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UNCLASSIFIED
DEPARTMENT OF AIR

REFERRED TO	FOLIO for ATTENTION	DATE REFERRED	ACTIONED BY INITIALS
Movements	P.L.	27-11-73	MA
DAFI	P.L.	27-11-73	[initials]
PA 1974	Joh	26/08/81	[initials]
PA 80			
DAFIS		26/1/82	✓
Rut Army	File	1/8/84	db.
PA 74			

UNCLASSIFIED

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SUMMARY OF SIGHTINGS

No	Place/Date	Person	Receipt	Reply	Probable Cause
1*	INNALOO WA 24 OCT 73	MRS. S. WILLIAMS	28 NOV 73	6 DEC 73 ✓	MITSUBISHI MU-2 (VH-CJP) OPERATED BY ALTAIR GERALDTON-JANDARCT
2*	GERALDTON WA 26 OCT 73	MRS. M. KING	28 NOV 73	10 DEC 73 ✓	SPACE DEBRIS
3*	DIANELLA WA 22 OCT 73	MR. C. LACEY	28 NOV 73	6 DEC 73 ✓	SPACE DEBRIS 1961 ALPHA I
4*	DARWIN NT 23 NOV 73	J. S. SIMS R. T. AINSLIE	11 DEC 73	NR	STROBE LIGHTS OF DC-10 AIRCRAFT REPORT SENT FOR INFO ONLY
5*	FLYNN ACT 10 NOV 73	MR. MRS. D. BELL	11 DEC 73	14 DEC 73 ✓	VENUS
6*	NEW IRELAND PNG 16 OCT 73	I. V. KNOX	12 DEC 73	19 DEC 73 ✓	MARS
7*	EVANDALE TAS 5 OCT 73	T. A. VAN ZYL	18 DEC 73	9 JAN 74 ✓	UNPREDICTED SATELLITE PASS
8*	LAUNCESTON TAS 12 NOV 73	R. L. ORRWOOD	18 DEC 73	15 JAN 74 ✓	LIGHT AIRCRAFT
9*	HIGHETT VIC 21/22 NOV 73	L. A. JONES	27 DEC 73	15 JAN 74 ✓	SATELLITES
10*	SORRENTO WA 7 NOV 73	K. M. McDERMOTT	27 DEC 73	14 FEB 74 ✓	COSMOS 372 ROCKET
11*	MARDON HANTHORN VIC 2 NOV 73	J. DANRENN	7 JAN 74	13 JAN 74 ✓	JUKTAPOSITION OF VENUS/JUPITER
12*	MURRUMBidge VIC 19 DEC 73	V. G. LAWRENCE	8 JAN 74	N/R	RETURNED TO USA 17 JAN 74. NO ADDRESS. REPLY NOT CONSIDERED NECESSARY
13*	DANDENONG VIC 18 DEC 73	W. H. K. HALL	8 JAN 74	27 FEB 74 ✓	LIGHT AIRCRAFT
14*	TOWNSVILLE QLD 4/JAN 74	L. W. ONLEY G. J. DAVEY	17 JAN 74	27 FEB 74 ✓	ANOMALOUS RADAR PROPOCATION 1971-100E RE-ENTRY
15*	CANBERRA ACT 31 DEC 73	P. LOVEDAY	18 JAN 74	N/R	DAO-3 ROCKET AND UNPREDICTED SATELLITE PASSES. ADVISED BY TELEPHONE
16*	ALBERT PK VIC 8 JAN 74	P. J. QUARK	23 JAN 74	14 FEB 74 ✓	BOEING 707 DOING TOUCH AND GOES AT AVALON
17*	TOURKEY NSW 27 DEC 73	MRS R. KELLY	30 JAN 74	27 FEB 74 ✓	BALL LIGHTNING
18*	BODDINGTON WA 20 NOV 73	M. J. HARNETT	30 JAN 74	27 FEB 74 ✓	BALL LIGHTNING (KUGELBLITZ)
19*	WANDERING WA 20 NOV 73	P. H. STEWART	30 JAN 74	14 FEB 74 ✓	VENUS

20 Nov 73

D 1660

SIGHTING # 19

WANDERING
WA

P.H. STEWART

580/1/1 Pt33 (19a)

14 FEB 1974

Mr P.H. Stewart,
'Bencullen',
WANDERING, W.A. 6308

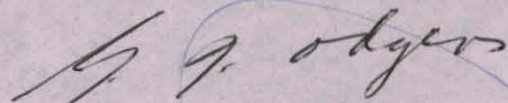
Dear Sir,

Your report of an unusual aerial sighting on 20th November 1973, has been investigated and the investigating team considers that the most probable cause was the planet VENUS.

At the time of the sighting VENUS was visible with a magnitude of -4 at an elevation of 9.5° on a bearing of 246° . When viewed through the polluted lower layers of the atmosphere unusual movement and increased magnitude, as described in your report, is apparent from light sources such as VENUS.

We trust that this explanation is satisfactory and thank you for your report.

Yours faithfully,



(G. J. ODGERS)
Director of Public Relations



*Copy
DAN
13 Dec 74*

*Copy 4 D/R
14.2.74
to*

Royal Australian Air Force
A273 - MEMORANDUM

May 72 Stock No 7530-66-052-8064

FROM	DEF AIR	FILE	5801/1 P 33 (19A) 18 FEB 74	DATE	18 FEB 74	REFERENCES	HQPEA S19/AIR P 6 (15) OF 20 JAN 74 HQPEA S19/AIR P 6 (10) OF 11 DEC 73
TO	HQP EA			ATTENTION		FNC OFF PYERS	
SUBJECT	REPORTS OF UNUSUAL AERIAL SIGHTINGS						

Enclosed, for your records, are copies of letters to Mr P.H. Stewart and Miss K.M. McDermott in reply to their reports of an unusual aerial sightings.


Enclosures : Copies of letters to Mr P.H. Stewart and Miss K.M. McDermott

SIGNATURE	NAME	RANK	APPOINTMENT	PHONE NO
M. G. GREGG	M. GREGG	FNC OFF	IR. 2	2408

FROM HQ PEA	FILE 5/9/AIR P6 (15)	DATE 20 JAN 73	REFERENCES
TO DEF AIR		ATTENTION DAFI	
SUBJECT REPORTS OF UNUSUAL AERIAL SIGHTINGS			

ENCLOSED FOR YOUR INVESTIGATION ARE REPORTS
OF UNUSUAL AERIAL SIGHTINGS BY MR P.H. STEWART AND
CONST M.J. HARNETT,



SIGNATURE 	NAME R. R. S. PIERS	RANK FLT LT UFO OFFICER	APPOINTMENT 224b	PHONE NO
--	------------------------	----------------------------	---------------------	----------

OG	Adm SO	Adm SO
1	K	
HOPIA		
BSPFA		
2 FIS		
3 YELU		
25 SQN		
SPECIAL INSTRUCTIONS		

RECEIVED
27 NOV 1973

Bencullen
Wandering
630 P
21-11-73

The Commanding Officer.
L.A.A.F.
Pearce;

Dear Sir,

I am writing to you as requested by the Boddington Police to describe my experiences with a U.F.O on Tuesday 20th Nov,

I left a meeting of the Wandering Fire Control officers at about 9.45 pm and travelled back to my farm about 10 miles away. After going for about two miles I noticed a bright object moving into the sky above the horizon and immediately on the L.H.S. of the road. The road is full of hedges and it soon became apparent that the object was always in the same relative position, occasionally it would accelerate ahead but soon ease back.

When I reached my entrance I turned down the drive and became alarmed when

the object started following me and was now on my R.H.S. The house is about $\frac{1}{2}$ mile from the road and situated in a hollow.

I could see the light now stationary through the trees and focused my stock telescopic on the object. It appeared as just a bright light but slightly more resolved than viewing with the naked eye.

My wife was out at the time and a young college student now working for me; 16 y.o. came out and verified the light through the trees, still stationary.

Immediately then rang the Boddington Police and told them I thought the object, the way it was behaving, could still be here in the time it takes to get to my property (25 mts away).

Upon going outside the light had disappeared and after waiting at the house for about ten minutes I decided to drive back to the front entrance and wait for the police.

My employee now accompanied me and I felt sufficiently alarmed to bring my 3yo child with me.

Whilst driving back the object re-appeared; followed us to the entrance and then appeared

to move up to where I have some grain silos on the hill; where my employee & self watched it for about fifteen minutes, it was albing in brightness as if moving towards us and then back away again, it was also moving from left to right and up and down.

There was no noise, no vapour or exhaust and the object, whilst bright, emitted no beam similar to spot light or car headlights.

Soon in the distance we saw the glow of headlights down the road and thought it was the Police, as this vehicle moved along the road past our entrance we again sighted the object at ground level, skimming towards us and almost parallel to the road.

If distance could be assessed accurately I would estimate it came to within fifty yards from us and was the size of a large soccer ball. The internal light seemed to be oscillating & rotating.

At this moment we were both extremely alarmed to say the least. The object then vanished.

The police arrived within five to five minutes of this final incident and informed us that they had seen a UFO. Four miles from Boddington. No more was seen of the object.

I have been farming in this area for 9 years, and have always been sceptical of reported sightings in the press. My employee is asked to give an independent account of what he saw.

I would be interested to hear your comments on this sighting.

Yours faithfully

Peter. H. Hewitt

B. Sc. Agric.

REPORT ON UNUSUAL AERIAL SIGHTINGPart 1 - Report by observer

(As a preliminary to completing this form, the observer is invited to describe the sighting in his or her own manner, using either separate sheets or the back of this form)

1. Name of Observer... PETER H. STEWART Age... 33
2. Address of Observer... 'Bencullen' Wandering. WA
..... Phone No. Bannister North 1K
3. Occupation of Observer... Farmer
4. Date & Time of start of Observation... 20 Nov 73 2145 Hours
How certain is the date?..... certain
How accurate is the time of start ?... certain
5. Duration of the observation..... 15 mins
How accurate is your estimate? rough
6. Observers' location at the time of sighting.....
..... three miles from Wandering
How familiar is the observer with this locality ? fairly
7. Weather conditions at time of observation... windy and occasional cloud
.....
8. Describe any aids/equipment used in the observation.....
..... a pair of binoculars (x8)
9. Where was object first observed?
a. Relative to your surroundings... to the SW
.....
b. Angle of elevation..... 20°
c. Compass angle bearing... SW
d. How accurate are these estimates ? ... rough
10. What first attracted observers' attention ? ,... the brightness
.....

11. If there was more than one light/object:
 - a. How many were there ?**only one**.....
 - b. In what formation were they ?
12. What was the colour of the light or object ? ...**starry blue**.....
13. What was the brightness ? (compare with full moon or common light source at a stated distance; eg ordinary street light at 100 yards)

.....**not quite as bright as light at 100 yds**.....
14. What was the apparent size at the nearest approach ? :
 - a. Relative to Venus or Moon.....**Same as venus**.....
 - b. Relative dimensions in inches at arm's length (about 20 inches from eyes)

..... **$\frac{1}{8}$ "**.....
15. What were the bearing and elevation angles at the nearest approach and how these values assessed ?

..... **20° SW**.....
16. Was any method of propulsion obvious ?**NONE**.....
17. Describe any sound heard, including changes in pitch and intensity

.....**NONE**.....
18. What was the maximum and minimum angle of elevation (or height, if an estimate can be justified) ?

..... **$20^{\circ} - 10^{\circ}$**
19. What was the maximum and minimum angular velocity (or speed, if an estimate can be justified) ? If necessary, compare with the movement of familiar objects at a stated distances

.....**same as car 400 y doing 10 mph**.....
20. Give duration of any stationary phases..... **$\frac{1}{4}$ hr**.....
21. Describe any deviations or manoeuvres.....**intermittently moved around in the same spot.**.....
22. Describe any trail of exhaust, vapour or light seen.....

.....**NONE**.....
23. Where was objects last observed ? :
 - a. Relative to your surroundings**in a NW direction**.....
 - b. Angle of elevation.....**around level 150 y**.....
 - c. Compass angle bearing

24. What was the manner of its disappearance ?
-
25. Do you know of any associated physical evidence (such as fragments, photographs, scorching, ground indentations, residual magnetism or radioactivity, etc)
-
26. State any training which enables observer to be reasonably certain of his/her ability to estimate angles and angular velocity.
27. How many of witnesses to the sighting ? ... one other
28. Do you know of witnesses to similar sightings in the area.....
- The police
29. What natural phenomenon (or phenomena) would be nearest to explaining your observation ?
- star over horizon
30. What are your main reasons for excluding this explanation ?
- it appeared to move
31. Please sketch the light/object with all details. If appropriate, sketch position and/or movement of object in relation to your surroundings. Use back of form if needed.

Signature.....

Date.....

Part 2 - Unit Evaluation

32. The following military aircraft were in the vicinity of the reported UFO position at the time: NIL

A/C type(1).....(2).....(3)
 HeadingT.....T.....T
 Height,000 ft,000 ft,000 ft
 SpeedK.....K.....K
 ATD/ATA*.....hrs.....hrs.....hrs

33. The following civil aircraft were in the vicinity of the reported UFO position at the time: NIL

A/C type(1).....(2).....(3)
 Heading.....T.....T.....T
 Height.....,000 ft.....,000 ft,000 ft
 SpeedK.....K.....K
 ATD/ATA*hrs.....hrs.....hrs

* Give location of nearest ATD or ATA.

34. Observer's Location: Latitude 32°44'.... Longitude 116°30'....

35. Give bearing and elevation of any planets and major stars that were in that position of the sky at that time. By day, give location of Venus only.

VENUS ALT 91° AZ 246°

36. A meteorological balloon was released from GUILDFORD

at 201000...Z. Colour WHITE...Weight 350...gm

Radio-sonde **/ radar**:

Candle **/ battery** (** Delete as required.)

General wind profile 20 50 70 100 120 180 340 530
09/16 12/26 12/22 01/18 29/22 30/42 29/94 22/52

Maximum height tracked,000 ft atZ

Was it known to have burst? YES

37. The first significant temperature inversion was of 1°C

at 6,400ft, measured at 21100...Z hrs from GFD.....
station.

38. Any remarks on satellites, rockets, research balloons, comets, meteorites etc relevant to the sighting.

NIL

39. When identified as possible aircraft, include radar trace if available, and ascertain which of the aircraft lights were operating.

NA

40. The cause (or likely cause) of the sighting can*/~~cannot~~* be determined.

41. The object reported probably was*/~~may have been~~*
(delete as required)

VENUS

42. MR. STEWART MOVED ALONG THE SAME ROUTE THE FOLLOWING NIGHT AND SAW THE SAME OBJECT. HE WAS THEN FAIRLY CONVINCED HE HAD SEEN A STAR.

HQ PFA

(Unit)

10 DEC 73

(Date)

R. PIVERS

(Name of Investigating Officer)

FLB OFF

(Rank)

20 Nov 73

D 1660

SIGHTING # 8

BODDINGTON
WA

M. J. HARNETT

FROM

DEFAIR

FILE

5801/1 P33(RB) 1 MAR 74

DATE

REFERENCES

HOPEA S/A/AIR P-6(S)
OF 20 JAN 73

TO

HOPEA

ATTENTION

Flg Off Pyers

SUBJECT

REPORTS OF UNUSUAL A-200 SIGHTINGS

Enclosed, for your records, is a copy of a letter to F/Class Constable M.J. Harnett in reply to his report of an unusual aerial sighting.

Enclosure

Copy of letter to F/Class Constable M.J. Harnett.

SIGNATURE

M. GRETTON

NAME

M. GRETTON

RANK

FLG OFF

APPOINTMENT

IR. J

PHONE NO

2408

580/1/1 Pt33 (18a)

20 FEB 1974

F/Class Constable M.J. Harnett,
C/- Police Station,
BODDINGTON. W.A. 6390

Dear Sir,

Your report of an unusual aerial sighting on 20th November 1973, has been received, and the investigating team believes that the most probable cause of the sighting, was a phenomenon known as 'Ball Lightning', or 'Kugelblitz'.

To explain the phenomenon, the following detail has been extracted from the Report of the Scientific Study of Unidentified Flying Objects, carried out in the U.S.A. by Dr Edward Condon, for the U.S. Air Force:

'Among the most mysterious manifestations of atmospheric electricity is the phenomenon of ball lightning, or Kugelblitz. A glowing ball either (1) appears after a cloud to ground lightning flash and remains near the ground, or (2) is first seen in midair, descending from a cloud, or arising from no obvious cause, thereafter remaining aloft until it vanishes. Some 85% of observers agree that the size and brightness of the ball remains roughly constant throughout the period of sighting and that no changes occur, even immediately prior to its disappearance. A minority report brightening and colour changes. The colours red, orange and yellow are most common, but most other colours are seen occasionally. About 30% of observers detect internal motions or rotation of the ball itself, although this may depend on the distance from the ball to the observer. Several reports do indicate some guidance from telephone or power lines and by grounded objects.

The description given is closely identifiable to the American observers' descriptions, and no other 'normal' theory investigated by the team was feasible.

We trust that this explanation is satisfactory, and thank you for your interest.

Yours faithfully,

(G. J. ODGERS)
Director of Public Relations

Handwritten:
Lynn
HARRIS
26 Feb 74

Handwritten:
Leop. Leg. D/R
28.2.74

Handwritten signature/initials

Officer Commanding
R.A.A.F Pearce



Re Unidentified Light, sighted about
4 miles north east of Boddington and
to the west of the Boddington Bannister
Road.

I have to report that in consequence of attending a reported sighting of an Unidentified Flying Object on a Mr Peter STEWART'S farming property at North Bannister on the 20.11.73, whilst travelling to STEWART'S Farm and when about 4 miles north east of Boddington on the Bannister Road I sighted a strange light which appeared to be following the Police Vehicle.

This light gave off an amber coloured light that changed to blue and back to amber frequently.

The light was about twice the size of a car headlight but did not show any beam. It appeared to be travelling along in a south-north direction following a line of hills which were to the west of my position and about 1 mile away.

The light was first seen at about 10.20pm on the 20.11.73 by me and appeared to follow the Police vehicle for about 2 miles. It then appeared to move off and stop about 1 mile ahead of the vehicle.

As we approached in line with it again it appeared to dip down into a gully and rise up and stopped.

Senior Constable NOONAN who was driving the Police Vehicle then stopped in line with the light and I alighted and observed it for about 3 minutes. S/Constable NOONAN also alighted and observed the light which then appeared to slowly dim and go out. Similar to a torch light with the battery going flat.

The light then suddenly reappeared in the same spot and was very bright. S/Constable NOONAN then put on the rear stop lights of the vehicle and the light went out and was not seen again.

The light was below the brow of the line of hills and there are no roads and it is very steep and rocky in the area.

The whole time the light was observed was about 6 minutes and appeared to be large and bright to be a star and also its position made it impossible to be a star.

After attending at STEWART'S property in which the light he described appeared to be similar to that seen by me, we returned to Boddington and on the way observed the evening star. This star disappeared below the line of hills in the area that I had seen the light and was not sighted for about 6 or seven miles when it reappeared about 1 mile from Boddington.

There is a farm house in the valley below where I sighted the light and inquiries there revealed they had not seen anything unusual. A search of the area was also made by Senior Constable NOONAN and myself the next morning, but nothing giving rise to the reason for the light could be found.

REPORT ON UNUSUAL AERIAL SIGHTINGPart 1 - Report by observer

(As a preliminary to completing this form, the observer is invited to describe the sighting in his or her own manner, using either separate sheets or the back of this form)

1. Name of Observer... F/Class Const M.J. Harnett Age... 33
2. Address of Observer... C/- Police Station Boddington
..... Phone No. Boddington 2
3. Occupation of Observer... Police Const
4. Date & Time of start of Observation... 10.20 pm 20 Nov 73
How certain is the date?..... certain
How accurate is the time of start ? accurate
5. Duration of the observation.... over 5 minutes
How accurate is your estimate? roughly
6. Observers' location at the time of sighting... 4 miles NE
..... Boddington on the Bannister Road
How familiar is the observer with this locality ? Very
7. Weather conditions at time of observation... Clear sky and dark.
..... Storm clouds about half an hour after
8. Describe any aids/equipment used in the observation.....
..... Nil
9. Where was object first observed?
a. Relative to your surroundings.... to the West
.....
b. Angle of elevation... 1 1/2" below the hills at arms length
c. Compass angle bearing.... 270°
d. How accurate are these estimates ? rough
10. What first attracted observers attention ? , brightness and position
..... of the light

11. If there was more than one light/object:
 - a. How many were there ? ... one
 - b. In what formation were they ? -
12. What was the colour of the light or object ? ... amber-blue
13. What was the brightness ? (compare with full moon or common light source at a stated distance; eg ordinary street light at 100 yards)

..... Car headlight at 100 yds
14. What was the apparent size at the nearest approach ? :
 - a. Relative to Venus or Moon..... Not quite as big as the moon
 - b. Relative dimensions in inches at arm's length (about 20 inches from eyes)

..... $\frac{1}{2}$ "
15. What were the bearing and elevation angles at the nearest approach and how these values assessed ?

.....
16. Was any method of propulsion obvious ? ... None
17. Describe any sound heard, including changes in pitch and intensity

..... None
18. What was the maximum and minimum angle of elevation (or height, if an estimate can be justified) ?

..... Up level with level of hill and down below into the gully
19. What was the maximum and minimum angular velocity (or speed, if an estimate can be justified) ? If necessary, compare with the movement of familiar objects at a stated distances

..... Moving with vehicle
20. Give duration of any stationary phases..... 3-4 mins
21. Describe any deviations or manoeuvres..... dipped down into gully
22. Describe any trail of exhaust, vapour or light seen... Nil
23. Where was objects last observed ? :
 - a. Relative to your surroundings NW direction
 - b. Angle of elevation..... just below the visible horizon
 - c. Compass angle bearing same as 23(a)

What was the manner of its disappearance ?

.....Went out like a flood light.

25. Do you know of any associated physical evidence (such as fragments, photographs, scorching, ground indentations, residual magnetism or radioactivity, etc)

.....None

26. State any training which enables observer to be reasonably certain of his/her ability to estimate angles and angular velocity.

.....None

27. How many of witnesses to the sighting ? ~~Other const. noticed it when the~~ the car stopped.

28. Do you know of witnesses to similar sightings in the area.....

.....RICHARD BERRY saw the same object on the 26th.

29. What natural phenomenon (or phenomena) would be nearest to explaining your observation ?

.....Nothing

30. What are your main reasons for excluding this explanation ?

31. Please sketch the light/object with all details. If appropriate, sketch position and/or movement of object in relation to your surroundings. Use back of form if needed.

INTERVIEWED OVER PHONE

Signature.....

Date.....

Part 2 - Unit Evaluation

32. The following military aircraft were in the vicinity of the reported UFO position at the time:

NIL
A/C type.....(1).....(2).....(3)
Heading.....T.....T.....T
Height.....,000 ft.....,000 ft.....,000 ft
Speed.....K.....K.....K
ATD/ATA*.....hrs.....hrs.....hrs

33. The following civil aircraft were in the vicinity of the reported UFO position at the time:

NIL
A/C type.....(1).....(2).....(3)
Heading.....T.....T.....T
Height.....,000 ft.....,000 ft.....,000 ft
Speed.....K.....K.....K
ATD/ATA*.....hrs.....hrs.....hrs

* Give location of nearest ATD or ATA.

34. Observer's Location: Latitude. *32° 33'* Longitude. *116° 27'*

35. Give bearing and elevation of any planets and major stars that were in that position of the sky at that time. By day, give location of Venus only.

N/A

36/ A meteorological balloon was released from *GUILDFORD*

at *201000* Z. Colour. *WHITE* Weight. *350* gm

Radio-sonde **/ radar ** : Candle **/ battery** (** Delete as required.)

General wind profile. *20 50 70 100 120 180 340 530*
09/16 12/26 12/22 01/18 29/22 30/42 29/24 23/52

Maximum height tracked.....,000 ft atZ

Was it known to have burst? *YES*

37. The first significant temperature inversion was of *1°* °C

at *6400* ft, measured at *201000* Z hrs from *GFD*
.....station.

38. Any remarks on satellites, rockets, research balloons, comets, meteorites etc relevant to the sighting.

NIL

/ 39. When an

39. When identified as possible aircraft, include radar trace if available, and ascertain which of the aircraft lights were operating.

..... NIA
.....

40. The cause (or likely cause) of the sighting ~~can~~ */cannot" be determined.

41. The object reported probably was * / ~~may have been~~*
(delete as required)

..... A- FIRE BALL
.....

