marie, Michigan		Astro (METEOR)
18	Forest Park, Illinois		Astro (METEOR)
18	Edmonton, Alberta, Canada		UNIDENTIFIED
19	Ecross, Michigan		Astro (METEOR)
20	6 Mi SE of Alexandria, Louisiana		Balloon
21	Chesterland, Ohio	Military	Insufficient Data
21	Macao, China	Military (RADAR) F, L, M	Other (SURFACE VESSEL)
24	SE Ohio	Military Air	Insufficient Data
24	Dayton, Ohio		Other (UNRELIABLE REPC
25	20 Mi S of Taegu, Korea	Korean GI	Other (INCONSISTENT DA
27	Danville, Virginia		Other (HAZE)
30	Patuxent River, Maryland	Military	UNIDENTIFIED

ADDITIONAL REPORTED SIGHTINGS (NOT CASES)

DATE	LOCATION	SOURCE	EVALUATION
Jun	Universe	Science News Ltr	
10	Booth Lake, Wisconsin	Newsclipping	
12	Mountain States & Canada	Map	
15	Durban, South Africa	Newsclipping	
19	Dayton, Ohio	Newsclipping	
21	Hamilton, Ohio	(Ltr)	Meteor

IN SEPARATE FOLDERS