I HAVE INTERVIEWED MR. R. BERRY AND AM STILL
AWAITING HIS WRITTEN DESCRIPTION. HE SEEMS TO HAVE
SEEN A VERY SIMILAR PHENOMENON.

..... HQ. PEA 10 DEC 73
(Unit) (Date)

..... R. R. J. PYERS FLG OFF
(Name of Investigating Officer) (Rank)

27 DEC 73

D 1660

SIGHTING # 17

TOUKLEY
NSW

MRS P. KELLY

FROM

DEFAIR

FILE

580/1/1 Pt 33 (17b)

DATE

3 Jun 74

REFERENCES

HOWLM 5/2/1A- (50)

OF 26 Feb 74

TO

HOWLM

ATTENTION

F10

SUBJECT

REPORTS OF UNUSUAL AERIAL SIGHTINGS

Enclosed, for your records, is a copy of a letter to Mrs P Kelly in reply to her report of an unusual aerial sighting.

Enclosure Copy of letter to Mrs P Kelly

SIGNATURE

NAME

RANK

APPOINTMENT

PHONE NO

M. CRETTON

F10000

R. 2

2408

580/1/1 Pt 33(17a)

Mrs P. Kelly,
51 Beaconsfield Street,
REVESBY, N.S.W. 2212.

2 JUL 1974

Dear Mrs Kelly,

Your report of an unusual aerial sighting on 27th December, 1973 has been received and the investigating team considers that the most probable cause was a phenomenon known as ball lightning.

In an article in 'Aviation Week & Space Technology' dated 22nd August, 1966 luminous plasmas of ionized air, a special form of 'ball lightning' generated by electric corona that occurs on high tension power lines under certain conditions, generally during or following thunderstorm activity, were discussed as a possible cause of numerous unusual aerial sightings at Exeter in New Hampshire, U.S.A. in 1965. There was a startling similarity between the reported characteristics of ball lightning and the sightings by many people in the Exeter area. For example:

- a. Colour: Ball lightning is multi-coloured, but red is the most predominant colour reported, followed by intense bluish-white and green. A vast majority of the sightings reported from Exeter said the object was red, while the remainder were either bluish-white, green, or a combination of all of these.
- b. Shape: Ball lightning normally is either spherical or ellipsoidal with many reports of a doughnut-shaped or ring configuration. The Exeter sightings were mostly round, oval-shaped or dome-shaped.
- c. Sound: Ball lightning is often accompanied by a sizzling or hissing sound. Exeter sightings reported that the UFO sometimes made a soft humming or hissing sound.
- d. Dynamics: Ball lightning has been reported as hanging motionless at times, yet able to move up, down and horizontally at extremely high speeds. It appears to move by rolling and gliding, often along electrical conductors or structures and frequently exhibits a spinning motion. The Exeter sighting reports said the objects often hovered over a fixed location, frequently power lines, often rolled or bounced along, sometimes exhibiting a spinning motion and would then appear to zoom off at great speed and disappear from sight.

/e. Lifetime:

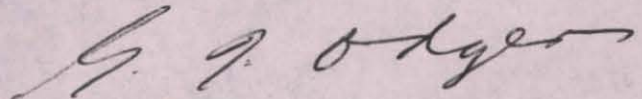
- e. Lifetime: Ball lightning reports indicate that they can have a lifetime ranging from several seconds to many minutes. Observers at Exeter reported that objects remained in view for a few seconds or as long as 15 min.
- f. Size: Ball lightning has been reported in sizes up to 15 ft. in diameter. Exeter observers estimated the size of objects sighted at from the size of a basketball to as much as 200 ft. in diameter.

The electric corona which generates the ball lightning is a luminous plasma caused by ionization of the air surrounding a transmission line or one of its insulators. If these are clean and suitably designed corona does not normally occur, however, if small particles of dust or salt crystals become affixed to the line or insulators they can trigger the corona. Transmission lines near the ocean, therefore, are susceptible to corona.

The similarities between your sighting and those at Exeter, the proximity of the sighting to power lines and the ocean are sufficient for the investigating team to conclude that this special form of 'ball lightning' was the cause of your sighting.

We trust that this explanation is satisfactory and thank you for your report.

Yours faithfully,



(G. J. ODGERS)
Director of Public Relations

1/2 of 1/2
dispatched 2 Jul 74

Rab.

1/2 of 1/2
26 Jun 74

RESTRICTED



ROYAL AUSTRALIAN AIR FORCE

TELEPHONE: Newcastle 65 1221

Headquarters
RAAF Base
WILLIAMTOWN NSW 2314

26th February 1974

IN REPLY QUOTE 5/2/Air(50)

DATA
Department of Defence (Air Office)

For Information:

Headquarters Operational Command (Attention: CC Intel 0)

REPORT ON UNUSUAL AERIAL SIGHTING

1. Forwarded herewith is a report on an unusual aerial sighting observed by a Mrs P. Kelly of 51 Beaconsfield Street Revesly NSW 2212 during a Christmas Holiday at The Entrance. The sighting, observed at 2100 hours local, took the form of a "V" of red lights, on which multi-coloured lights became visible as it flew overhead. Mrs Kelly was "petrified" by this stage and beat a hasty retreat, without making further observations.
2. Weather at the time of sighting was: Thunderstorms since 2020 hours, with a violent thunderstorm in The Entrance area at 2130 hours. Cloud base was 6-7000 feet, visibility was 4-8 nautical miles, air temperature was 24°C, having dropped from 31°C during the afternoon. There was a 2°C temperature inversion from 25500-26000 feet.
3. Cause of the sighting was most likely a spectral breakdown of white light into red, orange, yellow, green, blue, indigo and violet lights, with a possible diffraction grating caused by ionization of the air.
4. Forwarded for your further investigation.

ASL
(A.F. BLACKBURN)
Flight Lieutenant
for Officer Commanding

RESTRICTED



BOMBARDIER
BOMBARDIER

MADE IN AUSTRALIA

51 Beaconsfield St,
Keweenaw, 2212
20th February, 1974

Director of Public Relations
Royal Australian Air Force Base,
Williamtown 2301.

Dear Sir,

I have been advised by the Directorate
of Airforce Intelligence, Canberra, to complete
& forward to you the enclosed document
for investigation.

Thanking you,

Yours faithfully

(Mrs) P Kelly.



Enclosure
Copy only

51 Beaconsfield St.
Kewbury 2212

21st January, 1974

Directorate of Airforce Intelligence
Dept. of Air,
Russell Offices,
Canberra. A.C.T. 2600

Dear Sir,

To day I contacted the Air Force Personnel Dept. Sydney for an explanation of my following experience of what we think was a U.F.O. & they advised me to write you on the matter.

On Thursday 27th December, 1973, my girlfriend, our five children & I were returning home to our week-enders from an outing to The Entrance, when the children wanted to know what were some red lights in the sky in front of us. My friend (Mrs. Bray) explained to the children

that they were lights from a Root Isle machine that works along the coast, but as we came closer we realized these marks were further on towards Buckley so we didn't really know what this stationary object was. I was driving & really couldn't get a good view of it & I decided that as there was no other cars on the road, I would stop so that I could see it better. As I slowed the car down this object appeared to come over in our direction. Our view at this point was as if it was an unfinished triangle ~~with~~^{with} red lights, then as it was over the car I looked out of my window (drivers) to see coloured lights (red blue & green) in shapes in front of the 'V' like ~~wood~~^{wood}, we were all petrified in the car when this happened & Mrs Gray could not see it at this time. My fleeting glimpses as I quickly drove away could not describe more ~~at~~ but there was more to see than I.

could comprehend in the moment so in all I must now that I hadn't panicked & had got a better view of it.

The small planes fly quite low up there & I think they are shark spotter planes but I'm not sure. This object was much lower than the ordinary planes fly & my friend Mrs Bray thought it would be the size of the small plane when she was viewing it in front but when it was over the car it seemed to me to be the size of a house.

This all happened about 9.15 PM after an afternoon & evening of severe storms. The night was very black & very light showers.

There had been other traffic on the road but absolutely no cars prior & after this incident.

This object had no sound at all & as we quickly made our exit from

4.

the area it moved out towards the sea.

We have not reported this before as we didn't know who to notify so one of my friends advised me to contact the Air Force.

I do hope you can find an explanation & advise me.

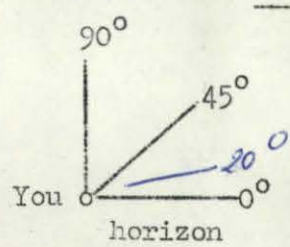
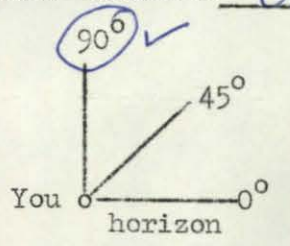
Yours faithfully

(Mrs). P. Kelly.

TEL. 77-6697 Sydney.

REPORT OF UNUSUAL AERIAL SIGHTING

Part 1 - Report by Observer

1. Name of observer Mrs. PHYLLIS KELLY Age 37
Address 51 Beaconsfield St.
REVESBY State NSW Post Code 2212
Occupation HOME DUTIES & PART TIME TYPIST
Telephone No. (home) 77-6697 (business) 587-7222 -EXT. R7A.
2. a. Exact location of observer front seat of car (DRIVER)
b. Observer's familiarity with the location very good.
3. Start of observation: Date 27.12.73 Time 9 59.15 am/pm
End of observation : Date 27.12.73 Time 15 mins am/pm
4. Accuracy of date Exact. Times accurate
5. General weather conditions of time of observation, referring to cloud, wind, visibility etc. Cloudy, intermittent rain, Thunder & Lightning
6. a. In what direction was the sighting first observed? North
b. At what angle to the horizon?

7. a. In what direction was the sighting last observed? East
b. At what angle to the horizon?

8. Estimate of distance and/or altitude from observer As high as a very low flying light plane.
9. How were the answers to questions 6, 7 and 8 assessed, and were aids or equipment used during the sighting? General assessment with no aids

10. Describe the object(s)/light(s) as follows:

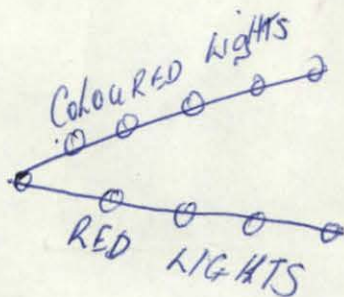
- a. number One, on first sighting then as we drew closer
b. colour Red, Blue Green & yellow ^{these were more}
c. size Large Spotlights
d. shape Round
e. brightness (relative to full moon/star) Brighter than full moon
f. movement/direction of travel Hovering - moving
slowing South to East.
g. sound NONE
h. speed slow to very fast.
i. method of propulsion No visible means of propulsion
j. manner of disappearance Very fast

11. a. Narrative description of the sighting and any unusual features or additional comments _____

Refer to enclosed letter.

/b. Diagram or sketch

b. Diagram or sketch of sighting (if possible)



SHAPE of going
TOWARDS IT



PART OF OBJECT WITH
COLOURED LIGHTS ALL OVER

12. Have you any photographs of the sighting, or is there any physical evidence of fragments, scorching or ground indentations? NO

13. How many other witnesses were there to the sighting?
(Please provide names and addresses if possible)

Mrs. J. BRAY, 51 JOHNSONE ST., PEAKHURST.

Five children - ages 12, 10, 2x9 & 5 yrs.

14. Have you previously made any reports to official authorities or UFO organizations regarding unusual aerial sightings? If so, give brief details of dates and circumstances. NO

Date 18. 2. 74

Signature P. Kelly

RESTRICTED

Part 2 - Unit Evaluation

32. The following military aircraft were in the vicinity of the reported UFO position at the time:
A/C type.....*N/A*.....(1).....(2).....(3)
Heading.....T.....T.....T
Height.....,000 ft.....,000 ft.....,000 ft
Speed.....K.....K.....K
ATD/ATA*.....hrs.....hrs.....hrs
33. The following civil aircraft were in the vicinity of the reported UFO position at the time:
A/C type.....*N/A*.....(1).....(2).....(3)
Heading.....T.....T.....T
Height.....,000 ft.....,000 ft.....,000 ft
Speed.....K.....K.....K
ATD/ATA*.....hrs.....hrs.....hrs
* Give location of nearest ATD or ATA.
34. Observer's Location: Latitude.....*Between the Entrance and Temple*.....Longitude.....
35. Give bearing and elevation of any planets and major stars that were in that portion of the sky at the time. By day, give location of Venus Only
.....*N/A*.....
.....
.....
36. A meteorological balloon was released from.....*N/A*.....
at.....Z...Colour.....Weight.....gm
Radio-sonde**/radar**; Candle**/battery** (** delete as required)
General wind profile.....
Maximum height tracked.....,000 ft atZ
Was it known to have burst?.....
37. The first significant temperature inversion was of *2*.....°C at
25,500-26,000 ft, measured at *1.000*.....Z hrs from *Williamstown*
meteorological.....station.
38. Any remarks on satellites, rockets, research balloons, meteorites etc relevant to the sighting.....*N/A*.....
39. When an aircraft is a possible identification, include radar trace if available, and ascertain which of the aircraft lights were operating
.....*N/A*.....
.....
40. The cause (or likely cause) of the sighting can*/cannot* be determined.
41. The object reported probably was*/~~may have been~~* (delete as required)
spectral breakdown of white light.....
.....
.....*H & WLM*.....(unit)*A F BLACKBURN*.....(Name)
.....*26 FEB 74*.....(date)*FLT LT*.....(Rank)

580/1/1 Pt 33 (17a)

14 FEB 1974

Mrs P. Kelly,
51 Beaconsfield Street,
REVESBY. N.S.W. 2212

Dear Madam,

We have received your letter dated 21st January 1974 reporting an unusual aerial sighting.

To enable a full investigation to be conducted into this sighting, would you please complete the enclosed form and forward it to Royal Australian Air Force Base Williamtown. Following investigation of the sighting you will be advised of the outcome.

Thanking you for your interest.

Yours faithfully,

G. J. Odgers

(G. J. ODGERS)
Director of Public Relations

*Sp. Copy
DWH
13 Feb 74*

Disp by H12

14.2.74

to

51 Beaconsfield ST,

Kewesley 2212.

21st January, 1974

Directorate of Airforce Intelligence
Dept. of Air,
Russell Offices,
Canberra. A.C.T. 2600

Dear Sir,

To day I contacted the Air Force Personnel Dept. Sydney for an explanation of my following experience of what we think was a U.F.O. & they advised me to write you on the matter.

On Thursday 27th December, 1973, my girlfriend, our five children & I were returning home to our week-enders from an outing to The Entrance, when the children wanted to know what were some red lights in the sky in front of us. My friend (Mrs. Bray) explained to the children

that they were lights from a Root Isle machine that works along the coast, but as we came closer we realised these marks were further on towards Buckley so we didn't really know what this stationary object was. I was driving & really couldn't get a good view of it & I decided that as there was no other cars on the road, I would stop so that I could see it better. As I slowed the car down this object appeared to come over in our direction. Our view at this point was as if it was an unfinished triangle ~~with~~^{with} red lights, then as it was over the car I looked out of my window (drivers) to see coloured lights (red blue & green) in shapes in front of the 'V' like "~~shape~~", we were all petrified in the car when this happened & Mrs Bray could not see it at this time. My fleeting glimpses as I quickly drove away could not describe more ~~but~~ but there was more to see than I

could comprehend in the moment so in all I must now that I hadn't panicked & had got a better view of it.

The small planes fly quite low up there & I think they are shark spotter planes, but I'm not sure. This object was much lower than the ordinary planes fly & my friend Mrs Bray thought it would be the size of the small plane when she was viewing it in front but when it was over the car it seemed to me to be the size of a house.

This all happened about 9.15 PM after an afternoon & evening of severe storms. The night was very black & very light showers.

There had been other traffic on the road but absolutely no cars prior & after this incident.

This object had no sound at all & as we quickly made our exit from

4.

the area it moved out towards the sea.

We have not reported this before as we didn't know who to notify so one of my friends advised me to contact the Air Force.

I do hope you can find an explanation & advise me.

Yours faithfully

(Mrs) P Kelly

TEL. 77-6697 Sydney.

8 JAN 74

SIGHTING #16

ALBERT PARK
VIC

P.J. QUINN

FROM DEFAIR	FILE 5801.1.P-33(165) REF B74	DATE 18 FEB 74	REFERENCES HOSC 5/6/1 AIR(25) DE 15 JAN 74
TO HOSC ATTENTION INT 1			
SUBJECT REPORTS OF UNUSUAL AERIAL SIGHTINGS			

Enclosed, for your records, is a copy of a letter from this Department to Mr P.J. Quirk in reply to his report of an unusual aerial sighting.

ENCLOSURE: Copy of letter to Mr P.J. Quirk

SIGNATURE M. CRETTON	NAME M. CRETTON	RANK FLC OFF	APPOINTMENT IR.2	PHONE NO J408
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580/1/1 Pt33 (16a)

14 FEB 1974

Mr P.J. Quirk,
111 Beaconsfield Parade,
ALBERT PARK. VIC. 3206

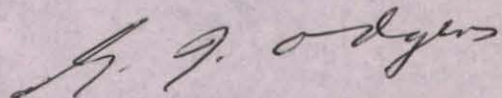
Dear Sir,

Your report of an unusual aerial sighting on 8th January 1974, has been investigated and the investigating team considers that the most probable cause was the lights of an aircraft.

During the period of your sighting a Boeing 707 was practicing take-offs and landings at Avalon airfield and from your viewpoint it would have been visible at intervals of about 10 minutes. The red light was probably the port navigation light, which would appear to increase in magnitude when viewed through the polluted lower layers of the atmosphere.

We trust that this explanation is satisfactory and thank you for your report.

Yours faithfully,



(G. J. ODGERS)

Director of Public Relations

*Explains
DASH
13 Feb 74*

*Resp by DASH
14.2.74
do*

FROM HSS.	FILE 5/6/1 Air (25)	DATE 18 JAN 74	REFERENCES DEPT OF AIR 580-1-1 PAF 1 27-1-73
TO DAFI DEFAIR	ATTENTION DAFI 122		
SUBJECT UNUSUAL AERIAL SIGHTING			

Enclosed is an unusual aerial
sighting report from Mr. P.J. QUIRK
of ALBERT PARK.



SIGNATURE 	NAME R.O. GIBBS	RANK FLIGHT	APPOINTMENT INT 1	PHONE NO 7410
---------------	--------------------	----------------	----------------------	------------------



RECEIVED
WET REGISTRY
CANBERRA
22 JAN 1974

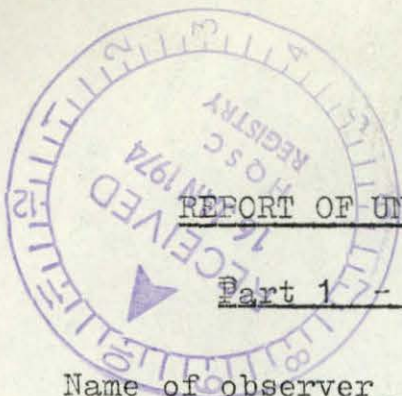
RECEIVED
WET REGISTRY
CANBERRA

RECEIVED

RECEIVED

RECEIVED

RECEIVED



REPORT OF UNUSUAL AERIAL SIGHTING

Part 1 - Report by Observer

1. Name of observer PHILIP JOHN QUIRK Age 26
Address 111 BEACONSFIELD DRD
ALBERT PARK State VIC Postcode 3206
Occupation CLERK
Phone (home) NIL (business) 949 6585
2. Exact location of observer FRONT PORCH OF
111 BEACONSFIELD DRD, ALBERT PARK
3. Start of observation: Date 8/1/74 Time 9:55 am/pm
End of observation: Date 8/1/74 Time 10:00 am/pm
4. Accuracy of date DEFINITE Times DEFINITE
5. Weather conditions at time of observation, referring to cloud, wind, visibility etc NIL CLOUD, SLIGHT
WIND, EXCELLENT VISIBILITY
6. In what direction was the sighting first observed? NORTH/WEST
At what angle to the horizon? 20°

You

90°

45°

0°

Horizon
7. In what direction was the sighting last observed? NORTH/WEST
At what angle to the horizon? 20°

You

90°

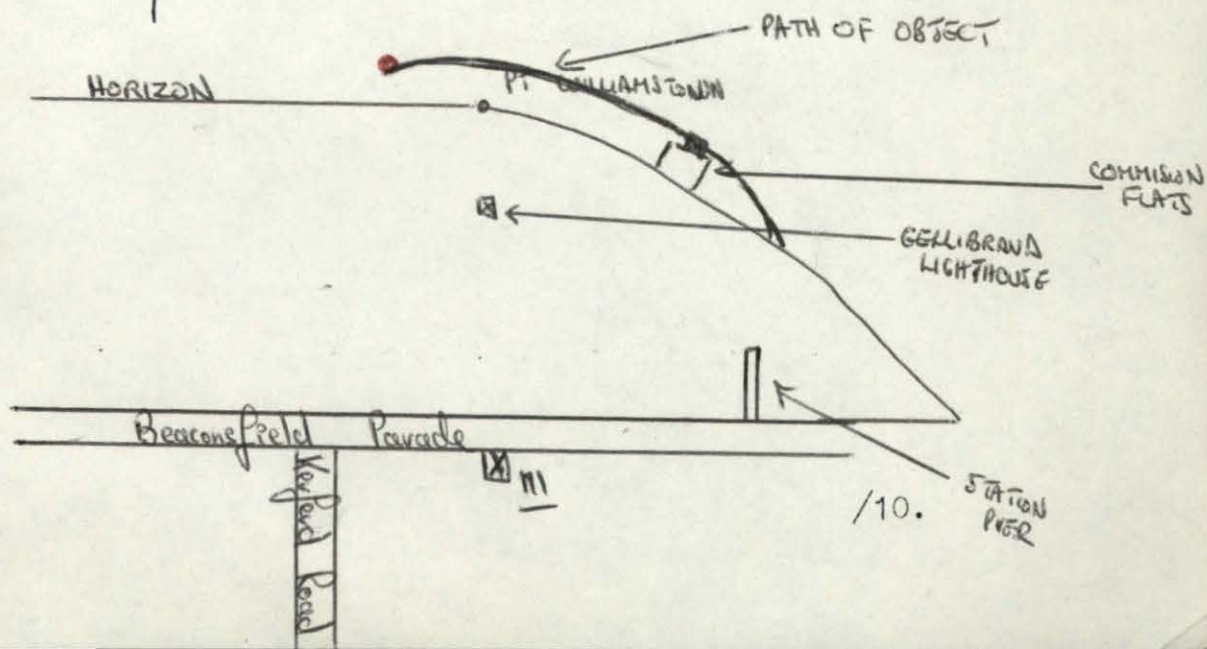
45°

0°

Horizon
8. Estimate of distance and/or altitude from observer
40 MILES
9. Describe (overleaf) the object(s)/light(s) in your own words, referring to the number, colour, size, shape, brightness (relative to full moon/star), movement, sound, speed, method of propulsion, manner of disappearance and any other unusual features. If possible provide sketch.

CINT 220 /9. (cont'd)
5/6/1/41K

My wife and I were sitting on a bench by the sea when we sighted a strange glowing light which was moving from the West to the North, as we live opposite the sea we immediately went home so I could use our telescope (TASCO 15x30x45x60 MILL) to obtain a better view. By the time we set the telescope up the object had disappeared, however after approx 6 minutes the object appeared again at about 10° on the horizon rose to a height of 20° and disappeared. The object in question repeated this procedure every 6 minutes for approx 1 hour. On the last sighting the object changed direction it started going North after about 5 secs it changed direction and reversed to a Westerly direction for another 10 secs and then reversed again and disappeared. The object was a large red ball and appeared to be very solid, even though I had the telescope on full magnification I could not get a clearer picture as there appeared to be a haze surrounding it. (Please see below for a sketch) In the middle of the large red ball was a definite black spot.



10. Have you any photographs of the sighting, or is there any physical evidence of fragments, scorching or ground indentations? NO

11. How many other witnesses to the sighting? (Please provide names and addresses if possible)

ONE WITNESS - (WIFE)

KAREY QUIRK

111 BEACONSFIELD PRO ALBERT PARK

12. Any additional comments you wish to make.

As you will see from the sketch the ~~object~~^{object} never appeared exactly on the horizon but a few degrees above it. I cannot explain this but the object appeared as if coming from a great distance and then started to move across to the North. I would say that the object was a great distance away as it appeared to ~~se~~ fade a few times and just before disappearing it got harder and harder to see and then vanished.

Date 14/1/74

Signature R Quirk

Part 2 - Unit Report

1. a. Details of military aircraft in the area at the time of sighting.

EBT

Type	Heading	Height	Speed	Departed from	ATD	Destination	ATA
707					2100		2359
	2 full stops 20 tough & goes						
	abt 10 minute intervals						

Source of information QANTAS AVALON

- b. Details of civil aircraft activity, including light private aircraft and international flights, in the area at the time of the sighting.

Type	Heading	Height	Speed	Departed from	ATD	Destination	ATA

Source of information RAAF HESS

2. Give the bearing, elevation and movement of any planets or major stars that were in that portion of the sky at the time of the sighting.

Source of information _____

3. Details of any predicted satellites, rockets, comets or meteorite activity in the area at time of the sighting.

Source of information _____

4. Details of any meteorological, research or radar balloons known to have been in the area at the time of sighting (refer to point of release, size, colour, ROC, wind profile and whether it was known to have burst)

Source of information _____

5. Details of any unusual radar traces or images which may relate to the sightings, as recorded by military or civil networks

Source of information _____

6. Provide the following information relating to the weather and atmospheric conditions at the time of the sighting:

Temperature (dry bulb) 23 °C (wet bulb) 14 °C ^{DP 14°C} Relative Humidity 57 %

Cloud Cover Nil type _____

Temperature inversion of 6 °C at 2200' base 4,000' top 0900 PM hrs
from LAV

Wind direction 360° @ 22 kts at 3000 ft

030° @ 18 " at 5,000 ft

070° @ 26 " at 10,000 ft

060° @ 20 " at 15,000 ft

Pollution level _____

7. Details of terrain and natural and/or man-made features in the area (Attach map with significant points marked, if possible)

Part 3 - Investigating Officer's Evaluation

1. a. Date of interview _____
b. Place of interview _____
2. Names and addresses of persons interviewed (include phone numbers where applicable)
1. _____ 2. _____

3. _____ 4. _____

3. Narrative evaluation of personalities of witnesses (include any relationship with UFO organizations and their interest in subject matter).

4. Investigating Officer's evaluation of ~~possible~~ cause(s).

If port light, Observer probably couldn't detect starboard light when aircraft heading N. Could have been illuminated tailplane & N leg missed due a/c being lower to horizon on that leg.

HQSCU

(Unit)

R. O. G. IRBS

(Name)

18 JAN 74

(Date)

Flg Off

(Rank)

31 DEC 73

SIGHTING # 15

CANBERRA
ACT

P. LOVEDAY

FROM	FILE	DATE	REFERENCES
HQFBW	5/4/AIR(50)	17 JAN 74	
TO	INFO	ATTENTION	
DEFAIR	HQOC	DAFI	
SUBJECT			
UNUSUAL AERIAL SIGHTING			

Forwarded herewith is a report by
PLT OFF G. N. HOSKING 34 Sqn following his
investigation of an alleged unusual
aerial sighting.



~~Not~~
No reply required.
Mr. Hovaday was advised
cause by telephone.

20 FEB 74

[Signature]
R-2

SIGNATURE	NAME	RANK	APPOINTMENT	PHONE NO
<i>[Signature]</i>	D. J. Gordon	WGCN	Admiral So	248

REPORTS ON UNUSUAL AERIAL SIGHTINGS

Part 1 - Report by Observer

(As a preliminary to completing this form, the observer is invited to describe the sighting in his or her own manner, using either separate sheets or the back of this form)

1. Name of Observer..... *Peter Loveday* Age *48*
2. Address of Observer..... *32 Hackett Gdns. Waver*
 Phone Number *489342*
3. Occupation of Observer..... *Remark ANU*
4. Date & Time of Start of Observation..... *31 Dec '73, 10-15pm EST*
 How certain is the date?..... *quite clear*
 How accurate is the time of start?..... *within about 2 mins*
 5. Duration of Observer..... *about 3-4 mins*
 How accurate is your estimate?..... *± 1 min*
 6. Observer's location at time of sighting..... *at above*
 *address*
 How familiar is observer with this locality?..... *resident*
 7. Weather conditions at time of observation
 *dark + clear sky. Wind?*
 8. Describe any aids/equipment used in the observation.....
 *none*
 9. Where was object first observed?
 a. Relative to your surroundings..... *high in NW sector of sky moving east, observation broken to call son, at approx zenith of trajectory + then high in NW sky & across from N to South vanishing to SE.*
 b. angle of elevation..... *known*
 c. compass angle bearing..... *known*
 d. how accurate are these estimates?..... *not relevant*
 10. What first attracted observer's attention?..... *Moving object like star but too fast - assumed it was artificial satellite.*
 11. If there was more than one light/object ; *Assumed only one + then later realised probably 2.*
 a. how many were there?.....

- b. in what formation were they?.....
12. What was the colour of the light or object?..... *White*.....
13. What was the brightness? (compare with full moon or common light source at a stated distance, eg ordinary street light at 100 yards)..... *About brightness of Saturn to naked eye*.....
14. What was the apparent size at nearest approach? ;
- a. relative to Venus or Moon..... *Slightly smaller than Venus*.....
- b. relative dimensions in inches at arm's length (about 20 inches from eyes)..... *2x*.....
15. What were the bearings and elevation angles at nearest approach and how were these values assessed?..... *70-80° to Horizontal on 1st sighting & roughly NNW*.....
16. Was any method of propulsion obvious?..... *No*.....
17. Describe any sound heard, including changes in pitch and intensity..... *No*.....
18. What was the maximum and minimum angle of elevation (or height, if an estimate can be justified)?..... *Moved from above angle of elevation & then after supposed change of direction, moved almost directly overhead & vanished at angle of about 30-40° elevation in SSE direction*.....
19. What was the maximum and minimum angular velocity (or speed, if an estimate can be justified)? If necessary compare with the movement of familiar objects at stated distances.....
-
20. Give duration of any stationary phases..... *None*.....
21. Describe any deviations or manoeuvres..... *See later on*.....
22. Describe any trail of exhaust, vapour or light seen..... *No*.....
-
23. Where was object last observed? :
- a. relative to your surroundings.....
- b. angle of elevation..... *See above*.....
- c. compass angle bearing.....
24. What was the manner of it's disappearance?..... *faded out in large over night sky*.....
-
25. Do you know of any associated physical evidence (such as fragments, photographs, scorching, ground indentations, residual magnetism or radioactivity, etc)..... *No*.....
-

26. State any training which enables observer to be reasonably certain of his/her ability to estimate angles and angular velocity.
Recent interest in radio telescope work & prior training in physics etc.
27. How many witnesses to the sighting?..... *2 (also seen for part only)*
28. Do you know of witnesses to similar ^{*}sightings in the area

29. What natural phenomenon (or phenomena) would be nearest to explaining your observation?
artificial satellite!
30. What are your main reasons for excluding this explanation
not excluded at all - but obvious explanation on reflection etc. - see later explanation re observation.
31. Please sketch the light/object with all details. If appropriate, sketch positions and/or movement of object in relation to your surroundings. Use back of form if needed.

* On Frid 11th similar sighting about 9.30 pm of what was identical in appearance, first sighted ~~at~~ NE of highest pt of - by moving east & then fading out. Kate, Family & friends saw it, Nicholas saw it in viewfinder of old 4" refractor telescope.

On first sighting I assumed it was artificial satellite & went indoors for a ~~few~~ ^{few} mins to call Nicholas to see it. He was watching TV. By time eyes readjusted to dark object had vanished. Then object was picked up again but travelling N-S, but W-E as I had first observed it. That was what made us suppose it could not have been an artificial ~~old~~ satellite, but the important point is that did not see it change direction. And consequently after phoning Fairbairn after it had vanished, we decided there were in fact 2 ~~re~~ artificial satellites one on a W-E course & one on N-S course, the former arriving overhead but slightly to the North, a few seconds before the latter did.

Part 2 - Unit Evaluation

32. The following military aircraft were in the vicinity of the reported UFO position at the time:

A/C TYPE...*NIL*.....(1).....(2).....(3)
Heading.....T.....T...../T
Height.../.....,000 ft.....,000ft.....,000ft
Speed.....K.....K.....K.
ATD/ATA*.....hrs.....hrs.....hrs

33. The following civil aircraft were in the vicinity of the reporting UFO Position at the time :

A/C type...*NIL*.....(1).....(2).....(3)
Heading.....T.....T.....T.
Height.....000ft.....000ft.....000ft
Speed.....:.....K.....K.....K
ATD/ATA*... ..hrs.....hrs.....hrs

* Give location of nearest ATD or ATA.

34. Observers Location: Latitude.....Longtitude.....

35. Give bearing and elevation of any planets and major stars that were in that position of the sky at that time.
By day, give location of Venus only.

.....*MARS DIRECTLY OVERHEAD / SATURN LOW IN EAST*.....

36. A meteorological ballon was released from...*FAIRBANKS*.....

at...*0900*...Z. Colour.....Weight.....gm

Radio-sonde **// radar **: *Candle* **// battery ** (**delete as required.)

General wind profile *EASTWINDY TO 3000' APPROX THEN N/NW.*

Maximum height tracked.....,000ft at.....Z

Was it known to have burst? *NOT RECORDED*

37. The first significant temperature inversion was of...*5500'* *NIL*

at.....FT, measured at.....Zhrs from.....

.....station.

38. Any remarks on satellites, rockets, research balloons, comets, meteorites etc relevent to the sighting.

.....*I have tracking stations reported approx 40 satellites or rockets in the area at the time of which 5-10 could be possibly visible to the naked eye.*

39. When identified as possible aircraft, include radar trace if available, and ascertain which of the aircraft lights were operating.

..... *N/A*

.....

40. The cause (or likely cause) of the sighting can* / ~~cannot~~ be determined.

41. The object reported probably ^{*WAS*} ~~was~~ / ~~may have been~~ *
(delete as required)

..... *one of the reported in #38*

.....

Mr. Looney reported in the article that he saw another a few nights later. This also ties in with the tracking station reports. He also stated that on looking back on the occurrence the objects he saw were probably satellites. I therefore conclude the reports with the assumption the articles were antipersonal space junk or satellites.

[Signature] *15 JAN 74*

..... *3450N* *15 JAN 74*
(Unit) (Date)

..... *G. N. HOSKING* *PLT OFT*
(Name of (Rank)
Investigating Officer)

4/5 JAN 74

SIGHTING # 14

TOWNSVILLE
(DND)

L. W. ONLEY
G. J. DAVEY

FROM DEFAR	FILE 580/1/1 P.33(14c)	DATE 1 MAR 74	REFERENCES HOTVL 5/40/AIR(75) OF 14 JAN 74 HOTVL 5/40/AIR(74) OF 13 NOV 73
TO HOTVL	ATTENTION FIO		
SUBJECT REPORTS OF UNUSUAL AERIAL SIGHTINGS			

Enclosed, for your records, are copies of letters to Messrs G. J. Davay, h. W. Onley and F. A. Fraser in reply to their reports of unusual aerial sightings.

ENCLOSURES Copies of letters to Messrs G. J. Davay, h. W. Onley & F. A. Fraser

SIGNATURE M. CRETTON	NAME M. CRETTON	RANK FAC OFF	APPOINTMENT 12.2	PHONE NO 2408
-------------------------	--------------------	-----------------	---------------------	------------------

580/1/1 Pt33 (14b)

27 FEB 1974

Mr G.J. Davey,
Bureau of Meteorology,
Garbutt,
TOWNSVILLE. QLD.

Dear Sir,

Your report of an unusual aerial sighting at Garbutt on the 5th January 1974, has been investigated. The investigating team have concluded that the most likely cause of the lights described in your report was the re-entry decay of one of the 3037 man made objects currently in space.

A space vehicle launched in 1971 and designated 100E was known to have decayed and re-entered the atmosphere on the night of 5th January 1974, which was probably the cause of your sighting.

We trust that this explanation is satisfactory and thank you for your report.

Yours faithfully,

G. J. Odgers
(G. J. ODGERS)
Director of Public Relations

*HDH
26 FEB 74*

*Desp 4812
27.2.74
D*

580/1/1 Pt33 (14a)

Mr L.W. Onley,
94 Stagpole Street,
WEST END. TOWNSVILLE. QLD

27 FEB 1974

Dear Sir,

Your report of an unusual Radar contact detected on the Townsville 277F weather Radar on the 4th January 1974 has been investigated.

While recognizing your experience as a Radar operator the investigating team have concluded that the most probable cause of the unusual contact on the Radar was the effect of anomalous propagation which occurs when the temperature and moisture gradients are sufficient to produce echoes from atmospheric discontinuities. Phenomena similar to that described in your report has been recorded in a book entitled 'Scientific Study of Unidentified Flying Objects'. The book is a complete report on a U.F.O. Survey conducted by the University of Colorado under contract to the United States Air Force. This book also contains detailed information on other unusual effects which have been reported on weather and search Radars.

We trust that this explanation is satisfactory and thank you for your report.

Yours faithfully,

G. J. Odgers
(G. J. ODGERS)
Director of Public Relations

ADAMS
26 FEB 74
Resp by JMR
27.2.74
OK

~~RESTRICTED~~



ROYAL AUSTRALIAN AIR FORCE



Tel: 79-5666

Headquarters
RAAF Base
TOWNSVILLE QLD 4810

5/40/Air (78)

14th January 1974

DAFI-IR


Department of Defence (Air Office) (Attn: DAFI-IR)

For Information:

Headquarters Operational Command (ATTN: CIO)

UNUSUAL AERIAL SIGHTING REPORTS

1. Attached are two reports of unusual aerial sightings in the vicinity of Townsville on the night of 4th/5th January 1974.
2. Both reports were made by weather observers of the Bureau of Meteorology at Garbutt Airfield.


(P.J. HODGE)
Flight Lieutenant
for Officer Commanding

Enclosures: Two Reports



~~RESTRICTED~~



~~RESTRICTED~~

ANNEX B TO
HQOC 5/15/Air(36)
DATED 27JUL72

REPORT ON UNUSUAL AERIAL SIGHTING

PART 1 - Report by Observer

(As a preliminary to completing this form, the observer is invited to describe the sighting in his or her own manner, using either separate sheets or the back of this form).

1. Name of observer ONLEY Leslie William Age 40
2. Address of observer 94 STAGPOLE ST
WEST END TOWNSVILLE Phone 712462
BUREAU OF METEOROLOGY
3. Occupation of observer WEATHER OBSERVER GRADE 2
4. Date and time of start of observation 04 1050Z // 850Pm 4.1.74
How certain is the date? SHIFT 1430/2300K 4.1.74
How accurate is the time of start? ACCURATE
5. Duration of observation 10 MINUTES
How accurate is your estimate? ACCURATE
6. Observer's location at time of sighting METEOROLOGICAL RADAR
TYPE 277F GARBUTT AERODROME
How familiar is observer with this locality? 277F = 15 YEARS
TOWNSVILLE 5 1/2 years
7. Weather conditions at time of observation O'CAST - RAIN AREAS etc.
8. Describe any ~~aids~~/equipment used in the observation TYPE 277F RADAR
9. Where was object first observed:
 - a. Relative to your surroundings BEARING 280° ELEVATION 85-87°
 - b. angle of elevation 85/87° - LATER 90°
 - c. compass angle bearing 280° THROUGH 360° TO 140°
 - d. how accurate are these estimates PERFECT

~~RESTRICTED~~

~~RESTRICTED~~

-2-

10. What first attracted observer's attention? THERE ARE NO SIGNALS IN THIS AREA AT 11 NAUTICAL miles / 66000 FT HIGH AERIAL 85° TO 90° ELEVATION
11. If there was more than one light/object:
- a. how many were there? ONE
- b. in what formation were they? RADAR SIGNALS -
12. What was the colour of the light or object? NIL
13. What was the brightness? (compare with full moon or common light source at a stated distance, eg, ordinary street light at 100 yards)
-
14. What was the apparent size at nearest approach:
- a. relative to Venus or Moon
- b. relative dimensions in inches at arm's length (about 20 inches from the eyes)
15. What were the bearing and elevation angles at nearest approach and how were these values assessed? BY WORKING SLIDE RULE P/Bs 5000PS AT 85° = 4600 Feet.
16. Was any method of propulsion obvious?
17. Describe any sound heard, including changes in pitch and intensity
-
18. What was the maximum and minimum angle of elevation (or height, if an estimate can be justified)? FIRST SIGHTED 66000 FT DECENDED TO 4600 Feet IN TEN MINUTES (PILOT BALLOON SLIDE RULE / RADAR DISTANCES / WORKED OUT.
19. What was the maximum and minimum angular velocity (or speed, if an estimate can be justified)? If necessary, compare with the movement of familiar objects at stated distances RADAR DISTANCES USED
-
20. Give duration of any stationary phases NIL
21. Describe any deviations or manoeuvres SLIGHT SPIRAL THROUGH 280° 360° NORTH TO 140°
22. Describe any trail of exhaust, vapour or light seen NIL
-

~~RESTRICTED~~

~~RESTRICTED~~

-3-

23. Where was object last observed:
- a. relative to your surroundings RAДАР
 - b. angle of elevation 85/90°
 - c. compass angle bearing 140° TRUE
HEAVY PULSING OF ALL RAДАР SCANNERS PLUS
24. What was the manner of its disappearance? "A" SCAN BLOTTED TRACE
RAДАР PARKED & TURNED DOWN.
25. Do you know of any associated physical evidence (such as fragments, photographs, scorching, ground indentations, residual magnetism or radioactivity etc)
26. State any training which enables observer to be reasonably certain of his/her ability to estimate angles and angular velocity
I AM CAPABLE OF USING ALL METEOROLOGICAL RAДАRS
27. How many witnesses to the sighting? ONE
28. Do you know of witnesses to similar sightings in the area? VISUAL SIGHT
BY (2) TWO OFFICERS AT MET OFFICE AT 0150 AM 5TH.
29. What natural phenomenon (or phenomena) would be nearest to explaining your observation? UNUSUAL RAДАР ECHO (EXTREMELY LARGE ECHO)
30. What are your main reasons for excluding this explanation?
NIL
31. Please sketch the light/object with all details. If appropriate, sketch position and/or movement of object in relation to your surroundings.
Use back of form if needed.

Signature L. ONLEY

Date 10. 1. 74

SEE BACK. ~~RESTRICTED~~

RADAR. SCAN. NOTED 40° ARC, FROM. 90° DOWN
TO 50° THIS PARTICULAR RADAR. DOES NOT GO
OVER. 90° ELEVATION, AZIMUTH ARC MEASURED 40° ALSO
CLEAR. CUT SIGNAL, DIMENSIONAL ON "A" SCAN. -
RANGE 2500 YARDS. THROUGH. TARGET.
FIRST SIGHTED 66000 FT TRACKED TO 4600 FT.
WHEN HEAVY PULSING ON ALL SCANS BLOTTED
OUT SIGNAL, AND. RADAR. WAS PARKED
AND RAPIDLY TURNED DOWN.

Drury

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~~RESTRICTED~~

-4-

Part 2 - Unit Evaluation

32. The following military aircraft were in the vicinity of the reported UFO position at the time:
- A/C type NIL.....(1).....(2).....(3)
- HeadingT.....T.....T
- Height000ft.....000ft.....000ft
- SpeedK.....K.....K
- ATD/ATA*.....hrs.....hrs.....hrs
33. The following civil aircraft were in the vicinity of the reported UFO position at the time:
- A/C type NIL.....(1).....(2).....(3)
- HeadingT.....T.....T
- Height.....000ft.....000ft.....000ft
- Speed.....K.....K.....K
- ATD/ATA*.....hrs.....hrs.....hrs
- * Give location of nearest ATD or ATA.
34. Observer's Location: METEOROLOGICAL RADAR TYPE 277F GARBUTT AERODROME
Latitude 19-13.5.....Longitude 146-48E.....
35. Give bearing and elevation of any planets and major stars that were in that portion of the sky at that time. By day, give location of Venus only N/A.....
36. A meteorological balloon was released from GARBUTT 1010⁰⁰/0810 EST.....
at 1010.....Z colour WHITE.....Weight 100 + 20" TARP.....gm
Radio-sonde **/radar **/Candle **/battery ** (** delete as required)
- General wind profile LIGHT VARIABLE WINDS TO 13000'.....
- Maximum height tracked13.....000ft at 1024.....Z
- Was it known to have burst? ICE UP FLOATED & DESCENDED.....
37. The first significant temperature inversion was of NIL °C at..... ft
measured at 03 2215.....Z hrs from GARBUTT.....station.
FREEZING LEVEL 4580 METERS = 15000 FT.
38. Any remarks on satellites, rockets, research balloons, comets, meteorites etc. relevant to the sighting NIL.....

~~RESTRICTED~~

~~RESTRICTED~~

-5-

39. When an aircraft is a possible identification, include radar trace if available, and ascertain which of the aircraft lights were operating *N/A*
40. The cause (or likely cause) of the sighting ~~can~~*/cannot* be determined.
41. The object reported probably was*/may have been* (delete as required)
42. Mr Onley estimates that the actual length of the echo was about 2,800 yards. *- ?*
43. DCA radar technicians suggested that the radar may have experienced a period of "heavy pulsing" during the range wind down stage. Mr Onley is quite certain that this was not the case, and the radar has not displayed this type of malfunction since the unusual echo was sighted.

Headquarters
RAAF Base TOWNSVILLE Unit *P. J. HODGE* (name)
14 JAN 74 Date *Flight Lieutenant* (rank)

~~RESTRICTED~~

~~RESTRICTED~~

ANNEX B TO
HQOC 5/15/Air(36)
DATED 27JUL72

REPORT ON UNUSUAL AERIAL SIGHTING

PART 1 - Report by Observer

(As a preliminary to completing this form, the observer is invited to describe the sighting in his or her own manner, using either separate sheets or the back of this form).

1. Name of observer G. J. DAVEY Age 26
2. Address of observer BUREAU OF METEOROLOGY GARBUTT
TOWNSVILLE Phone 795999
3. Occupation of observer WEATHER OBSERVER
4. Date and time of start of observation 0150K 5 JAN 74
How certain is the date? CERTAIN
How accurate is the time of start? ACCURATE
5. Duration of observation 5-10 MINUTES
How accurate is your estimate? APPROXIMATE
6. Observer's location at time of sighting Outside operations
building at GARBUTT airport
How familiar is observer with this locality? Very familiar
7. Weather conditions at time of observation Wind 160/01 Visibility
2.0 NM. 1/8 Stratus at 1000 ft 3/8 Cirrus at 30,000 ft
8. Describe any aids/equipment used in the observation NIL
9. Where was object first observed:
 - a. Relative to your surroundings To the NW above radio
aids hut.
 - b. angle of elevation 70 deg.
 - c. compass angle bearing 310 deg.
 - d. how accurate are these estimates REASONABLY ACCURATE

~~RESTRICTED~~

~~RESTRICTED~~

-2-

10. What first attracted observer's attention? *Light source, pulsating or blinking.*
11. If there was more than one light/object:
- a. how many were there? *TWO*
- b. in what formation were they? *Line astern*
12. What was the colour of the light or object? *WHITE*
13. What was the brightness? (compare with full moon or common light source at a stated distance, eg, ordinary street light at 100 yards)
Similar to a NEON strip in complete darkness. No halo.
14. What was the apparent size at nearest approach:
- a. relative to Venus or Moon *Approx 3 times size of Venus in length*
- b. relative dimensions in inches at arm's length (about 20 inches from the eyes) *$\frac{1}{4}$ to $\frac{1}{2}$ inch*
15. What were the bearing and elevation angles at nearest approach and how were these values assessed?
16. Was any method of propulsion obvious? *No*
17. Describe any sound heard, including changes in pitch and intensity
No
18. What was the maximum and minimum angle of elevation (or height, if an estimate can be justified)?
19. What was the maximum and minimum angular velocity (or speed, if an estimate can be justified)? If necessary, compare with the movement of familiar objects at stated distances *Faster than an aircraft would appear at high altitude.*
20. Give duration of any stationary phases *Nil*
21. Describe any deviations or manoeuvres *Nil*
22. Describe any trail of exhaust, vapour or light seen *Nil*

~~RESTRICTED~~

~~RESTRICTED~~

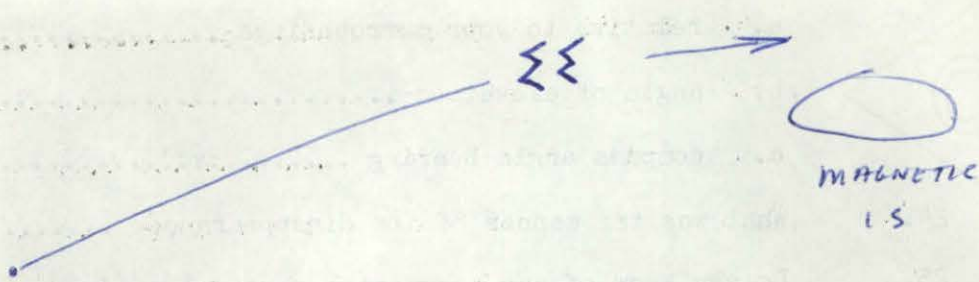
-3-

23. Where was object last observed:
- a. relative to your surroundings *Above MAGNETIC Island*
 - b. angle of elevation *060 deg.*
 - c. compass angle bearing *010 deg.*
24. What was the manner of its disappearance? *Disappeared behind clouds.*
25. Do you know of any associated physical evidence (such as fragments, photographs, scorching, ground indentations, residual magnetism or radioactivity etc) *No*
26. State any training which enables observer to be reasonably certain of his/her ability to estimate angles and angular velocity.
DCA WEATHER OBSERVER MR C. GODSELIN
27. How many witnesses to the sighting? *One - also a weather forecaster.
MR C. GODSELIN.*
28. Do you know of witnesses to similar sightings in the area? *No.*
(See earlier report by radar operator L. ONLEY)
29. What natural phenomenon (or phenomena) would be nearest to explaining your observation? *None May have been a satellite*
30. What are your main reasons for excluding this explanation?
31. Please sketch the light/object with all details. If appropriate, sketch position and/or movement of object in relation to your surroundings.
Use back of form if needed. *(See back of form)*

Signature *G. J. [unclear]*

Date *9 November, 1973*

~~RESTRICTED~~



Followed orbital path Leading 020 to 030 degrees

~~RESTRICTED~~

-4-

Part 2 - Unit Evaluation

32. The following military aircraft were in the vicinity of the reported UFO position at the time:
- A/C type NIL (1) (2) (3)
- HeadingT.....T.....T
- Height000ft.....000ft.....000ft
- SpeedK.....K.....K
- ATD/ATA*.....hrs.....hrs.....hrs
33. The following civil aircraft were in the vicinity of the reported UFO position at the time:
- A/C type NIL (1) (2) (3)
- HeadingT.....T.....T
- Height.....000ft.....000ft.....000ft
- Speed.....K.....K.....K
- ATD/ATA*.....hrs.....hrs.....hrs
- * Give location of nearest ATD or ATA.
34. Observer's Location: Latitude 19-13.5 Longitude 146-48E
35. Give bearing and elevation of any planets and major stars that were in that portion of the sky at that time. By day, give location of Venus only N/A
36. A meteorological balloon was released from GARBUTT at 1615 Z 4300 colour (Could not have been object sighted) Weightgm
- Radio-sonde **/radar **/Candle **/battery ** (** delete as required)
- General wind profile N/A 160/01
- Maximum height tracked N/A000ft atZ
- Was it known to have burst?
37. The first significant temperature inversion was of None °C at ft measured atZ hrs fromstation.
38. Any remarks on satellites, rockets, research balloons, comets, meteorites etc. relevant to the sighting Nil

~~RESTRICTED~~

~~RESTRICTED~~

-5-

39. When an aircraft is a possible identification, include radar trace if available, and ascertain which of the aircraft lights were operating *N/A*
40. The cause (or likely cause) of the sighting ~~can~~*/cannot* be determined.
41. The object reported probably was*/may have been* (delete as required)

P. J. Hodge
Headquarters
RAAF Base TOWNSVILLE Unit (P. J. HODGE) (name)
14 JAN 74 Date *Flight Lieutenant* (rank)

~~RESTRICTED~~

18 DEC 73

SIGHTING # 13

DANDENONG
VIC

W.H. K. HALL

580/1/1 Pt33 (13a)

27 FEB 1974

Mr W.H.K. Hall,
3 Gwenda Street,
DANDENONG. VIC. 3175

Dear Sir,

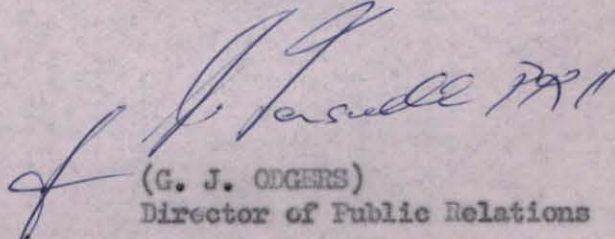
Your report of an unusual aerial sighting on the 18th December 1973 has been received, and the investigating team believes that the most probable cause was a light aircraft enroute to Moorabin.

The IFR (Instrument Flight Rules) approach to Moorabin is on a direct track from Eildon Weir to Moorabin which would track the aircraft in the vicinity of Dandenong. In the vicinity of Dandenong, the aircraft would be descending on reduced power which would account for the lack of noise.

The lights described in your report relate to the anti-collision external lighting used on some light aircraft - a flashing light on each wingtip.

We trust that this explanation is satisfactory and thank you for your report.

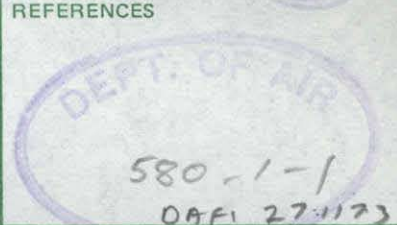
Yours faithfully,


(G. J. ODGERS)
Director of Public Relations

Handwritten notes:
JH
MDARE
26 Feb 74
Desp G JH
27.2.74
K

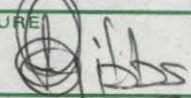
Handwritten notes:
Not
Copy sent to Hase
on 580/1/1 Pt 34 (1b).
1 Mar 74
D.D.



FROM	HQSC	FILE	5/6/1/Air(23)	DATE	3 JAN 74	REFERENCES
TO	DAFI	DEFAIR	ATTENTION	DAFI IR.2		
SUBJECT	UNUSUAL AERIAL SIGHTING REPORTS					

Enclosed are initial UAS reports from Mr W.H.K. HALL, gentleman, of DANDENONG and Mrs V.G. LAWRENCE, housewife, of MURRUMBEENA.



SIGNATURE	NAME	RANK	APPOINTMENT	PHONE NO
	R.O. GIBBS	Flg Off	INT 1	7410



DATE 5/11/20

1822

157

1875

REPORT OF UNUSUAL AERIAL SIGHTING

Part 1 - Report by Observer

1. Name of observer HALL, W.H.K. Age 51
Address 3 GWENDA ST.
DANDENONG State VIC. Postcode 3175
Occupation GENTLEMAN?
Phone (home) 792 2379 (business)

2. Exact location of observer CENTRE BACK YARD
OF ABOVE ADDRESS.

3. Start of observation: Date 18-12-73 Time 1033 am/pm
End of observation: Date 18-12-73 Time 1033 am/pm

4. Accuracy of date CONFIRMED WITH YOUR LOG. Times CHECKED WITH ABC
TIME SIGNAL

5. Weather conditions at time of observation, referring
to cloud, wind, visibility etc NO CLOUD BROKEN.
WIND APPROX 180°/5K. VIS APPROX 15 MLS.

6. In what direction was the sighting first observed?
APPROX. 020°.

At what angle to the horizon?

30°

90°
45°
You 0° - 0°
Horizon

7. In what direction was the sighting last observed?
APPROX 160°.

At what angle to the horizon?

40°

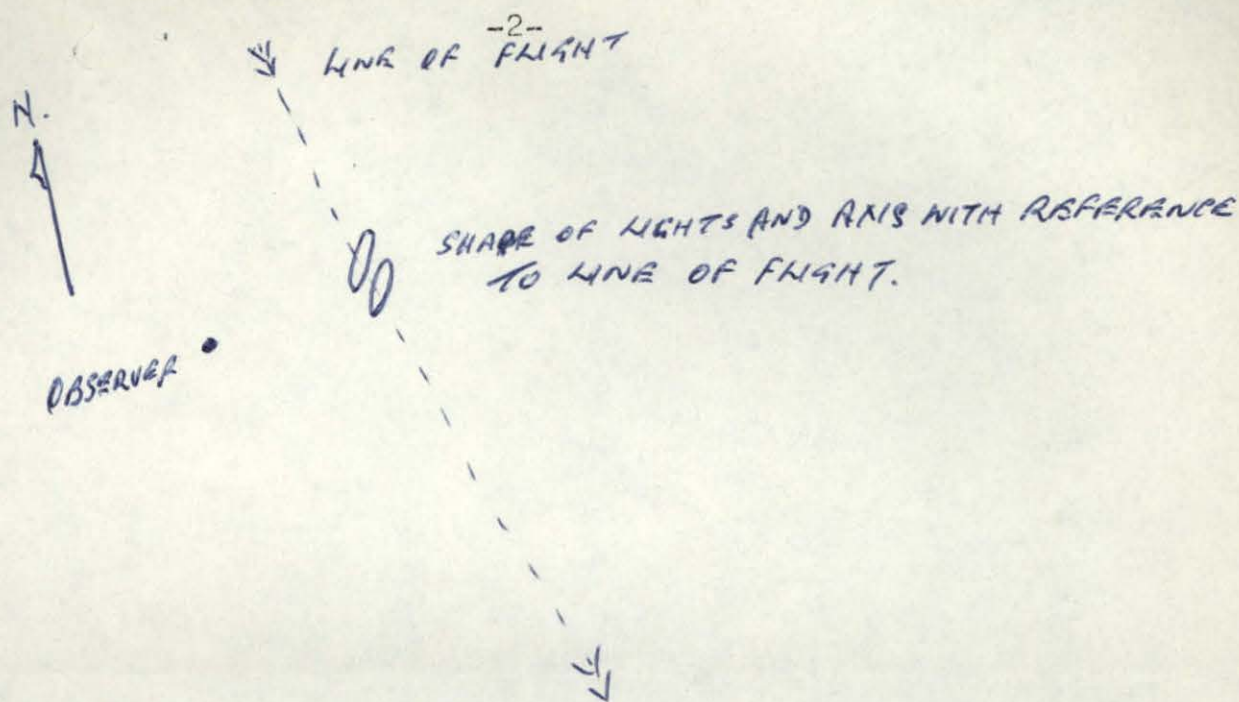
90°
45°
You 0° - 0°
Horizon

8. Estimate of distance and/or altitude from observer

ALTITUDE APPROX 4000' HIGHEST ANGLE 70°.

9. Describe (overleaf) the object(s)/light(s) in your own words, referring to the number, colour, size, shape, brightness (relative to full moon/star), movement, sound, speed, method of propulsion, manner of disappearance and any other unusual features. If possible provide sketch.

X 5/16/74
Chantelo



Two lights pulsating approx. 4 times per second at brightest intensity equivalent to a white searchlight projected on to cloud. At 4000' the lights were estimated to be 60' long and 15' at their widest point midway along the axis. The observation was for 3 seconds. The flight path was straight and level. There was no sound discernable above light traffic noise some 500' away. The sighting was assumed to be a new kind of searchlight until the light remained bright and visible when passing across clear sky. Just before losing sight of the object behind trees the lights became slightly diffused as though penetrating the bottom of the cloud layer.

10. Have you any photographs of the sighting, or is there any physical evidence of fragments, scorching or ground indentations? NONE.

11. How many other witnesses to the sighting? (Please provide names and addresses if possible)

I cannot find anyone. I called D.C.A at
Lullamarine and asked if they had anything on
the radar but they wouldn't say.

12. Any additional comments you wish to make.

I have been a pilot since 1942 and have seen
other object of this nature but have never been
game to go in to print. This sighting seemed
to me to be significant insofar as the lights
pulsated, remained in perfect formation and
their axis were something like 135° from the
line of flight

00 →

Date 21-12-73

Signature

W.H.K. Hall

W.H.K. HALL.

HALL

Part 2 - Unit Report

Sent
19 DEC

18 DEC.

1. a. Details of military aircraft in the area at the time of sighting.

Type	Heading	Height	Speed	Departed from	ATD	Destination	ATA
Nil							

Source of information RAAF ATC TULLA

- b. Details of civil aircraft activity, including light private aircraft and international flights, in the area at the time of the sighting.

Air Express Bristol ATD ESS 2212 FOR LAUN usually to Cowes direct

Type	Heading	Height	Speed	Departed from	ATD	Destination	ATA
Canberra LAV		35,000'		LAV	2127	LAV	2330
upper air level sampling							
Capt 2Lt Lt Jarquharson							
LAV 280							

Source of information

RAAF ATC TULLA New lights & red ident light.

2. Give the bearing, elevation and movement of any planets or major stars that were in that portion of the sky at the time of the sighting.

Source of information

3. Details of any predicted satellites, rockets, comets or meteorite activity in the area at time of the sighting.

No recorded 'Visible Satellite Passes' info

for time / bearing

Source of information

VSP Bulletin

/4. Details

Air Express Essendon 2212 ATD TOLAÚN
Engineer @ Air Express said not usual
to fly with ^{landing} lights on when outbound.

Bram & Brown say no flights
nite of 18 DEC.

4. Details of any meteorological, research or radar balloons known to have been in the area at the time of sighting (refer to point of release, size, colour, ROC, wind profile and whether it was known to have burst)

Not considered due reported speed
& direction

Source of information _____

5. Details of any unusual radar traces or images which may relate to the sightings, as recorded by military or civil networks

N.I.

Source of information _____

6. Provide the following information relating to the weather and atmospheric conditions at the time of the sighting:

Temperature (dry bulb) 17 °C (wet bulb) _____ °C Relative Humidity 63 %

Cloud Cover 6/8 St Cu @ 2,500' type _____

Temperature inversion of 1 °C at 5,000' - 5,500' ft measured at 1000 hrs from _____

Wind direction 3,000' 120° at 2 kts ft

5,000' 250 at 12 ft

10,000' 270 at 16 ft

15,000' 270 at 24 ft

Pollution level _____

7. Details of terrain and natural and/or man-made features in the area (Attach map with significant points marked, if possible)

Part 3 - Investigating Officer's Evaluation

1. a. Date of interview _____
b. Place of interview _____

2. Names and addresses of persons interviewed (include phone numbers where applicable)

1. Observer seemed rational when talking on June

3. _____ 4. _____

3. Narrative evaluation of personalities of witnesses (include any relationship with UFO organizations and their interest in subject matter).

4. Investigating Officer's evaluation of possible cause(s).

Not known. It is difficult to relate reported duration of sighting, three seconds, with distance reportedly travelled, from 30° E1 to 40° E1; presumably this would involve a speed of more than 800 kts. Observer's weather conditions do not conform with the Bureau's but this may not be significant. For a person who claims to have been a pilot since 1942, it seems unusual that he would not have tried to deduce or ascertain the cause before this, or returned his initial report earlier.

HQSCU (Unit) R.O.GIBBS (Name)
3 JAN 74 (Date) Flg Off. (Rank)

19 Dec 73

SIGHTING # 12

MURRUMBIDJA
VIC

MRS V. G. LAWRENCE

RECEIVED
2 - JAN 1974
H Q S C
REGISTRY

Part 1 - Report by Observer

- 35 MIN

cont'd)

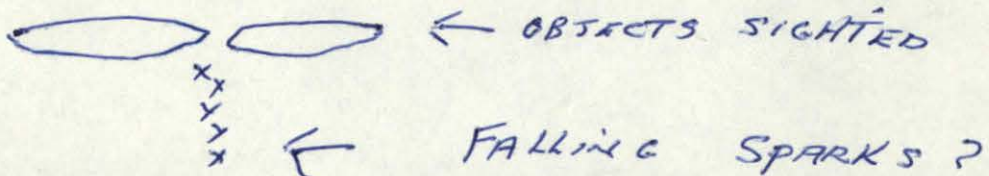
Have you any photographs of the sighting, or is there any physical evidence of fragments, scorching or ground indentations? NO

11. How many other witnesses to the sighting? (Please provide names and addresses if possible)

NONE

12. Any additional comments you wish to make.

DIAGRAM



Date 28-12-73

Signature Mrs G. Lawrence

SIMILAR TO MIN SUBMARINES, TWO
ELONGATED IN SHAPE - SILVER-WHITE
IN COLOR - QUITE BRIGHT - MOVEMENT SLOW -
MET POINT TO POINT - UNUSUAL SOUND -
THEN SEPERATED, DROPPING WHAT IN
MY OPINION RESEMBLED FALLING
SPARKS - WITNESSED THIS FOUR
TIMES - WAS A VERY HOT NITE
AND WAS LAYING OUTSIDE ON A BANANA
LOUNGE WATCHING THE STARS.

WHEN I FIRST WITNESSED THIS - THESE
"TWO OBJECTS" FINALLY FLEW OFF IN
OPPOSITE DIRECTIONS - ONE TRAVELLING
SOUTH - THE OTHER NORTH.

WORKED ON TELEX 1942-1945 WITH
AMERICAN SIGNALS - WENT TO USA IN 1946 -
THEN WORKED WITH B.S.R.C - WASHINGTON

D.C. RETURNED TO AUSTRALIA IN APRIL
1950 FOR 2 MONTHS, BACK AGAIN TO USA AGAIN
WITH ALIEN CARD - NR. 6911243 - 734839 -
MY HUSBAND - ALBERT THORNTON LAWRENCE IS
AN AMERICAN CITIZEN, SAME AS OUR 3 DAUGHTERS
NOW ALL MARRIED. I AM BOOKED WITH
QUANTAS 17 JANUARY - 1974 - MELB - TO SAN
FRANCISCO. HERE'S HOPING THEIR PLANE
DOESNT COLLIDE WITH WHATEVER WAS
FLYING AROUND SPACE - I AM QUITE
(OVER)

27

SURE. IT WAS NOT "THE COMET" HAVE ALSO
SEEN THAT. I AM SURE WHATEVER I
HAVE TRIED TO DESCRIBE TO YOU WAS NOT
FROM 'MARS'. MY HONEST OPINION
WOULD BE RUSSIA - ONE OTHER THING
I OBSERVED APPROX 6am 19-12-73 WAS
THE PECULIAR FOG, COME SMOG, ALSO AN
INCREDIBLE ODOR, SIMILAR TO GAS.

Vera J. Lawrence

SUMMARY OF TELEPHONE DISCUSSIONS MRS V. LAWRENCE/INT1 20DEC73

1. Mrs Lawrence was referred to this office by the Bureau of Meteorology. She had spoken to a Melbourne commercial radio station about the sighting but did not want her name published. Her husband has worked for the British Scientific Research (Organization) and knows all about 'them' (UFOs presumably). Well, when she was talking to her good friend Gerry, the managing director of Ramset, it transpired that he had seen the same thing and because she had worked with American intelligence during the war, she knew what was going on. Then, when she was talking to a janitor or someone on the phone last week, he had also seen it.

2. 'It' was seen one night last week (11th/12th Dec73) when Mrs Lawrence, whose christian name is Vera, went out onto the patio because it was so hot inside, and there 'they' were. Well, it was about 12PM or 12.15 or something and as she was lying on her banana chair, she could see 'them' and she knows what they are because she was at G2 in Townsville during the war. She likes talking with pilots because the Americans taught her to fly a Beechcraft at Townsville and pilots are different. Anyway, there 'they' were, two elongated objects that came together, made a peculiar noise that she couldn't describe, then they separated and bright objects descended like falling stars. The two objects were like submarines in the sky. They couldn't be submarines because they don't fly do they? Anyway, the spark-like things that fell down had this peculiar acid smell - no - the smell couldn't be described either. The elongated things came together three more times, sparked then disappeared.

3. Next morning we had this funny smelling fog over Melbourne, the smell was the same as the falling star smell. Then she realized what it was, and did INT1? No, INT1 didn't. After playing 'yes-you-do-know, no-you-don't' for about three minutes, Mrs Lawrence expressed an opinion that the Russians were doing it. 'It' apparently being radiation dropped on Murrumbidgee/Melbourne. Apparently Australia is the only country left with oil. The Arab nations can be discounted as oil producers because Australia will have the lot soon. Mrs Lawrence expressed admiration for the Arabs and added that perhaps she shouldn't say that. She doesn't like communists however and asked if INT1 was a communist.

4. Subsequent discussion revealed that Mrs Lawrence is a grandmother, suffers from bronchitis and works as a part-time secretary for Drake International (a flying, sighing, short-hand-y granny); knows Sir Frederick Scherger and dials 013 for telephone numbers rather than look up the phone book.

Notes

1. Mrs Lawrence rang the DSO HQSC at 0300LT 22DEC73 to advise him. She hadn't received her questionnaire
2. Rang agn 28DEC. Sighted agn last night, same smell, G2, returning USA 17JAN74

Part 2 - Unit Report

V. LAWRENCE

1. a. Details of military aircraft in the area at the time of sighting.

Type	Heading	Height	Speed	Departed from	ATD	Destination	ATA

Source of information _____

- b. Details of civil aircraft activity, including light private aircraft and international flights, in the area at the time of the sighting.

Type	Heading	Height	Speed	Departed from	ATD	Destination	ATA

Source of information _____

2. Give the bearing, elevation and movement of any planets or major stars that were in that portion of the sky at the time of the sighting.

N/C.

Source of information _____

3. Details of any predicted satellites, rockets, comets or meteorite activity in the area at time of the sighting.

N/C

Source of information _____

/4. Details

4. Details of any meteorological, research or radar balloons known to have been in the area at the time of sighting (refer to point of release, size, colour, ROC, wind profile and whether it was known to have burst)

N/C.

Source of information _____

5. Details of any unusual radar traces or images which may relate to the sightings, as recorded by military or civil networks

N/C.

Source of information _____

6. Provide the following information relating to the weather and atmospheric conditions at the time of the sighting:

Temperature (dry bulb) 16.6°C (wet bulb) 13.3°C Relative Humidity 80%

Cloud Cover 8/8 Alt Cu 1600' Alt St 1600' type _____

Temperature inversion of 11°C at _____ ft measured at _____ hrs from _____

Wind direction 3,000' 150° at 5 Kts ft
5 " 160° at 10 " ft
10 " 250° at 15 " ft
13 " 250° at 30 " ft

Pollution level _____

7. Details of terrain and natural and/or man-made features in the area (Attach map with significant points marked, if possible)

Part 3 - Investigating Officer's Evaluation

1. a. Date of interview _____
b. Place of interview _____
2. Names and addresses of persons interviewed (include phone numbers where applicable)
1. _____ 2. _____

3. _____ 4. _____

3. Narrative evaluation of personalities of witnesses
(include any relationship with UFO organizations and their interest in subject matter).

Irrational lonely person.

4. Investigating Officer's evaluation of possible cause(s).

1. *Imagined.*
2. *The following discrepancies exist:*
 - a. *date & times changed from initial report;*
 - b. *initial report intimated sighting directly overhead;*
 - c. *initial report claimed two witnesses; and*
 - d. *at 2400 LT 15 DEC 73 weather included 8/8 cloud at 16,000'*

U.S.C. (Unit)

R.O. GIBBS (Name)

3 JAN 73 (Date)

Flg O (Rank)

2 NOV 73

SIGHTING # 11

MAHLDON
VIC

J. BANRENN

FROM DEFAIR	FILE 580/1/1/133(115)	DATE 19 JUN 74	REFERENCES 4-1-73 BS 15/1/AIR(35) OF 28 DEC 73
TO HOPCK ATTENTION UFO OFFICER			
SUBJECT REPORTS OF UNUSUAL AERIAL SIGHTINGS			

Enclosed, for your records, is a copy of a letter to Miss J. Bannanen in reply to her report of an unusual aerial sighting.

ENCLOSURE: Copy of letter to Miss J. Bannanen

SIGNATURE M. GRETTO	NAME M. GRETTO	RANK FLG OFF	APPOINTMENT IR-2	PHONE NO 2408
------------------------	-------------------	-----------------	---------------------	------------------

Miss J. Banrenen,
8/497 Glenferrie Road,
HAWTHORN, VIC. 3122.

13 JUN 1974

Dear Miss Banrenen,

Your report of an unusual aerial sighting on 2nd November, 1973 has been received and the investigating team considers that the most probable cause was the juxtaposition of the planets Venus and Jupiter.

At the time of your sighting Venus and Jupiter were visible, with magnitudes of -3.9 and -1.9 respectively, in the western sky at an elevation of about 10°. A phenomena known as atmospheric scintillation caused by varying atmospheric density layers produces rapid fluctuations in brightness, position and colour of light sources such as these planets. The disappearance of the light is attributed to the planets setting below the horizon.

We regret the delay in replying to your report and trust that this explanation is satisfactory.

Yours faithfully,



(G. J. ODGERS)
Director of Public Relations

Handwritten notes:
J. Banrenen
JAG
12 Jun 74

~~RESTRICTED~~



ROYAL AUSTRALIAN AIR FORCE

TELEPHONE: 399 1322



Headquarters
RAAF Base
POINT COOK VIC 3029

28th December 1973

IN REPLY QUOTE BS/5/1/Air(35)

DAFI

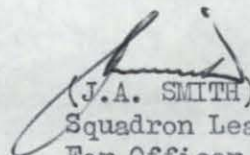
Department of Defence (Air Office)

For Information

Headquarters Support Command

UNUSUAL AERIAL SIGHTING REPORT

1. Forwarded herewith, a report on an unusual aerial sighting, made near Maldon, Victoria on 2nd November 1973.
2. Delay in reporting this sighting is regretted, however other unit commitments have precluded earlier investigation of this report.


(J.A. SMITH)
Squadron Leader
For Officer Commanding

Enclosure: 1. Report on Unusual Aerial Sighting.

~~RESTRICTED~~

-3.9
-1.9

SECRET



TO: DIRECTOR, CENTRAL INTELLIGENCE AGENCY

FROM: AMEMBIST, PHNOM PENH

SUBJECT: [Illegible]

REF: [Illegible]

1. [Illegible text]

2. [Illegible text]

3. [Illegible text]

4. [Illegible text]

5. [Illegible text]

6. [Illegible text]

7. [Illegible text]

8. [Illegible text]

9. [Illegible text]

10. [Illegible text]

11. [Illegible text]

12. [Illegible text]

13. [Illegible text]

14. [Illegible text]

SECRET

~~RESTRICTED~~
RESTRICTED

REPORT ON UNUSUAL AERIAL SIGHTING

Part I - REPORT BY OBSERVER

(As a preliminary to completing this form, the observer is invited to describe the sighting in his or her own manner, using either separate sheets or the back of this form.)

1. Name of observer.....Miss Joannie BANRENNEN.....Age.....22
2. Address of observer.....8/497 Glenferrie Road, HAWTHORN VIC.....
.....Phone.....813726
3. Occupation of observer.....Secretary.....
4. Date and time of start of observation.....(2 Nov 73 - 2330).....
How certain is the date?.....No doubt.....
How accurate is the time of start?.....+ 5 mins.....
5. Duration of observation.....30 mins approx.....
How accurate is your estimate?.....+ 5 mins.....
6. Observer's location at time of sighting.....8 kilometres south of
MALDON VIC (9.5 kilometres north of CASTLEMAINE) Travelling in a
northerly westerly direction.
How familiar is observer with this locality?.....Very familiar.....
7. Weather conditions at time of observation.....Humid, little to
no wind - little to no cloud.....
8. Describe any aids/equipment used in the observation.....Nil.....
9. Where was object first observed?: About 2 kilometres ahead and to
the left of the car in which
a. Relative to your surroundings observer travelled.....
.....
b. angle of elevation.....10° - 20°.....
c. compass angle bearing.....About 295°.....
d. how accurate are these estimates?.....Reasonably accurate.....
10. What first attracted observer's attention?.....A bright flashing
light.....
11. If there was more than one light/object:
a. how many were there?.....N/A.....- 1 light/object only.....
b. in what formation were they?.....N/A.....
12. What was the colour of the light or object?.....Changed from red to
yellow and then to orange.....

~~RESTRICTED~~
RESTRICTED

/13. What

13. What was the brightness? (compare with full moon or common light source at a stated distance, eg ordinary street light at 100 yards)... Nearly as bright as a full moon on a clear night.

14. What was the apparent size at nearest approach?
 - a. relative to Venus or Moon... A little smaller than the moon (About the size of a house at 2 kilometres).
 - b. Relative dimensions in inches at arm's length (about 20 inches from the eyes)... about 2 1/2 cms

15. What were the bearing and elevation angles at nearest approach and how were these values assessed?... About 40-50 metres above trees at a distance of 1-2 kilometres - bearing 205°

16. Was any method of propulsion obvious?... No although the centre of the object appeared to be revolving.

17. Describe any sound heard, including changes in pitch and intensity... None heard

18. What was the maximum and minimum angle of elevation (or height, if an estimate can be justified)?... Approx 10° x 20° respectively

19. What was the maximum and minimum angular velocity (or speed, if an estimate can be justified)? If necessary, compare with the movement of familiar objects at stated distances... Speed of light aircraft.

-

20. Give duration of any stationary phases... Appeared to be stationary for 5 mins approx.

21. Describe any deviations or manoeuvres... Moved in straight almost horizontal track.

22. Describe any trail of exhaust, vapour or light seen... None....

-

23. Where was object last observed:
 - a. relative to your surroundings... Abeam the left side of car...
 - b. angle of elevation... 10°
 - c. compass angle bearing... 205°

24. What was the manner of its disappearance?... Dropped below tree line

25. Do you know of any associated physical evidence (such as fragments, photographs, scorching, ground indentations, residual magnetism or radioactivity etc).....
None

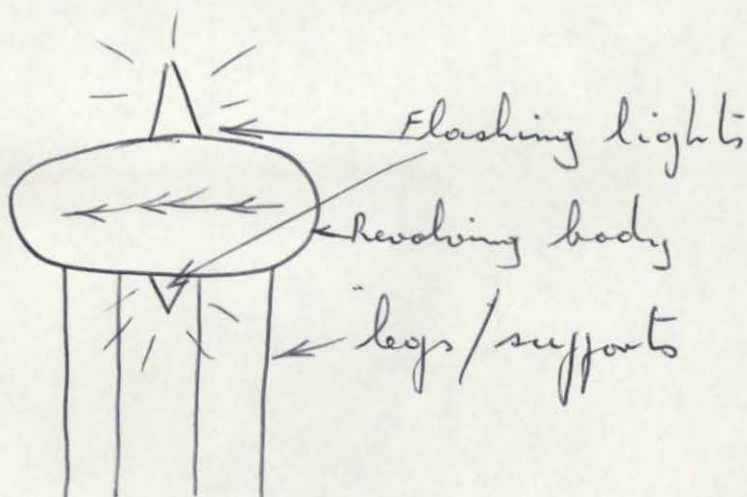
26. State any training which enables observer to be reasonably certain of his/her ability to estimate angles and angular velocity... Observer returned at daylight to check area where object had appeared to be stationary above the ground but could find no ground marks.

27. How many witnesses to the sighting?... One

28. Do you know of witnesses to similar sightings in the area? No

29. What natural phenomenon (or phenomena) would be nearest to explaining your observation? None known.....
30. What are your main reasons for excluding this explanation?
The light and form of the object appeared more man made than natural..
31. Please sketch the light/object with all details. If appropriate, sketch position and/or movement of object in relation to your surroundings, Use back of form, if needed.

Observer interviewed by telephone and related the following occurrence. Whilst driving her vehicle to Maldon Vic., at night, the object (sketched below from verbal description) was seen by Miss BANRENIEN. The object was first sighted flying at some 60 metres above the tree line at some 2 kilometres distance and appeared to be the size of a small house. It had a large light on top and a small light beneath the egg shaped, apparently revolving centre. The lights appeared in the form of cones and changed colour from red, to yellow to orange. It followed alongside for a distance of some 24 kilometres at about 1 kilometre distance, then disappeared below tree level. At the time it appeared for 5 mins or so to be relatively stationary it revealed scaffolding type legs beneath it which were in length about twice the height of the "body" of the object.



Signature.....Date.....

Part II - UNIT EVALUATION

32. The following military aircraft were in the vicinity of the reported UFO position at the time:
- A/C type.....(1).....(2).....(3)
- Heading.....None known by this unit.....T.....T.....T
- Height.....,000ft.....,000ft.....,000ft
- Speed.....K.....K.....K
- ATD/ATA*.....hrs.....hrs.....hrs
33. The following civil aircraft were in the vicinity of the reported UFO position at the time:
- A/C type.....(1).....(2).....(3)
- Heading.....None known in that area.....T.....T.....T
- Height.....,000ft.....,000ft.....,000ft
- Speed.....K.....K.....K
- ATD/ATA*.....hrs.....hrs.....hrs
- * Give location of nearest ATD or ATA.
34. Observer's Location: (Approx) Latitude...43°-00'S...Longitude...144°-10'E...
35. Give bearing and elevation of any planets and major stars that were in that portion of the sky at that time. By day, give location of Venus only...Not known...
36. A meteorological balloon was released from...None known in area... at.....Z. Colour.....Weight.....gm
- Radio-sonde **/radar ** Candle **/battery ** (**delete as required)
- General wind profile.....
- Maximum height tracked.....,000ft at.....Z
- Was it known to have burst?
37. The first significant temperature inversion was of.....°C at.....ft, measured at.....Z hrs from.....station. Not known for area
38. Any remarks on satellites, rockets, research balloons, comets, meteorites etc relevant to the sighting.....Nil
39. When an aircraft is a possible identification, include radar trace if available, and ascertain which of the aircraft lights were operating.....Not available

/40. The cause

40. The cause (or likely cause) of the sighting ~~was~~*/cannot*
~~be determined~~

41. The object reported probably ~~was~~*/may have been*:
(*delete as required)

a helicopter
.....

This sighting was reported by telephone by Miss J. BANRENIEN who observed this U.F.O. with her sister whilst driving to Maldon. The observer was very familiar with the area of sighting and appeared quite mature. From interview the observer seemed genuine and stated that she had reported the sighting only because she could think of no possible natural phenomenon or man made object which could in her mind explain the occurrence.

The sighting may possibly have been a helicopter as stated at para 41 above, but only because such an aircraft would probably have the closest similarity to the U.F.O. described. The definite, unconfused and clear description given by the observer does not however, tend to fit this theory.

.....BSPCK.....(Unit).....*B.H.F. van der Wijngaart*.....(Name)
.....28DEC73.....(Date).....Flying Officer.....(Rank)

7 NOV 73

SIGHTING # 10

Sorrento
WA

K.M. McDERMOTT

580/1/1 Pt33 (10a)

14 FEB 1974

Miss K.M. McDermott,
Sacred Heart Girls College,
SORRENTO. W.A. 6020

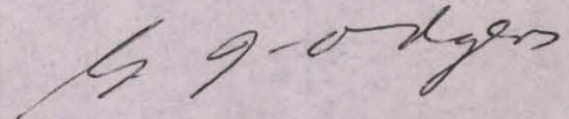
Dear Kim,

With reference to your report of an unusual aerial sighting on 7th November 1973, the investigating team is of the opinion that the most probable cause was a satellite.

Currently there are 3,037 man made objects in space and predictions are made for visible passes over major Australian cities for about twelve long-lived satellites of optimum visible magnitude. At about 09.47 on the evening of the sighting the COSMOS 372 rocket designated 1970-86B would have been visible at an elevation of 47° on an azimuth of 108° heading 16° . This rocket is considered to be the most probable cause of your sighting.

We trust that this explanation is satisfactory and thank you for your report.

Yours sincerely,



(G. J. ODGERS)

Director of Public Relations

*Explos
DATA
13 Feb 74*

*Lost by DLR
14.2.74*

6

*NOA
Copy sent to HQPEN
on 580/1/1 Pt 33 (19b)
18 FEB 74*

IR2.

FROM

HQ PFA

FILE

S/9/AIR A6(19

DATE

11 DEC 73

REFERENCES

TO

DAFI

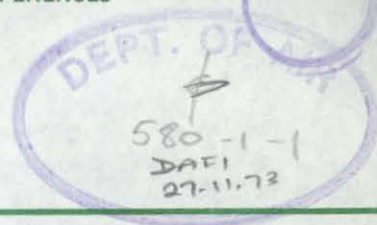
DEPT DEFENCE AIR

ATTENTION

DAFI

SUBJECT

UNUSUAL AERIAL SIGHTING REPORT



INCLOSED FOR YOUR INVESTIGATION IS A REPORT BY
MISS KIM McDERMOTT



SIGNATURE

NAME

R. PIERS

RANK

FLS OFF UFO OFFICER

APPOINTMENT

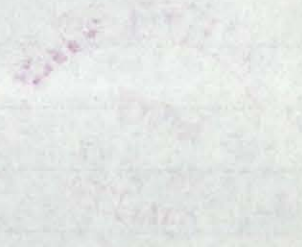
PHONE NO

2246

RECEIVED

17 DEC 73 09 06

DEPT. OF DEFENCE
CENTRAL REGISTRY



REPORT ON UNUSUAL AERIAL SIGHTINGPart 1 - Report by observer

(As a preliminary to completing this form, the observer is invited to describe the sighting in his or her own manner, using either separate sheets or the back of this form)

1. Name of Observer... Kim Maree McDermott ... Age... 15
2. Address of Observer... Sacred Heart Girls College ...
Sorrento W.A. 6020 ... Phone No... 471151
3. Occupation of Observer... Student
4. Date & Time of start of Observation... 9:40 p.m. 7th Nov '73
- How certain is the date?... absolutely ... certain
- How accurate is the time of start? ... approximate
5. Duration of the observation... 2-3 mins
- How accurate is your estimate? ... roughly ... accurate
6. Observers' location at the time of sighting... in bed at ...
boarding school
- How familiar is the observer with this locality? ... very familiar
7. Weather conditions at time of observation... clear + at night
8. Describe any aids/equipment used in the observation... none
9. Where was object first observed?
 - a. Relative to your surroundings... out of a window
 - b. Angle of elevation... about 50°
 - c. Compass angle bearing... ..
 - d. How accurate are these estimates? ... roughly accurate
10. What first attracted observers attention? ... yellow disc ...
travelling through sky at great speed

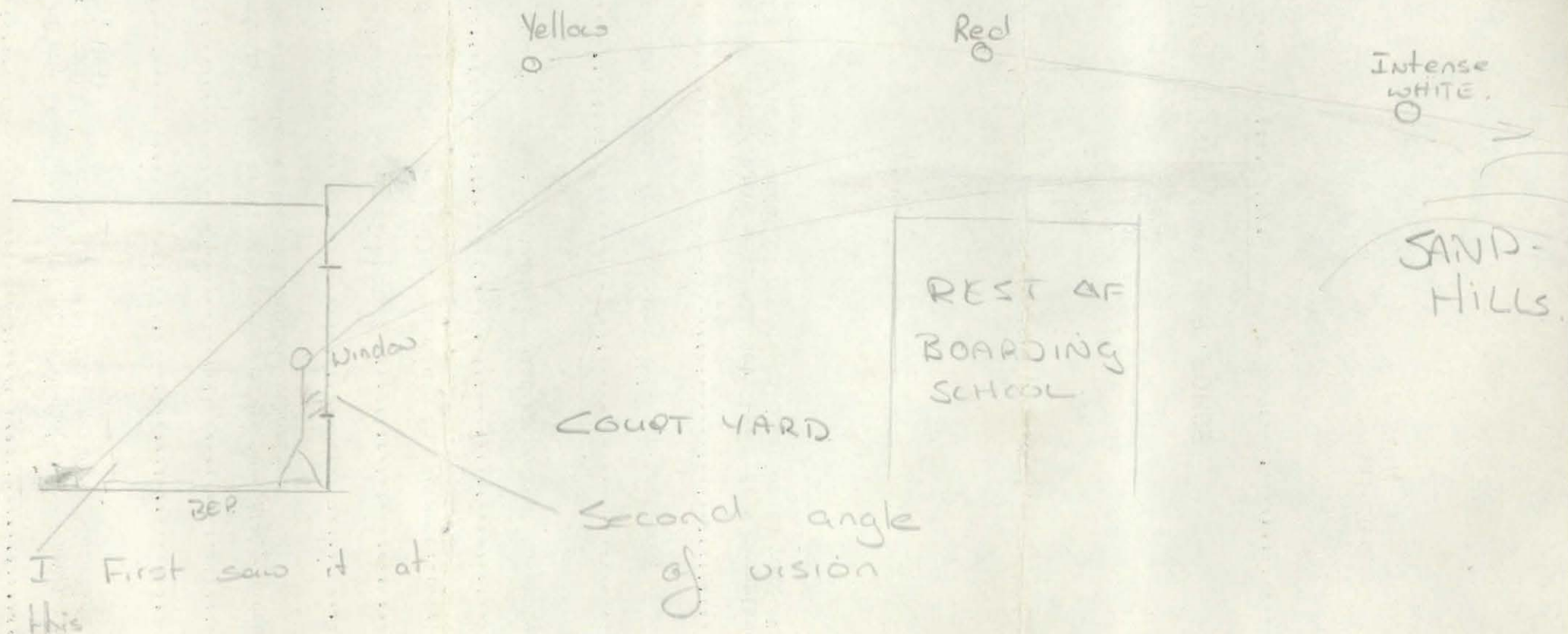
11. If there was more than one light/object:
- a. How many were there ? N.A.
- b. In what formation were they ? N.A.
12. What was the colour of the light or object ? yellow-red-intense white disc
13. What was the brightness ? (compare with full moon or common light source at a stated distance; eg ordinary street light at 100 yards)
- yellow-fairly dull red + white - very bright
14. What was the apparent size at the nearest approach ? :
- a. Relative to Venus or Moon... twice the size of Venus
- b. Relative dimensions in inches at arm's length (about 20 inches from eyes)
- approximately 4 (one) inch
15. What were the bearing and elevation angles at the nearest approach and how these values assessed ?
-
16. Was any method of propulsion obvious ? No
17. Describe any sound heard, including changes in pitch and intensity
- None
18. What was the maximum and minimum angle of elevation (or height, if an estimate can be justified) ?
- Approximately 50° - 10°
19. What was the maximum and minimum angular velocity (or speed, if an estimate can be justified) ? If necessary, compare with the movement of familiar objects at a stated distances
- 2-3 times faster than an aeroplane
20. Give duration of any stationary phases..... 5 seconds
21. Describe any deviations or manoeuvres..... large curve
22. Describe any trail of exhaust, vapour or light seen..... none
-
23. Where was objects last observed ? :
- a. Relative to your surroundings North
- b. Angle of elevation..... 10°
- c. Compass angle bearing

24. What was the manner of its disappearance ? faded into the distance
25. Do you know of any associated physical evidence (such as fragments, photographs, scorching, ground indentations, residual magnetism or radioactivity, etc) No
26. State any training which enables observer to be reasonably certain of ~~his~~/her ability to estimate angles and angular velocity. girl guide + mathematics
27. How many of witnesses to the sighting ? 6 inclusive
28. Do you know of witnesses to similar sightings in the area yes
29. What natural phenomenon (or phenomena) would be nearest to explaining your observation ? ;
30. What are your main reasons for excluding this explanation ? It didn't look like any natural phenomenon
31. Please sketch the light/object with all details. If appropriate, sketch position and/or movement of object in relation to your surroundings. Use back of form if needed.

Signature..... Kim M. McDermott

Date..... 29/11/73

No. 31



Part 2 - Unit Evaluation

32. The following military aircraft were in the vicinity of the reported UFO position at the time: NIL

A/C type.....(1).....(2).....(3)
Heading.....T.....T.....T
Height.....,000 ft.....,000 ft.....,000 ft
Speed.....K.....K.....K
ATD/ATA*.....hrs.....hrs.....hrs

33. The following civil aircraft were in the vicinity of the reported UFO position at the time: NIL

A/C type.....(1).....(2).....(3)
Heading.....T.....T.....T
Height.....,000 ft.....,000 ft.....,000 ft
Speed.....K.....K.....K
ATD/ATA*.....hrs.....hrs.....hrs

* Give location of nearest ATD or ATA.

34. Observer's Location: Latitude 31° 50' Longitude 115° 45'

35. Give bearing and elevation of any planets and major stars that were in that position of the sky at that time. By day, give location of Venus only.

.....

36/ A meteorological balloon was released from GUILDFORD AIRPORT
at 07.1.000 Z. Colour WHITE Weight 350 gm
Radio-sonde **/ radar ** : Candle **/ battery** (** Delete as required.)

General wind profile. 20 10 140 230 440 540
21/18 29/12 26/34 29/66 29/98 20/56

Maximum height tracked.....,000 ft atZ

Was it known to have burst ? YES

37. The first significant temperature inversion was of3°C
at6000 ft, measured at07.1000 Z hrs fromSFD
.....station.

38. Any remarks on satellites, rockets, research balloons, comets, meteorites etc relevant to the sighting.

COSMOS 372 ROCKET, TIME OF CLOSEST APPROACH 214755-
AZ 108 EL 47°

/ 39. When an

high 16°

39. When identified as possible aircraft, include radar trace if available, and ascertain which of the aircraft lights were operating.

.....
.....

40. The cause (or likely cause) of the sighting can */cannot" be determined.

41. The object reported probably was * / ~~may have been~~*
(delete as required)

.....COSMOS ROCKET.....
.....

.....HQ PEA.....10 Dec 73.....
(Unit) (Date)

.....R. PYERS.....FLS OFF.....
(Name of Investigating Officer) (Rank)

21/22 Nov 73

SIGHTING # 9

HICHTT
vie

L. A. JONES

FROM DEFAIR	FILE 5801.1. P. 33(96)	DATE 29 JAN 72	REFERENCES HOSC 5161. AIR (21) OF 18 DEC 73
TO HOSC	ATTENTION INT 1		
SUBJECT REPORTS OF UNUSUAL AERIAL SIGHTINGS			

Enclosed for your records is a copy of a letter to Mr. H. A. Jones in reply to his report of an unusual aerial sighting.

ENCLOSURE: Copy of a letter to Mr. H. A. Jones.

SIGNATURE M. GRETTON	NAME M. GRETTON	RANK FLG LIE	APPOINTMENT IR 2	PHONE NO 2408
-------------------------	--------------------	-----------------	---------------------	------------------

15 JAN 1974

(AIR OFFICE)

580/1/1 Pt33 (9a)

Mr L.A. Jones,
12/15 Karen Street,
HIGHTETT. VIC. 3190

Dear Sir,

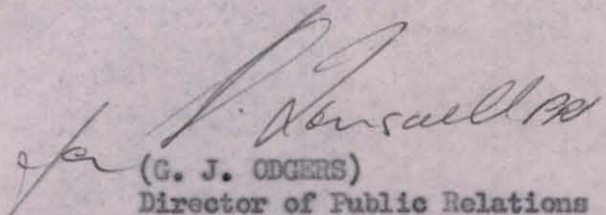
With reference to your report of unusual aerial sightings on 21st and 22nd November 1973, the investigating team is of the opinion that the most probable cause on both occasions was a satellite.

Predictions are made for visible satellite passes over major Australian cities for about twelve long-lived satellites of optimum visible magnitude. Other bright objects sighted could be short-lived satellites or other items of space associated equipment.

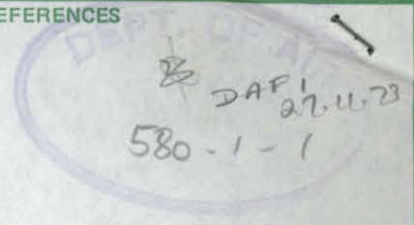
The sighting on 21st November can probably be attributed to an unpredicted satellite, although no explanation is readily available for the apparent deviation of the light source. The sighting on the following day was most probably the OAO-A2 rocket designated 1968-11C which was visible over Melbourne at about 03.56 a.m. at an elevation of 58° on a heading of 099° .

We trust that this explanation is satisfactory and thank you for your report.

Yours faithfully,


(G. J. ODGERS)
Director of Public Relations

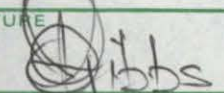
F. J. Odgers
14 Jan 74

FROM	HQSS	FILE	5/6/1 Air (21)	DATE	18 DEC 73	REFERENCES
TO	DAFI / IR2	ATTENTION	DAFI IR2			
SUBJECT	UNUSUAL AERIAL SIGHTING REPORT					

1. Enclosed is an initial UAS report from Mr L.A. JONES of HIGHETT VIC.

2. The comprehensive report differs from the initial telephone report made to the duty staff officer HQSS 23 NOV 73



SIGNATURE	NAME	RANK	APPOINTMENT	PHONE NO
	R. O. GIBBS	Flg Off	INT J	7410



REF:- 5/6/1 AIR. 15.
23/11/73

048530

REPORT OF UNUSUAL AERIAL SIGHTING

Part 1 - Report by Observer

1. Name of observer L. A. JONES Age 35
NB * Address 12/15 KAREN ST HIGGETT
State VIC Postcode 3190
Occupation ENGINEER
Phone (home) (business)

2. Exact location of observer JACK RD CHELTENHAM.

3. Start of observation: Date 21/11/73 Time 4-11 3-50 am/pm
End of observation: Date 21/11/73 Time 4-14 3-52 am/pm

4. Accuracy of date ✓ Times ✓

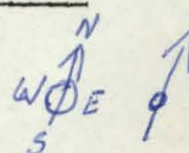
5. Weather conditions at time of observation, referring to cloud, wind, visibility etc
21/11/73 CLEAR GOOD VISIBILITY
22/11/73 LIGHT CLOUD

6. In what direction was the sighting first observed?

At what angle to the horizon?

21/11/73 OVERHEAD MOVING AWAY
SOUTH TO NORTH.

You 90° 45° 0°
Horizon



7. In what direction was the sighting last observed?

22/11/73 45° - 0° NW. TO SE

At what angle to the horizon?

45°

You 90° 45° 0°
Horizon

8. Estimate of distance and/or altitude from observer

IMPOSSIBLE TO SAY

9. Describe (overleaf) the object(s)/light(s) in your own words, referring to the number, colour, size, shape, brightness (relative to full moon/star), movement, sound, speed, method of propulsion, manner of disappearance and any other unusual features. If possible provide sketch.

C INTELL
17/10/73

/9. (cont'd)

CINT2 LO
5/6/1/AIR.

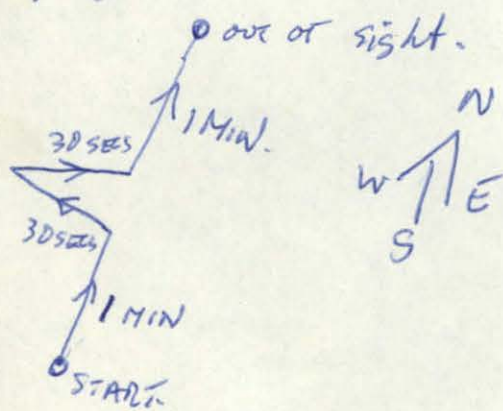
21/11/73

4-11 to 4-14 AM.

Size of large star and very bright. No flickering or visible colour.

Saw overhead and moving away to north. a very high speed.

Went out of sight after changing course as shown.



22/11/73.

3-50 — 3-52 AM.

As 21/11/73

Moving N.W. to S.E. in straight course.

went out of sight above clouds.

10. Have you any photographs of the sighting, or is there any physical evidence of fragments, scorching or ground indentations? No.

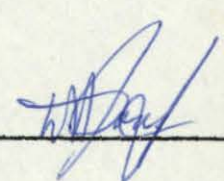
11. How many other witnesses to the sighting? (Please provide names and addresses if possible) 3.

L. GOGGERLEY 80A WHITEHORSE RD RINGWOOD.
R. SMITH HOMERAYS JACK RD CHALTONHAM.

12. Any additional comments you wish to make.

L. Goggerley is willing to complete details if required but R. Smith still thinks that it is a waste of time and requested that his home address be withheld.

Date 11/12/73

Signature 

Part 2 - Unit Report

L. JONES

1. a. Details of military aircraft in the area at the time of sighting.

Type	Heading	Height	Speed	Departed from	ATD	Destination	ATA
Not compatible with description							

Source of information _____

- b. Details of civil aircraft activity, including light private aircraft and international flights, in the area at the time of the sighting.

Type	Heading	Height	Speed	Departed from	ATD	Destination	ATA
Not compatible with description							

Source of information _____

2. Give the bearing, elevation and movement of any planets or major stars that were in that portion of the sky at the time of the sighting.

Source of information _____

3. Details of any predicted satellites, rockets, comets or meteorite activity in the area at time of the sighting.

None available for times stated.

22 NOV 035610 OAO-A2 Rocket Az 11, El 58, Headg 99°.

Source of information Visible Satellite Passes Bulletin

4. Details of any meteorological, research or radar balloons known to have been in the area at the time of sighting (refer to point of release, size, colour, ROC, wind profile and whether it was known to have burst)

Source of information _____

5. Details of any unusual radar traces or images which may relate to the sightings, as recorded by military or civil networks

Source of information _____

6. Provide the following information relating to the weather and atmospheric conditions at the time of the sighting:

Temperature (dry bulb) 12 °C (^{DP} wet bulb) 9 °C Relative Humidity 82 %

Cloud Cover 7 to 8/8 Cu St Cu 2-3,000' type _____

Temperature inversion of 5 °C at 7,500 ft measured at 2300 hrs from LAV.

Wind direction 180 @ 14 at 3,000 ft
180 16 at _____ ft
230 22 at _____ ft
240 24 at _____ ft

Pollution level _____

7. Details of terrain and natural and/or man-made features in the area (Attach map with significant points marked, if possible)

Part 3 - Investigating Officer's Evaluation

1. a. Date of interview _____
 b. Place of interview _____
2. Names and addresses of persons interviewed (include
 phone numbers where applicable)
 1. _____ 2. _____

 3. _____ 4. _____

3. Narrative evaluation of personalities of witnesses
 (include any relationship with UFO organizations and their
 interest in subject matter).

4. Investigating Officer's evaluation of possible cause(s).

1. Has to be natural or man made satellite.
Thirty second deviation to W on 21 NOV 73 sighting could be
eye strain from no fixed optical reference point or
observer staggering from spinal pressure or nerve induced
by looking up. Does not confirm initial report (attached).

2. Perhaps the letter of appreciation could be sent to R. Smith
 HQSCU (Unit) R. O. GIBBS (Name)

 17 DEC 73 (Date) Flg Off. (Rank)

INITIAL UNUSUAL AERIAL SIGHTING REPORT

1. Name of Observer: ... MR. L. JONES
2. Address of Observer: ... 15 CANNON STREET
... HIGHETT.
3. Date and time of start of observation:
... 20th NOV 73 AT 0411 AM AND AGAIN ON
... 21st NOV 73 AT 0408 AM.
4. Duration of observation: ... ONE TO ONE AND A HALF
... MINUTES.
5. Observer's location at time of sighting:
... CHELTEMHAM.
6. Brief description of object(s): ... BOTH TIMES...
... APPEAR AS A BRIGHT STEADY MOVING WHITE LIGHT
7. Object's bearing when first observed:
.....
8. Direction of travel: ... NORTHERLY ON 20th NOV
... AND NORTH TO NORTH EAST ON 21st NOV
9. Speed: ... UNKNOWN BUT FASTER THAN AN AIRCRAFT
10. Angle of elevation: ... APPEARED HIGH IN SKY TO
... OBSERVER
11. Object's bearing when last observed:
... UNKNOWN DISAPPEARED IN CLOUD EACH TIME

ABOVE DETAILS REPORTED TO DUTY STAFF OFFICER
AT 0100 HR ON 23rd NOV 73.

John Baldwin Son LOR
DUTY OFFICER
HEADQUARTERS
SUPPORT COMMAND

12 Nov 73

SIGHTING # 8

LAUNCESTON
TAS

R.L. ORPWOOD

FROM DEFAIR	FILE 5801/1, P. 33 (85)	DATE 29 JAN 74	REFERENCES TASATC 5/2/AIR (56) OF 10 DEC 73
TO TASATC SUBJECT REPORTS OF UNUSUAL AERIAL SIGHTINGS			

Enclosed, for your records, is a copy of a letter to Mr. R. H. Orwood in reply to his report of an unusual aerial sighting.

ENCLOSURE: Copy of letter to Mr. R. H. Orwood.

SIGNATURE M. GRETTON	NAME M. GRETTON	RANK FLIGHT	APPOINTMENT IR-2	PHONE NO 2408
-------------------------	--------------------	----------------	---------------------	------------------

15 JAN 1974

(AIR OFFICE)

580/1/1 Pt33 (8a)

Mr R. L. Orpwood,
19 Denison Road,
LAUNCESTON. TAS. 7250

Dear Sir,

With reference to your report of an unusual aerial sighting on 12th November 1973, it has been determined that the most probable cause was a light aircraft.

On the evening of the sighting, a Cessna 172 (VH-KOU), landed at Launceston from Bairnsdale at 08.27 p.m.. The aircraft overflew Cape Portland and Lilydale on route to Launceston. The tower controller at Launceston has advised that a single landing light was illuminated on the aircraft between Lilydale and Launceston. The light would have appeared stationary while the aircraft was travelling towards you and would have been obscured from your view as it moved south of Launceston towards the airport, thus accounting for the black object without lights described in your report.

We trust that this explanation is satisfactory, and thank you for your report.

Yours faithfully,

F. J. Odgers
Dated
14 Jan 74

G. J. Odgers
(G. J. ODGERS)
Director of Public Relations



ROYAL AUSTRALIAN AIR FORCE

TELEPHONE: 237686

Tasmanian Squadron Air Training Corps
RAAF
8 Fitzroy Place
HOBART TAS 7005

IN REPLY QUOTE 5/2/Air(56)

10th December 1973

DAFI (1R2)

Department of Air (1R2) ✓

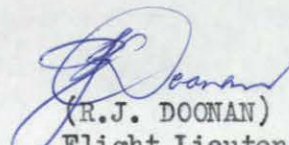
For Information:

Headquarters Support Command (C Intel 0)

UNUSUAL AERIAL SIGHTINGS

Reference: A. Headquarters Support Command ASI 3/3

Enclosed are two Unusual Aerial Sighting Reports completed in accordance with the reference.


(R.J. DOONAN)
Flight Lieutenant
T/Commanding Officer

Enclosures:

1. Report of Unusual Aerial Sighting - Orpwood
2. Report of Unusual Aerial Sighting - Van Zyl



1973-12-17

1973-12-17

1973-12-17

1973-12-17

1973-12-17

1973-12-17

1973-12-17

1973-12-17

1973-12-17

1973-12-17

1973-12-17

1973-12-17



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REPORT ON UNUSUAL AERIAL SIGHTING

Part 1 - Report by Observer

(As a preliminary to completing this form, the observer is invited to describe the sighting in his or her own manner, using either separate sheets or the back of this form.)

1. Name of observer **Ronald Leslie Orpwood** Age **43**
2. Address of observer **19 Denison Road Launceston, Tasmania.**
..... Phone **31 2427**
3. Occupation of observer **Advertising Manager**
4. Date and time of start of observation **12/11/73 approx. 8.20 p.m.**
How certain is the date? **Certain**
How accurate is the time of start? **Within 2 to 3 minutes.**
5. Duration of observation **Approximately 5 minutes.**
How accurate is your estimate? **completely**
6. Observer's location at time of sighting
..... **19 Denison Road, Launceston.**
How familiar is observer with this locality? **Home Site.**
7. Weather conditions at time of observation **Clear visibility - some**
..... **cloud - approaching dusk.**
8. Describe any aids/equipment used in the observation **None**
.....
9. Where was object first observed? :
a. Relative to your surroundings **Approximately due North and at an**
..... **estimated distance of approximately 15-20 miles.**
b. angle of elevation **Approx. 30 degrees**
c. compass angle bearing **North**
d. how accurate are these estimates? **within low margin error.**
10. What first attracted observer's attention? **Bright light - rising**
..... **above horizon- travelling south - then stationary for approx. 5 minutes.**
11. If there was more than one light/object :
a. how many were there? **Only one.**
b. in what formation were they? **solitary**
12. What was the colour of the light or object? **Yellow - later in flight**
..... **black without lights.**

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- 2 -

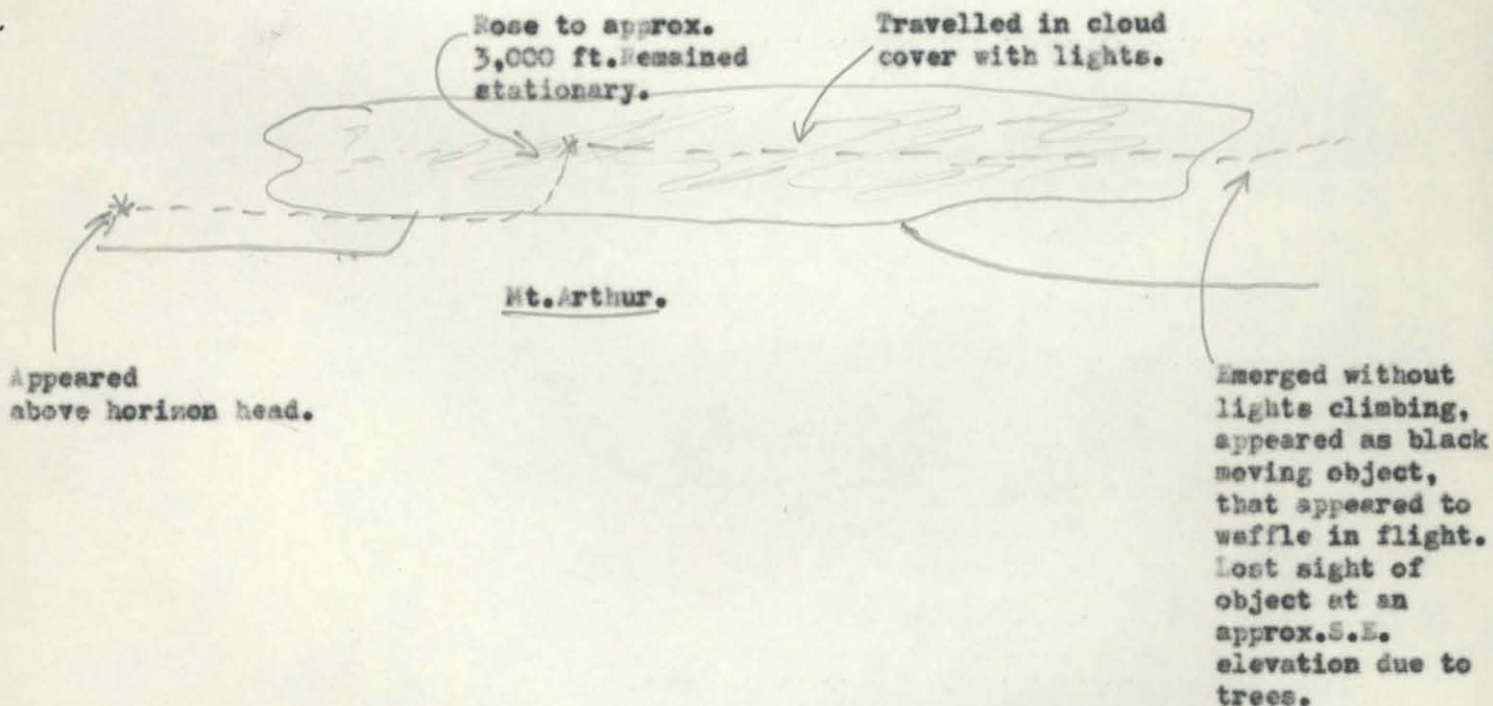
13. What was the brightness? (compare with full moon or common light source at a stated distance, e.g. ordinary street light at 100 yards)
Comparable in brilliance to bright evening star but larger.
14. What was the apparent size at nearest approach? :
a. relative to Venus or Moon Approx. 3 times observed size of Venus
b. relative dimensions in inches at arm's length (about 20 inches from the eyes) Impossible to estimate
15. What were the bearing and elevation angles at nearest approach and how were these values assessed? Approx. north-east - 30° elevation.
16. Was any method of propulsion obvious? No.
17. Describe any sound heard, including changes in pitch and intensity
None
18. What was the maximum and minimum angle of elevation (or height, if an estimate can be justified)? Horizon level - 30° - climbing to approx. 45° when last sighted.
19. What was the maximum and minimum angular velocity (or speed, if an estimate can be justified)? If necessary, compare with the movement of familiar objects at stated distances comparable with civil aircraft at same distance
20. Give duration of any stationary phases Stationary for approx. 5 minutes.
21. Describe any deviations or manoeuvres Appeared to waffle in flight
22. Describe any trail of exhaust, vapour or light seen wasn't in flight for portion of observation.
23. Where was object last observed :
a. relative to your surroundings Approx. S.E. travelling south
b. angle of elevation Approx. 40 - 45°
c. compass angle bearing SE
24. What was the manner of its disappearance? Climbing direct flight
25. Do you know of any associated physical evidence (such as fragments, photographs, scorching ground indentations, residual magnetism or radioactivity etc) No
26. State any training which enables observer to be reasonably certain of his/her ability to estimate angles and angular velocity some air force and army experience.
27. How many witness to the sighting? 4 persons

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- 3 -

28. Do you know of witnesses to similar sightings in the area?
..... No
29. What natural phenomenon (or phenomena) would be nearest to explaining your observation? manned flight
30. What are your main reasons for excluding this explanation?
..... Brilliance of light - stationary period - manoeuvres.
31. Please sketch the light/object with all details. If appropriate, sketch position and/or movement of object in relation to your surroundings. Use back of form, if needed.



Signature R.L. ORPWOOD. Date 13/11/73.

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Part 2 - Unit Evaluation

32. The following military aircraft were in the vicinity of the reported UFO position at the time : **NIL**
- A/C type(1).....(2).....(3)
- HeadingT T T
- Height,000 ft,000 ft,000 ft.
- Speed K K K
- ATD/ATA* hrs hrs hrs
33. The following civil aircraft were in the vicinity of the reported UFO **C172 VH-KOU Bairnsdale to Launceston tracking Cape Portland-Lilydale-Launceston** position at the time :
- A/C type **C172**(1).....(2).....(3)
- Heading **Approx. 180°** T T T
- Height **Desc from 3,000** ft ,000 ft ,000 ft.
- Speed **Tas 120** K K K
- ~~ATD/ATA*~~ **0927Z** hrs hrs hrs
- * Give location of nearest ATD or ATA
34. Observer's location : Latitude **41° 28'S** Longitude **147° S.E.**
35. Give bearing and elevation of any planets and major stars that were in that portion of the sky at that time. By day, give location of Venus only
36. A meteorological balloon was released from **Launceston Airport** at **0840**Z Colour **White** Weight **100**gm
- ~~Radio-sonde~~ **/ radar ** : ~~Candle~~ **/ ~~battery~~ ** (** delete as required)
- General wind profile **0-3000 300/34 4000/10000 270/40 11000/20000 270/50**
- Maximum height tracked **approx. 4,000** ft at **0915**Z
- Was it known to have burst? **Yes**
37. The first significant temperature inversion was of **1.0** °C at **24000** ft, measured at **1000**Z hrs from **Hobart Airport** station.
38. Any remarks on satellites, rockets, research balloons, comets meteorites etc. relevant to the sighting
39. When an aircraft is a possible identification, include radar trace

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if available, and ascertain which of the aircraft lights were operating
VH-KOU C172 One landing light

40. The cause (or likely cause) of the sighting can*/cannot* be
determined.
41. The object reported probably was*/may have been* (delete as required)
.....

VH-KOU C172 Bairnsdale to Launceston.
Tower Controller reports aircraft had a single landing light switched on
during approach from Lilydale. The aircraft was flying just below a cloud
base of approx. 3000 ft. which caused some reflection of an unusual nature.

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LAUNCESTON O.C.C.(Unit) J. GIBBS(Name)
13/11/73(Date) S.O.C(Rank)

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INVESTIGATING OFFICER'S REPORT
ON THE UNUSUAL AERIAL SIGHTING
SEEN FROM LAUNCESTON ON
12TH NOVEMBER 1973

INTRODUCTION

1. On the 13 Nov 73 the Senior Operations Controller (SOC) at LAUNCESTON airport received a telephone call from Mr R.L. ORPWOOD reporting the sighting of an unusual aerial object near MT ARTHUR at about 2020 hours (LST) on 12 Nov 73.
2. The SOC completed Parts I and II of the Report on an Unusual Aerial Sighting and despatched it through DCA channels.

STATEMENT BY THE WITNESS

3. The investigating officer interviewed Mr ORPWOOD who stated that on the evening of 12 Nov 73 at about 2020 hours (LST) he observed a bright light to the north-east of LAUNCESTON in the area of MT ARTHUR, which is located 15 miles north-east of LAUNCESTON. Mr ORPWOOD said the object was moving in a southerly direction but appeared to remain stationary for a few minutes at one stage of the flight. The object was at an angle of elevation of about 30 degrees above the horizon. Just before disappearing from sight, Mr ORPWOOD said the light was extinguished but he could see an indistinct object where the light had been.

QUALITY OF THE EVIDENCE

4. Mr ORPWOOD appeared to be a sensible person and not prone to imaginative thinking.

POSSIBLE EXPLANATIONS

5. The following aspects were considered in attempting to find a satisfactory explanation:
 - a. Aircraft. At about the time of the observation a civil Cessna 172 aircraft was on-route BAIRNSDALE to LAUNCESTON, tracking via CAPE PORTLAND and LILYDALE. The route from LILYDALE to LAUNCESTON passes close to MT ARTHUR and the aircraft is estimated to have been in the MT ARTHUR area at the time of the sighting. The actual time of arrival of the aircraft at LAUNCESTON airport was 0927Z (2027 LST). The aircraft is

/reported

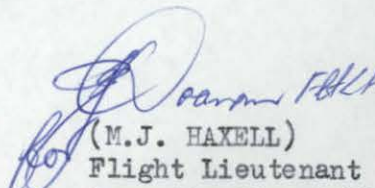
reported by the control tower operator, to have had its landing light turned on during flight.

- b. Visible Satellites. There were no confirmed visible satellite passes at the time of the sighting.
- c. Meteorological Balloons. A meteorological balloon was released from LAUNCESTON airport at 0840Z. With the prevailing west to north-west winds the balloon would have drifted to the east. The balloon was tracked to 40,000 feet at 0915Z and is known to have burst.
- d. Local Phenomena. There is no local phenomena in the area of MT ARTHUR that may have affected the sighting.
- e. Meteorological Conditions. At 0930Z the meteorological conditions recorded at LAUNCESTON airport were:
 - visibility - 25NM
 - cloud - 2/8 Cu and Sc base 3000 feet
3/8 Cu base 10000 feet
 - surface wind - light tending north-west at 2 Kts
 - inversions - a 1°C inversion at 2400 feet was measured at 1000Z.
- f. Celestial Bodies. The positions of the various planets are not recorded in this report as they are not considered to have any bearing on the sighting.

CONCLUSION

6. The most probable cause of the sighting was the light aircraft inbound to LAUNCESTON airport from LILYDALE. The control tower operator, at LAUNCESTON, reported that the aircraft had its landing light on during the flight from LILYDALE which caused some unusual reflections off the cloud base. This is confirmed by the aircraft's position and the meteorological conditions in the area at the time of the sighting.

TASATC
28Nov73


(M.J. HAXELL)
Flight Lieutenant
Investigating Officer

5 OCT 73

SIGHTING # 7

EVANDALE

T.A. VAN ZYL

TAS

FROM DEFAIR	FILE 580/1/1 P 33 (7b)	DATE 10 JAN 74	REFERENCES TASATC 5/2/AIR(SG) OF 10 DEC 73
TO TASATC	ATTENTION FLY HT DOOLAN		
SUBJECT REPORTS OF UNUSUAL AERIAL SIGHTINGS			

Enclosed, for your records, is a copy of a letter to Mr T. A. Van Zyl in reply to his report of an unusual aerial sighting.

ENCLOSURE Copy of letter to Mr T. A. Van Zyl.

SIGNATURE M. Cretton	NAME M. CRETTON	RANK FLY OFF	APPOINTMENT IS-2	PHONE NO 2405
-------------------------	--------------------	-----------------	---------------------	------------------

(AIR OFFICE)

580/1/1 Pt33 (7a)

- 9 JAN 1974

Mr T.A. Van Zyl,
C/- Police Headquarters (Licensing and Gaming),
LAUNCESTON. TAS. 7250

Dear Sir,

With reference to your report of an unusual aerial sighting on 5th October 1973, it has been determined that the most probable cause was a satellite.

Since 1957, 6902 man-made objects have been launched and currently there are 2993 still in space. Predictions are made for visible passes over major Australian cities of about twelve long lived satellites of optimum visible magnitude. Other bright objects sighted could be short-lived satellites or other items of space associated equipment. The opinion of the investigating team is that you probably sighted an unpredicted satellite. The apparent zig-zag movement in the latter stages of the sighting could feasibly have been caused by the object being sighted through varying atmospheric density layers thus causing refraction of the reflected light.

We trust that this determination is satisfactory and thank you for your report.

Yours faithfully,

G. J. Odgers

(G. J. ODGERS)
Director of Public Relations

*28
Sqn Ldr
800/1/1
20 Dec 73*

*Sup by AR
9.1.74
W*

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REPORT ON UNUSUAL AERIAL SIGHTING

Part 1 - Report by Observer

(As a preliminary to completing this form, the observer is invited to describe the sighting in his or her own manner, using either separate sheets or the back of this form.)

- T.A. Van Zyl 25
1. Name of observer Age
2. Address of observer C/- Police H.Q. Launceston
(Licensing & Gaming) Phone 31 6111 ✓
3. Occupation of observer Police Officer
4. Date and time of start of observation 5th October '73, 8.05 pm.
How certain is the date? VERY SURE
How accurate is the time of start? VERY ACCURATE
5. Duration of observation 3 minutes (APPROX)
How accurate is your estimate? Very
6. Observer's location at time of sighting Ryandale
.....
How familiar is observer with this locality? VERY FAMILIAR
7. Weather conditions at time of observation Clear - NIL CLOUD
.....
8. Describe any aids/equipment used in the observation Nil
.....
9. Where was object first observed? :
a. Relative to your surroundings Travelling towards the East
from Postins (FROM THE WEST)
60°
b. angle of elevation
c. compass angle bearing To West
d. how accurate are these estimates? Reasonably
10. What first attracted observer's attention? Movement of lighted
object in relation to stars
.....
11. If there was more than one light/object : One only
a. how many were there?
b. in what formation were they?
White light
12. What was the colour of the light or object?

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- 2 -

13. What was the brightness? (compare with full moon or common light source at a stated distance, e.g. ordinary street light at 100 yards)
Same intensity as stars (BRIGHT STAR)
14. What was the apparent size at nearest approach? :
a. relative to Venus or Moon Same size as normal star
b. relative dimensions in inches at arm's length (about 20 inches from the eyes) Appeared to be very high, was very small
15. What were the bearing and elevation angles at nearest approach and how were these values assessed? From 60° to the Horizon (estimated)
16. Was any method of propulsion obvious? No.
17. Describe any sound heard, including changes in pitch and intensity
None
18. What was the maximum and minimum angle of elevation (or height, if an estimate can be justified)? See question 15
19. What was the maximum and minimum angular velocity (or speed, if an estimate can be justified)? If necessary, compare with the movement of familiar objects at stated distances
Similar to a satellite.
20. Give duration of any stationary phases None
21. Describe any deviations or manoeuvres Appeared to zig-zag for last 10-15 secs., before disappearing.
22. Describe any trail of exhaust, vapour or light seen Light
23. Where was object last observed :
a. relative to your surroundings TO THE EAST
b. angle of elevation
c. compass angle bearing EAST.
24. What was the manner of its disappearance? Faded from view
25. Do you know of any associated physical evidence (such as fragments, photographs, scorching ground indentations, residual magnetism or radioactivity etc) NIL
26. State any training which enables observer to be reasonably certain of his/her ability to estimate angles and angular velocity
NIL
27. How many witness to the sighting? Two

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- 3 -

28. Do you know of witnesses to similar sightings in the area?
..... No
29. What natural phenomenon (or phenomena) would be nearest to explaining your observation? Satellite, but appeared to zig-zag
for last ¹⁰⁻¹⁵ secs. of sighting.
30. What are your main reasons for excluding this explanation?
..... NO REASONS
31. Please sketch the light/object with all details. If appropriate, sketch position and/or movement of object in relation to your surroundings. Use back of form, if needed.

A Mr. E. Swindells, ex D.C.A. and now employed by the P.M.C. at Launceston P.O. (address 12 Janefield St.) saw the same phenomena from the school ground of the Howbray School, at exactly the same time. He describes it as a satellite but was puzzled by the last 5 secs. of the sighting when the light became diffused and elongated

(C.S. DEAN LT. OPERATIONS)

MR SWINDSELLS could not be contacted for an interview.
Hydrexill error.

T.A. Van Zyl

5/10/73

Signature Date

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Part 2 - Unit Evaluation

32. The following military aircraft were in the vicinity of the reported UFO position at the time : NIL
- A/C type(1).....(2).....(3)
- HeadingT T T
- Height ,000 ft ,000 ft ,000 ft.
- Speed K K K
- ATD/ATA* hrs hrs hrs
33. The following civil aircraft were in the vicinity of the reported UFO position at the time : NIL
- A/C type(1)(2)(3)
- Heading T T T
- Height ,000 ft ,000 ft ,000 ft.
- Speed K K K
- ATD/ATA* hrs hrs hrs
- * Give location of nearest ATD or ATA
34. Observer's location : Latitude EVANGALG TAS
41° 35' S Longitude 147° 16' E
35. Give bearing and elevation of any planets and major stars that were in that portion of the sky at that time. By day, give location of Venus only SEE REPORT.
36. A meteorological balloon was released from LAUNKESTON AIRPORT
at 1. 1030Z Colour WHITEWeight.....gm
2. 1055
Radio-sonde **/ radar ** : Candle **/ battery** (** delete as required)
General wind profile SE 10KTS
1. 2430 M 1. 1036 Z
Maximum height tracked 2. 2470 M ,000 ft at 2. 1101 ZZ
Was it known to have burst? YES.
37. The first significant temperature inversion was of 3 °C at
6000 ft, measured at 1100 Z hrs from LAUNKESTON
HOBART.
station.
38. Any remarks on satellites, rockets, research balloons, comets meteorites etc. relevant to the sighting SEE REPORT
39. When an aircraft is a possible identification, include radar trace

RESTRICTED

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-5-

if available, and ascertain which of the aircraft lights were operating

..... *NIL*

40. The cause (or likely cause) of the sighting can*~~/cannot~~* be determined.

41. The object reported probably was*~~/may have been~~* (delete as required)

..... *A SATELLITE*

..... *TASATC (LANCOSTON)* (Unit) *M. J. HAXELL* (Name)
..... *12 Nov 73* (Date) *FLY LT* (Rank)

RESTRICTED

INVESTIGATING OFFICER'S REPORT
ON THE SIGHTING OF AN UNUSUAL
AERIAL OBJECT AT EVANDALE
TASMANIA ON 5TH OCTOBER 1973

INTRODUCTION

1. On the 5th October 1973 the Operations Controller at LAUNCESTON airport received a report from Constable T.A. VAN ZYL regarding the sighting of an unusual aerial sighting at EVANDALE at about 2005K that evening.
2. The Operations Controller completed Part I of the Report on an Unusual Aerial Sighting and despatched it to the RAAF.

STATEMENT BY THE WITNESS

3. The investigating officer interviewed Constable VAN ZYL, who stated he was standing outside the police station at EVANDALE when he noticed a single white light travelling across the sky. VAN ZYL stated the light was about the same intensity as a bright star and was travelling from the west to the east. The witness watched the light for about three minutes before it disappeared from his view in the eastern sky. He said the light did not make any deviations in heading, except for a slight 'zig - zag' for about 10 to 15 seconds before disappearing. VAN ZYL then reported his sighting to DCA.

QUALITY OF THE EVIDENCE

4. Constable VAN ZYL appeared to be a sensible person and not prone to imaginative thinking.

POSSIBLE EXPLANATIONS

5. The following aspects were considered in attempting to find a satisfactory explanation:
 - a. Aircraft. There were no reported aircraft movements in the area at the time of the sighting.
 - b. Visible Satellites. This sighting is considered to have been caused by a satellite. However, the investigating officer was unable to confirm the presence of visible satellites at the time of the sighting.


/Meteorological

- c. Meteorological Balloons. There were no recent meteorological balloon releases that may have affected the sighting.
- d. Local Phenomena. There is no local phenomena that may have affected the sighting.
- e. Meteorological Conditions. At 2030 the weather conditions at LAUNCESTON airport were:
- | | | |
|--------------|---|-----------------------|
| General Wind | - | South east at 10Kts |
| Visibility | - | Unlimited |
| Cloud | - | Nil significant cloud |
| Inversions | - | 3°C at 6000 feet |
- f. Celestial Bodies. The positions of the major planets are not recorded in the report as they are not considered to have any bearing on the sighting.

CONCLUSION

6. The most probable cause of the white light seen by Constable VAN ZYL was the transit, across the sky, of a satellite. The duration of the observation, brightness of the light and general description support this conclusion. The deviations performed by the light, just before it disappeared, could have been due to atmospheric disturbances refracting the light from the satellite.

TASATC
16 Nov 73


(M.J. HAXELL)
Flight Lieutenant
Investigating Officer

16 OCT 73

SIGHTING # 6

NEW IRELAND
PNG

I. V. KNOX

FROM	DEF AIR	FILE	580/1/1 P 33 (65)	DATE	8 JAN 73	REFERENCES	109-DI-11(71) OF 5 DEC 73
TO							
SUBJECT	HOPNG FOR MAT. B P DOYLE						
REPORTS OF UNUSUAL AERIAL SIGHTINGS							

Enclosed, for your records, is a copy of a letter from this Department to Mr. I. V. Knox in reply to his report of an unusual aerial sighting.

Enclosure: Copy of letter to Mr. I. V. Knox.

SIGNATURE	NAME	RANK	APPOINTMENT	PHONE NO
M. Cretton	M. CRETTON	FLIGHT	12-2	2408

(AIR OFFICE)

580/1/1 Pt 33 (6a)

19 DEC 1973

Mr I.V. Knox,
Patrol Post,
Konos
NEW IRELAND. PNG

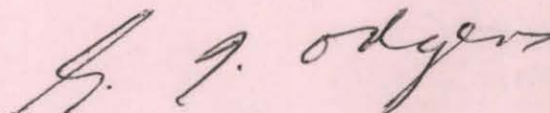
Dear Sir,

With reference to your report of an unusual aerial sighting on 16th October 1973, it has been determined that the most probable cause was the planet MARS.

At 1800 hours on 16th October, MARS would have been visible with a magnitude of -2 just above the horizon on a bearing of about 75°. The planet was rising and when finally sighted was at an elevation of about 30° on approximately the same bearing. Atmospheric conditions prevailing at the time could feasibly account for the apparent increased magnitude and distortion of the planet.

We trust that this explanation is satisfactory and thank you for your report.

Yours faithfully,



(G. J. ODGERS)
Director of Public Relations

*Shawn
Don
17 Dec 73*

*Les p-g 8/12
20.12.73*



Telephone 56166

Quote in Reply

109-D1-11(71)

DEPT. OF AIR
580/1/1
DAFI 27/1/73
Headquarters
Papua New Guinea Defence Force
Murray Barracks Free Bag
BOROKO PNG

5th December 1973

Department of Defence (Air Office)

Russell Offices

CANBERRA ACT 2601

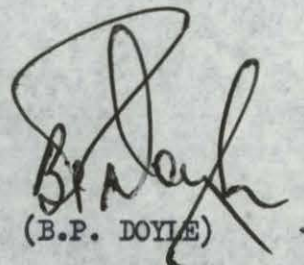
For Information

Headquarters Operational Command RAAF PENRITH NSW 2750

UNUSUAL AERIAL SIGHTING

Reference: Air Office 580/1/1 (Pt31) (File)

1. Enclosed one report of an unusual Aerial Sighting from Patrol Officer I. V. Knox from KRONOS, north east coast of New Ireland PNG.


(B.P. DOYLE)

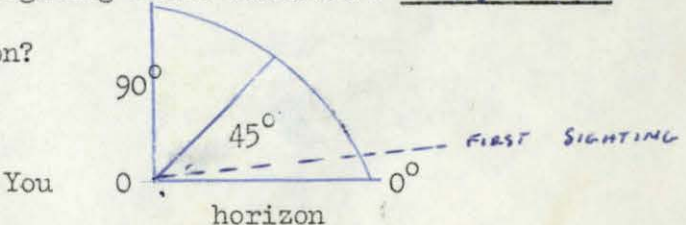
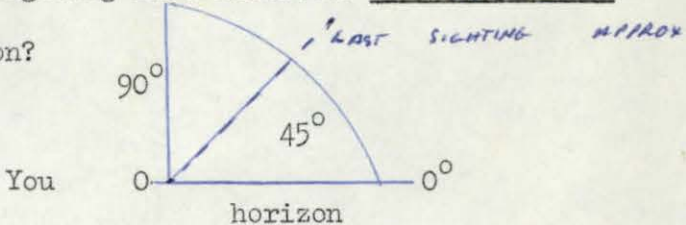
MAJOR

For Commander



REPORT OF UNUSUAL AERIAL SIGHTING

PART ONE - REPORT BY OBSERVER

1. Name of observer IAN VICTOR KNOX Age 26
Address PATROL POST KONO
NEW IRELAND DISTRICT P.N.G.
Occupation PATROL OFFICER
Phone (home) RABALA OUTSTATIONS (business) _____
2. Exact location of observer PATROL POST KONO
3. _____
3. Start of observation: Date 16/10/73 Time 1800 am/pm
End of observation: Date " Time 2000 am/pm
4. Accuracy of date EXACT times EXACT
5. Weather conditions at time of observation, referring to cloud, wind, visibility etc. CLEAR, COOL NIGHT, NIL CLOUD
OR WIND, VISIBILITY GOOD.
6. In what direction was the sighting first observed? 75° E
At what angle to the horizon?

7. In what direction was the sighting last observed? 77° E
At what angle to the horizon?

8. Estimate of distance and/or altitude from observer 6000 + feet altitude
Distance unknown.

/8. Estimate

9. Describe the object(s)/light(s) in your own words, referring to the number, colour, size, shape, brightness (relative to full moon/star), movement, sound, speed, method of propulsion, manner of disappearance and any other unusual features. If possible provide a sketch.

The object was a yellowish red in colour and first appeared slightly above the horizon at 1800 hr. It travelled slowly until approximately 45° from the horizontal at 2000, at which time sighting was lost. The object was extremely bright and at first resembled a signal flare. It cast a yellowish ^{reflection} shadow on the water. It appeared to be approximately 2 to 3 times the size of an average star. At times it appeared to be stationary, however this could be confused with its slow rate of travel. At times it appeared to rotate, however the brilliance of its light could have distorted this. It made no sound that I am aware of and I gained no indication of its method of propulsion. Its real shape was distorted by its lighting and it gave the impression of looking at a spot light. Its reflection on the water was quite apparent.

10. Have you any photographs of the sighting, or is there any physical evidence of fragments, scorching or ground indentations?

Nil

11. How many other witnesses to the sighting? (Please provide names and addresses if possible)

MR. J. ANDERSON - 36 KINGS AVENUE ST. ANNAUD VIC

(VISITING AT THE TIME)

MRS B. RICHARDS - PATROL POST WONDOS - SIGHTING ON 18/10/73.

12. Any additional comments you wish to make.

The object / light was seen at the time - 16/10/73 - by both myself and Mr. Anderson and was again - on a like object - by Mrs. Richards two nights later on the 18th of October. She drew it to my attention and it appeared to be the same object / light. The reflection and appearance was the same. However it appeared to be somewhat higher at approximately 60° - 65° above the horizontal.

DATE

20/11/73.

SIGNATURE



PART TWO - UNIT REPORT

1. a. Details of military aircraft activity in the area at the time of the sighting.

Type	Heading	Height	Speed	Departed from	ATD	Destination	ATA

Source of information NO AIRCRAFT HQ PNG DP OPS

- b. Details of civil aircraft activity, including light private aircraft and international flights, in the area at the time of the sighting.

Type	Heading	Height	Speed	Departed from	ATD	Destination	ATA

Source of information NO AIRCRAFT DCA

2. Give the bearing, elevation and movement of any planets or major stars that were in that portion of the sky at the time of the sighting.

MARS RISING IN THE EAST

Source of information AIR ALMANAC

3. Details of any predicted satellites, rockets, comets or meteorite activity in the area at the time of the sighting.

PAGEOS 1 16 OCT 73 1823-2122 K. Az 88-266

ELEVATION 35-47° HEADING 357

Source of information WRE SATELLITE LOOK ANGLE FOR BOEING

/4. Details

- Nil

MOORE WTR.

- Nic.

- Temperature inversion of _____ C° at _____ Ft measured at _____ Hrs.
from _____

at _____ ft

Vis 30nm

-
- This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

PART THREE - INVESTIGATING OFFICER'S EVALUATION

1. a. Date of interview _____
b. Place of interview _____
2. Names and addresses of persons interviewed (include phone Nrs where applicable)
 1. _____ 2. _____

 3. _____ 4. _____

3. Narrative evaluation of personalities of witnesses (include any relationship with UFO organizations and their interest in subject matter).

4. Investigating officer's evaluation of possible causes.

*This sighting is almost certainly
man using seen through ground haze.*

Unit HQ PNG DF

Name R. K. MARSHALL

Date 2 DEC 73

Rank FLT LT

10 NOV 73

SIGHTING # 5

FLYNN

ACT

MR. MRS J. BELL

FROM DEFAIR	FILE 580/111 P 33 (56)	DATE 17 DEC 73	REFERENCES HOFBN 5/4/AIR (HS) OF 6 DEC 73
TO HOFBN	ATTENTION ADMINISO		
SUBJECT REPORTS OF UNUSUAL AERIAL SIGHTINGS			

Enclosed, for your records, is a copy of a letter to M. J. Bell in reply to his report of an unusual aerial sighting.

Enclosure: Copy of letter to M. J. Bell

SIGNATURE M. J. Bell	NAME M. J. BELL	RANK FLY OFF	APPOINTMENT 12.2	PHONE NO 2405
-------------------------	--------------------	-----------------	---------------------	------------------

(AIR OFFICE)

580/1/1 Pt33 (5a)

14 DEC 1973

Mr D. Bell,
22 Inlander Crescent,
FLYNN. A.C.T. 2615

Dear Sir,

With reference to the report of an unusual aerial sighting on 10th November 1973, submitted by your wife and yourself, it has been determined that the most probable cause was the planet VENUS.

At 11.00 p.m. on the day of the sighting, VENUS was visible with a magnitude of -4 at an elevation of about 5° on a bearing of about 245°. The planet was setting and would have disappeared below the horizon shortly after 11.00 p.m..

We trust that this explanation is satisfactory, and thank you for your report.

Yours faithfully,

G. J. Odgers
(G. J. ODGERS)
Director of Public Relations

*Not
Resp by DHR
14.12.73
x*

FROM	HQFBN	FILE	5/4/AIR(45)	DATE	6 DEC 73	REFERENCES
TO	DAFI DEPAR ^{INFO} HQOC	ATTENTION	DAFI	580-1-1 DAFI 27-137		
SUBJECT	UNUSUAL AERIAL SIGHTING					

Forwarded herewith is a report by
FLT LT J.B. O'NEILL CDR 5 BN following
his investigation of an alleged
unusual aerial sighting.

SIGNATURE	NAME	RANK	APPOINTMENT	PHONE NO
<i>J. Gordon</i>	J. B. GORDON	Warrant Officer	Admin B	248

REPORT ON UNUSUAL AERIAL SIGHTING

Part I - Report by Observer

(As a preliminary to completing this form, the observer is invited to describe the sighting in his or her own manner, using either separate sheets or the back of this form)

1. Name of observer MR. & MRS. D. BELL... Age 27...
2. Address of observer 22 INLANDER CRES...
..... FLYNN..... Phone 582275...
3. Occupation of observer SALESMAN.....
4. Date and time of start of observation 10 Nov 73... 1045 - 1130 pm
How certain is the date? CERTAIN.....
How accurate is the time of start ± 10 MIN.....
5. Duration of observations 15 MIN.....
How accurate is your estimate? .. ACCURATE.....
6. Observer's location at time of sighting.....
McARTHUR AVE..... AND..... HOME... ADDRESS.....
How familiar is observer with this locality?.....
..... RESIDENT..... 6 MTH.....
7. Weather conditions at time of observation.....
..... CLEAR... MOONLIGHT... NIGHT.....
8. Describe any aids/equipment used in the observation
..... NIL.....
9. Where was object first observed? :
(a) Relative to your surroundings ... WEST.....
.....
(b) Angle of elevation 5°.....
(c) compass angle bearing 270°.....
(d) how accurate are these estimates .. GOOD.....
10. What first attracted observer's attention?
..... BRIGHTNESS OF LIGHT.....

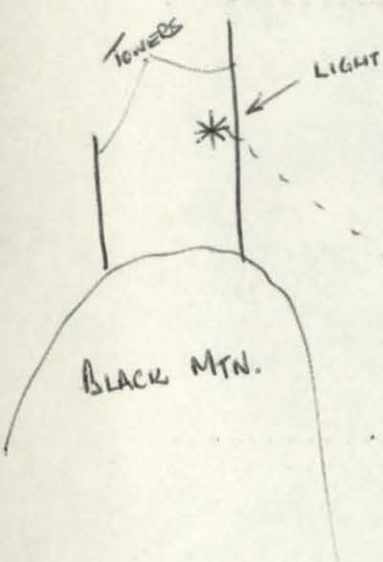
11. If there was more than one light/object:
 - (a) how many were there?
 - (b) in what formation were they?
12. What was the colour of the light or object? ..YELLOW/WHITE
13. What was the brightness? (compare with full moon or common light source at a stated distance, eg, ordinary street light at 100 yards).....
14. What was the apparent size at nearest approach:
 - (a) relative to Venus or Moon ..SAME AS VENUS...
 - (b) relative dimensions in inches at arm's length (about 20 inches from the eyes)
15. What were the bearing and elevation angles at nearest approach and how were these values assessed?
.....NO HORIZONTAL MOVEMENT.....
16. Was any method of propulsion obvious?NO.....
17. Describe any sound heard, including changes in pitch and intensityNIL.....
18. What was the maximum and minimum angle of elevation (or height, if an estimate can be justified)?
.....5° MAX.....DISAPPEARED BELOW HORIZON...
19. What was the maximum and minimum angular velocity (or speed, if an estimate can be justified)? If necessary, compare with the movement of familiar objects at stated distances
20. Give duration of any stationary phases~~15~~ 15 MIN.
21. Describe any deviations or manoeuvres ..DROPPED TO HORIZON IN 60 SEC
22. Describe any trail of exhaust, vapour or light seen
.....NIL.....
23. Where was object last observed? :
 - (a) relative to your surroundingsWEST.....
 - (b) angle of elevation0.....

/(c)

- (c) compass angle bearing..... 270
24. What was the manner of its disappearance?..BELOW HORIZON
25. Do you know of any associated physical evidence (such as fragments, photographs, scorching, ground indentations, residual magnetism or radioactivity, etc)?
..... NP.....
26. State any training which enables observer to be reasonably certain of his/her ability to estimate angles and angular velocity Nil.....
27. How many witnesses to the sighting?Two.....
28. Do you know of witnesses to similar sightings in the area?..MR. J. WILSON...23...FORBES...ST...TURNER.....
29. What natural phenomenon (or phenomena) would be nearest to explaining your observation? ...VENUS.....
30. What are your main reasons for excluding this explanation? ..VENUS IS HIGHER...AND...MORE...NORTHWARD.....
31. Please sketch the light/object with all details. If appropriate, sketch position and/or movement of object in relation to your surroundings. Use back of form, if needed.

Signature

Date



W
M
CARTHER AVE →

WEST →

Part 2 - Unit Evaluation

32. The following military aircraft were in the vicinity of the reported UFO position at the time:

A/C type NA (1) (2) (3)
 Heading T T T
 Height ,000ft ,000ft ,000ft
 Speed K K K
 ATD/ATA* hrs hrs hrs

33. The following civil aircraft were in the vicinity of the reported UFO position at the time:

A/C type ... NA (1) (2) (3)
 Heading T T T
 Height ,000ft ,000ft ,000ft
 Speed K K K
 ATD/ATA* hrs hrs hrs

* Give location of nearest ATD or ATA.

34. Observer's Location: Latitude. 35.18S .. Longitude. 149.11E

35. Give bearing and elevation of any planets and major stars that were in that portion of the sky at that time. By day, give location of Venus only.....

.. VENUS WAS SET NW. W. TO SW. OF OBSERVERS LOCATION AT THE TIME OF SIGHTING

36. A meteorological balloon was released from N/A

at Z Colour Weight gm

Radio-sonde**/radar**: Candle**/battery**(**delete as required)

General wind profile

Maximum height tracked.....,000ft at Z

Was it known to have burst?.....

37. The first significant temperature inversion was of
.....°C atft, measured atZ
hrs fromstation.
38. Any remarks on satellites, rockets, research balloons,
comets, meteorites etc. relevant to the sighting
.....N/A.....
39. When an aircraft is a possible identification, include
radar trace if available, and ascertain which of the
aircraft lights were operatingN/A.....
40. The ~~cause~~ (or likely cause) of the sighting can*/
cannot* be determined.
41. The object reported probably was*/~~may have been*~~
~~delete as required~~)
...VENUS.....

.....S. SAN.....(Unit)J. B. O'NEILL.....(Name)
.....26 Nov 73.....(Date)Ft. Lt.....(Rank)

25 Nov 73

SIGHTING # 4

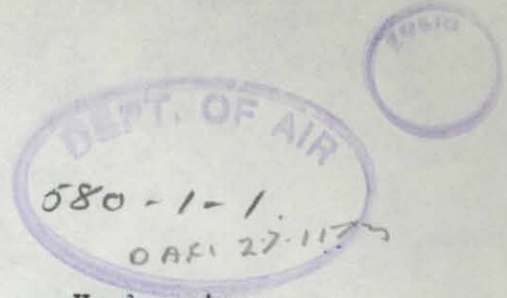
DARWIN NT

J. S. SIMS
R. T. AINSHIE



ROYAL AUSTRALIAN AIR FORCE

TELEPHONE: Darwin 89 9911



Headquarters
RAAF Base
DARWIN NT 5789

3rd December 1973

5/4/Air (54)

IN REPLY QUOTE.....

DAFI Department of Air (Attention DAFI)

For Information

Headquarters Operational Command

INVESTIGATION OF UNUSUAL AERIAL SIGHTING

1. Enclosed is a report of an unusual sighting in the Northern Territory on the night of 23rd November 1973.
2. The investigating Officer considers the observation to be of the strobe lights of a DC-10 overflying Darwin at that time. As these aircraft are relatively new to Australia and the apparent brightness of these strobe lights have been commented on by airport officials, similar reports may be expected in the future.

(L.E. STAPLETON)
Squadron Leader
for Officer Commanding

Enclosure: Sighting Report (seven pages)

1977
1977

1977

(1977)

1977

1977

1977

1977

1977

1977

1977

1977



Amo
638

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INTELLIGENCE - REPORT OF AERIAL

OBJECT OBSERVED

(Operational Command ASI 3/A/5)

PART 1 - REPORT BY OBSERVER

- 12 Douglas Drive.
1. Name of observer..... SIMS J. S. (SAC H4282691) AGE 29
 2. Address of observer..... RAF S.U. TENGAH (DETACHED FROM
RAF WADDINGTON U.K.) PHONE..... 7
 3. Occupation of observer..... RAF
 4. Date and time of observation..... 23 NOV 73 - APPROX 28.30
 5. Duration of observation..... 1 MIN. APPROX.
 6. Observers location at time of sighting..... DOMESTIC SITE RAF DARWIN
FINE, CLEAR SURROUNDING SOURCE OF LIGHT
 7. Weather conditions at time of observation..... CLEAR IN
SECTOR OF OBSERVATION ↓
 8. Describe any aids or equipment used in the observation..... NIL
 9. Where was object first observed? (e.g., overhead, coming from behind a hill, over the horizon).
..... EXTREMELY HIGH, SOME DISTANCE AWAY ESE
 10. What first attracted observer's attention? (e.g., light or noise).
..... TWO WHITE LIGHTS, FLASHING AT SLIGHTLY LESS THAN
(1) MINUTE INTERVALS.
SECOND.
 11. Did object appear as a light or as a definite object?..... AS A LIGHT(S)
AS PER A/E LANDING LIGHTS.
 12. If there was more than one object:-
 - (a) how many were there?..... N/A
 - (b) in what formation were they?..... N/A
 13. What was the colour of the light or object?..... WHITE
 14. What was its apparent shape?..... NIL
 15. Was any detail of structure observable?..... NIL

RESTRICTED

.../2

- 16. Was any method of propulsion obvious?..... *NO*
- 17. Was there any sound?..... *N/A*
- 18. What was its height? (or angle of elevation)..... *EXTREMELY HIGH*
- 19. What was its speed? (or angular velocity)..... *ABNORMALLY FAST DESCENT*
- 20. Was the object stationary?..... *AT FIRST, AND AT END OF SIGHTING*
- 21. What was the direction of flight with reference to landmarks or points of the compass?
..... *VERTICALLY DOWNWARDS*
- 22. Did the object remain on a straight path, deviate, or manoeuvre at all?
..... *NO DEVIATION FROM VERTICAL PATH*
- 23. Was any trail of exhaust, vapour, or light seen?..... *NO*
- 24. Where did object disappear? (e.g., in mid-air, behind a hill, over the horizon)
..... *IN MID-AIR*
- 25. Do you know of any physical evidence? (such as fragments, photo-graphs, or other supporting evidence)
..... *NO*
- 26. Have you observed any unusual phenomena previously? *NO*
- 27. If so, give brief details of incident (s) *N/A*
- 28. State any experience which enables observer to be reasonably certain about the answers given to 18 and 19.
..... *OBSERVATION OF AIRCRAFT LIGHTS IN COURSE OF DUTY*
- 29. Are you a member of any organization interested in aerial phenomena?
..... *NO*
- 30. Name and address of organisation..... *N/A*
- 31. Any additional information which relates to the sighting.
..... *The most unusual feature of the sighting was the abnormally rapid vertical descent from a stationary position.*

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INTELLIGENCE - REPORT OF AERIAL

OBJECT OBSERVED

(Operational Command ASI 3/A/5)

PART 1 - REPORT BY OBSERVER

1. Name of observer... R.T. AINSWIE/SAR C8087136 AGE 22
2. Address of observer... RAF. S.U. TENGAH (DETACHED FROM
RAF. WADDINGTON) U.K. PHONE.....
3. Occupation of observer... RAF.
4. Date and time of observation... 23-11-73 23.30
5. Duration of observation... APPROX. ONE MINUTE
6. Observers location at time of sighting... DOMESTIC SITE
RAAF DARWIN
7. Weather conditions at time of observation... FINE. CLEAR
SURROUNDING SOURCE OF LIGHT 1
8. Describe any aids or equipment used in the observation... NIL
9. Where was object first observed? (e.g., overhead, coming from behind
a hill, over the horizon).
AT AN EXTREME HEIGHT SAME DISTANCE AWAY ESE
10. What first attracted observer's attention? (e.g., light or noise).
TWO WHITE LIGHTS FLASHING AT SLIGHTLY
LESS THAN ONE SECOND INTERVALS
11. Did object appear as a light or as a definite object? AS A LIGHT(S) (two)
12. If there was more than one object:-
 - (a) how many were there? ONE
 - (b) in what formation were they? N/A
13. What was the colour of the light or object? WHITE
14. What was its apparent shape? N/A
15. Was any detail of structure observable? NIL

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RESTRICTED

-2-

16. Was any method of propulsion obvious?..... No.....
17. Was there any sound?..... No.....
18. What was its height? (or angle of elevation)..... EXTREMELY HIGH.....
19. What was its speed? (or angular velocity)..... ABNORMALLY FAST DESCENT.....
20. Was the object stationary?..... AT FIRST AND AT END OF SIGHTING.....
21. What was the direction of flight with reference to landmarks or points of the compass?
..... VERTICALLY DOWNWARDS.....
22. Did the object remain on a straight path, deviate, or manoeuvre at all?
..... NO DEVIATION FROM VERTICAL PATH.....
23. Was any trail of exhaust, vapour, or light seen?..... No.....
24. Where did object disappear? (e.g., in mid-air, behind a hill, over the horizon)
..... IN MID AIR.....
25. Do you know of any physical evidence? (such as fragments, photo-graphs, or other supporting evidence)
..... No.....
26. Have you observed any unusual phenomena previously? No.....
27. If so, give brief details of incident (s) N/A.....
28. State any experience which enables observer to be reasonably certain about the answers given to 18 and 19.
..... OBSERVATION OF AIRCRAFT LIGHTS IN THE COURSE OF DUTY.....
29. Are you a member of any organization interested in aerial phenomena?
..... No.....
30. Name and address of organisation..... N/A.....
31. Any additional information which relates to the sighting.
..... THE MOST UNUSUAL FEATURE OF THE SIGHTING WAS THE WAY IT DESCENDED AT A RAPID SPEED FROM STATIONERY.....

RESTRICTED

.../3

D R A F T

Part 2 - Unit Report

1. a. Details of military aircraft activity in the area at the time of the sighting.

Type	Heading	Height	Speed	Departed from	ATD	Destination	ATA
	NIL						

Source of information BASE OPERATIONS DARWIN

- b. Details of civil aircraft activity, including light private aircraft and international flights, in the area at the time of the sighting.

Type	Heading	Height	Speed	Departed from	ATD	Destination	ATA
DC-10	SE	33,000		SINGAPORE	-	NOUMEA	
				OVERHEAD DARWIN	231347Z		
				TRACKING TO NORMANTON			

Source of information DCQ DARWIN

2. Give the bearing, elevation and movement of any planets or major stars that were in that portion of the sky at the time of the sighting.

NONE IN VICINITY OF SIGHTING - JUPITER TO WEST

Source of information THE AIR ALMANAC SEPTEMBER-DECEMBER 1973

3. Details of any predicted satellites, rockets, comets or meteorite activity in the area at the time of the sighting NIL

Source of information WEAPONS RESEARCH, ADELAIDE

/4. Details

4. Details of any meteorological, research or radar balloons known to have been in the area at the time of the sighting (refer to point of release, size, colour, ROC, wind profile and whether it was known to have burst)

NIL KNOWN

Source of information _____

5. Details of any unusual radar traces or images, which may relate to the sightings, as recorded by military or civil networks _____

NIL

Source of information _____

6. Provide the following information relating to the weather and atmospheric conditions at the time of the sighting:

Temperature (dry bulb) _____ °C (wet bulb) _____ °C Relative Humidity _____ %

Cloud cover _____ type _____

Temperature inversion of _____ °C at _____ ft measured at _____ hrs

from _____

Wind direction _____ at _____ ft

_____ at _____ ft

_____ at _____ ft

_____ at _____ ft

Pollution level _____

7. Details of terrain and natural and/or man-made features in the area. (Attach map with significant points marked, if possible) _____

FLAT DOMESTIC SITE RAAF DARWIN

D R A F T

Part 3 - Investigating Officer's Evaluation

1. a. Date of interview SEE PARA 3
b. Place of interview _____
2. Names and addresses of persons interviewed (include phone numbers where applicable)
1. _____ 2. _____

3. _____ 4. _____

3. Narrative evaluation of personalities of witnesses (include any relationship with UFO organizations and their interest in subject matter).
PART I OF BOTH REPORTS WERE MADE OUT AT BASE OPERATIONS. WHEN RECEIVED BY THE INVESTIGATING OFFICER BOTH MEMBERS HAD DEPARTED FOR SINGAPORE. SAME SIGHTING WAS REPORTED TO DCA BY MRS MCCALL OF MORRIS COURT DARWIN AND BY MR KARL AND MRS LINDA ATKINSON OF 3759 BURNS CIRCUIT MOIL. ALL DETAILS WERE THE SAME AS THOSE LISTED IN PART I OF BOTH REPORTS. MRS ATKINSON CONSIDERED LIGHTS DISAPPEARED INTO CLOUD.
4. Investigating officer's evaluation of possible cause(s).
THE LIGHTS ARE ASSESSED AS BEING THE TWO STROBE LIGHTS ON THE WINGS OF THE DC-10. RAAF AND DCA PERSONNEL ON NIGHT DUTY HAVE PREVIOUSLY COMMENTED ON THE BRIGHTNESS AND UNUSUAL EFFECTS OF THESE LIGHTS ON A DC10 WHEN OVERFLYING DARWIN. THIS REPORT IS SUBMITTED FOR INFORMATION.

RAAF HEADQUARTERS DARWIN

(Unit)

[Signature] (Name)

3RD DECEMBER 1973

(Date)

Squadron Leader

(Rank)

22 OCT 73

DIANELLA
WA

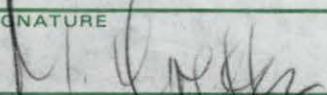
SIGHTING # 3

MR C. LACEY

FROM	DEFAIR (DAFI)	FILE	580/1.1 R 33(3)	DATE	10 Dec 73	REFERENCES	HOPEA SP/AIR R. 6 (4) OF 23 Nov 73
TO	HOPEA	ATTENTION	FIC OFF PYERS				
SUBJECT	REPORTS OF UNUSUAL AERIAL SIGHTINGS						

Enclosed, for your records, are copies of letters to Mr C Casey, Mrs M King and Mr S Williams in reply to their reports of unusual aerial sightings.

Enclosures: Copies of letters to Mr C Casey, Mrs M King and Mr S Williams.

SIGNATURE	NAME	RANK	APPOINTMENT	PHONE NO
	M. GRETTON	FIC OFF	IR. 2	2408

(AIR OFFICE)

580/1/1 Pt33 (3b)

- 6 DEC 1973

Mr C. Lacey,
439 Crawford Road,
DIANEILLA. W.A. 6062

Dear Sir,

With reference to your report of an unusual aerial sighting on 22nd October 1973, it has been determined that the most probable cause was space debris re-entering the Earth's atmosphere.

There are currently 2993 man made objects in space and these periodically decay and re-enter the Earth's atmosphere. The space vehicle designated 1961 Alpha I is known to have decayed and re-entered the atmosphere on 22nd October and it would have burnt-up during this phase. The opinion of the investigating team is that this was the most probable cause of your sighting.

We trust that this explanation is satisfactory and thank you for your report.

Yours faithfully,

G. J. Odgers

(G. J. ODGERS)
Director of Public Relations

*Not
A/DAFI*

*Not
Disply D/R
6/12/73
AG*

FROM

HQPEA

FILE

S/9 AIR PT 6 (4)

DATE

23 NOV 73

REFERENCES

S/9 AIR PT 5 (39), (40) (41)

TO

DEPAIR

ATTENTION

DAFI

SUBJECT

REPORTS OF UNUSUAL AERIAL SIGHTINGS

ENCLOSED FOR INVESTIGATION ARE THREE UNUSUAL AERIAL SIGHTING
REPORTS.



ENCLOSURES: 3 UNUSUAL AERIAL SIGHTING REPORTS

SIGNATURE

NAME

R. R. J. PIERS

RANK

FLB OFF UFO OFFICER

APPOINTMENT

PHONE NO

2246

ANNEX E

REPORT ON UNUSUAL AERIAL SIGHTING

Part 1 - Report by observer

(As a preliminary to completing this form, the observer is invited to describe the sighting in his or her own manner, using either separate sheets or the back of this form)

1. Name of Observer..... *Robin Lacey* Age..... *36*
2. Address of Observer..... *439 Bradford Rd Dimeth*
..... Phone No. *76-1149*
3. Occupation of Observer..... *Accountant*
4. Date & Time of start of Observation..... *22.10.73* *12.45 pm to 1.00 pm*
How certain is the date?..... *Certain*
How accurate is the time of start?..... *Fairly accurate*
5. Duration of the observation..... *3 to 4 seconds*
How accurate is your estimate?..... *within 2 seconds greater*
6. Observers' location at the time of sighting..... *On front porch*
..... *of home*
How familiar is the observer with this locality?..... *Very familiar*
7. Weather conditions at time of observation..... *Very clear*
.....
8. Describe any aids/equipment used in the observation..... *Nil*
..... *eyeght only*
9. Where was object first observed?
a. Relative to your surroundings..... *Rose from N/W rapidly -*
..... *faltered or paused - not moved rapidly to SE*
b. Angle of elevation..... *Rose N/W to 45° angle and maintain*
..... *that angle till disappeared towards S/E*
c. Compass angle bearing..... *45°*
d. How accurate are these estimates?..... *as close as possible*
10. What first attracted observers attention?..... *clear sky and object*
..... *moved very fast and was distinct*

11. If there was more than one light/object:
- a. How many were there ? *No appeared to be*
- b. In what formation were they ? *No one object.*
12. What was the colour of the light or object ? *Reddish brown & orange*
13. What was the brightness ? (compare with full moon or common light source at a stated distance; eg ordinary street light at 100 yards)
- *Was not a sparkling "star" like light, was more of a gaseous or cloudy mixed colour nature.*
14. What was the apparent size at the nearest approach ? :
- a. Relative to Venus or Moon..... *Venus - larger Moon - smaller*
- b. Relative dimensions in inches at arm's length (about 20 inches from eyes)
- *At least 1" to 1 1/2" at arms length.*
15. What were the bearing and elevation angles at the nearest approach and how these values assessed ?
- *85% angle overhead.*
16. Was any method of propulsion obvious ? *Not sure.*
17. Describe any sound heard, including changes in pitch and intensity
- *NIL*
18. What was the maximum and minimum angle of elevation (or height, if an estimate can be justified) ?
- *Horizon to 90% to Horizon*
N/W S/E
19. What was the maximum and minimum angular velocity (or speed, if an estimate can be justified) ? If necessary, compare with the movement of familiar objects at a stated distances
- *Low passing, say at 60-70 mph. 6 feet away.*
20. Give duration of any stationary phases..... *NIL*
21. Describe any deviations or manoeuvres..... *Paused at angle of 45% to 60%*
22. Describe any trail of exhaust, vapour or light seen..... *Had shape or area which may or may not have been part of "actual object" or of any exhaust or vapour.*
23. Where was objects last observed ? :
- a. Relative to your surroundings *S/E*
- b. Angle of elevation..... *Horizon to 90% Horizon*
- c. Compass angle bearing *S/E*
- *It retained the same shape however, and did not vary during the sighting.*

What was the manner of its disappearance? *only that I could not*

follow its appearance to the "actual" land horizon
as my neighbor was obliterated from 10" of the
distance to the horizon.

25.

Do you know of any associated physical evidence (such as fragments, photographs, scorching, ground indentations, residual magnetism or radioactivity, etc)

No.

26.

State any training which enables observer to be reasonably certain of his/her ability to estimate angles and angular velocity.

NIL.

27.

How many of witnesses to the sighting? *Only myself.*

28.

Do you know of witnesses to similar sightings in the area. *No.*

29.

What natural phenomenon (or phenomena) would be nearest to explaining your observation?

I have never seen anything remotely like it in my life.

30.

What are your main reasons for excluding this explanation?

31.

Please sketch the light/object with all details. If appropriate, sketch position and/or movement of object in relation to your surroundings. Use back of form if needed.



Signature.....

B.C. Laffey

Date.....

24th October, 1973

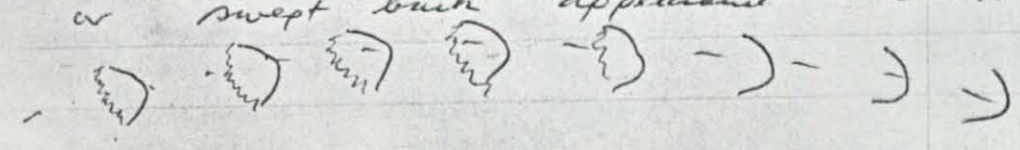
as lovely as I possibly can

I went out to get the milk bottles off my front
veranda about 12.45 pm on Monday morning the
22nd October, 1973.

I was awake at that time due to the fact
that I had been working outside in the garden
during the day - ~~was~~ and had fell asleep in
front of the television during the early hours
8.30 pm to 11 pm. After the "cat nap" I was
reasonably awake and had made myself a drink^(tea)
and ~~had~~ been reading.

It was a beautiful night, and I was
looking up at the sky - thinking how clear
it was - I had been looking for a few
minutes - and was ~~particularly looking at the~~
~~left hand~~ - as it happened - I looking NW
at Venus which was very bright & distinct.
I was suddenly aware of a lighted object
which rose from the horizon up and to
the right of the star Venus (I was looking
North). I quickly called my wife the object
seemed to pause at a point just past Venus,
and I called my wife to come and see,
she awoke and by the time she had gathered
herself out of bed, and queried why I was
trying to awake all the neighbours - the object
moved at a very high speed across the sky
to the South East.

At all times the object (which had
a cloudy reddish browned - mame appearance -
but had no distinct tangible shape!) retained
the same frontal shape - that is a rounded
or swept back appearance - almost like a swallow
in flight
"elliptical"



Part 2 - Unit Evaluation

32. The following military aircraft were in the vicinity of the reported UFO position at the time: NIL

A/C type.....(1).....(2).....(3)
Heading.....T.....T.....T
Height,000 ft.....,000 ft.....,000 ft
Speed.....K.....K.....K
ATD/ATA*.....hrs.....hrs.....hrs

33. The following civil aircraft were in the vicinity of the reported UFO position at the time: NIL

A/C type(1).....(2).....(3)
HeadingT.....T.....T
Height.....,000 ft.....,000 ft.....,000 ft
Speed.....K.....K.....K
ATD/ATA*hrs.....hrs.....hrs

* Give location of nearest ATD or ATA.

34. Observer's Location: Latitude. 33° 14' Longitude. 115° 55'
31° 53'

35. Give bearing and elevation of any planets and major stars that were in that position of the sky at that time. By day, give location of Venus only.

.....N/A.....

36/ A meteorological balloon was released from GUILDFORD
at 21.1700 Z. Colour. WHITE Weight. 250 gm
Radio-sonde **/ radar ** : Genie **/ battery** (** Delete as required.)

General wind profile 20 500 10 100 190 340 530
16/14 06/6 36/6 22/2 25/14 27/40 27/46
Maximum height tracked.....,000 ft atZ

Was it known to have burst ? YES

37. The first significant temperature inversion was of°C
at 2000 ft, measured at 21.1700 Z hrs from GUILDFORD
.....station.

38. Any remarks on satellites, rockets, research balloons, comets, meteorites etc relevant to the sighting.

.....NIL.....

/ 39. When an

39. When identified as possible aircraft, include radar trace if available, and ascertain which of the aircraft lights were operating.

.....N/A.....
.....

40. The cause (or likely cause) of the ~~sighting~~ can */cannot" be determined.

41. The object reported ~~probably was~~ * / may have been*
(delete as required)

.....A.....RE-ENTERING VEHICLE OF SOME KIND.....

1961 ALPHA/1
21 OCT
US TIME

MA. LACEY WAS INTERVIEWED PERSONALLY. HE SEEMED A
KEEN ENTHUSIASTIC PERSON AND IS HIGHLY THOUGHT OF BY
HIS SUPERIOR

.....12A PEA.....21 NOV 73.....
(Unit) (Date)

.....R. B. J. PETERS.....FLG OFF.....
(Name of Investigating Officer) (Rank)

26 OCT 73

2

GERALDTON
WA

SIGHTING # 2

MRS M KING

(AIR OFFICE)

580/1/1 Pt33 (2b)

10 DEC 1973

Mrs M. King,
C/- Jubilee Florist,
GERALDTON. W.A. 6530.

Dear Mrs King,

With reference to your report of an unusual aerial sighting on 26th October 1973, it has been determined that the most probable cause was space debris re-entering the Earth's atmosphere.

At present there are 2993 man made objects in space and these periodically decay and burn-up on re-entry to the atmosphere. Predictions are made for the re-entry of many of these objects, although short-lived satellites and other items of space associated equipment are continually re-entering the atmosphere. From the description in your report the investigating team is of the opinion that the object seen was an unpredicted item of space debris during re-entry but regrets that the item cannot be positively identified.

We trust that this explanation is satisfactory and thank you for your report.

Yours sincerely,

G. J. Odgers

(G. J. ODGERS)
Director of Public Relations

*Not
Resp L. DRK
10.12.73
[Signature]*

REPORT ON UNUSUAL AERIAL SIGHTING

Part 1 - Report by observer

(As a preliminary to completing this form, the observer is invited to describe the sighting in his or her own manner, using either separate sheets or the back of this form)

1. Name of Observer. MRS. M. KING.....Age. MIDDLE AGED
2. Address of Observer. C/O JUBILEE FLOREST, GERALDTON.....
.....Phone No. 21114.....
3. Occupation of Observer. FLOREST.....
4. Date & Time of start of Observation. 261220H OCT 73.....
How certain is the date? Certain.....
How accurate is the time of start? approx.....
5. Duration of the observation. 20 SECS.....
How accurate is your estimate? APPROX.....
6. Observers' location at the time of sighting. FLOREST RD.....
BLUFF PT.....
How familiar is the observer with this locality? VERY.....
7. Weather conditions at time of observation. CLEAR.....
8. Describe any aids/equipment used in the observation. NIL.....
9. Where was object first observed?
a. Relative to your surroundings. to the west.....
b. Angle of elevation. 45°.....
c. Compass angle bearing. 270.....
d. How accurate are these estimate? APPROX.....
10. What first attracted observers attention? BRIGHTNESS AND.....
MOVEMENT.....

11. If there was more than one light/object:
- How many were there ? *one*
 - In what formation were they ? */*
12. What was the colour of the light or object ? ... *WHITE*
13. What was the brightness ? (compare with full moon or common light source at a stated distance; eg ordinary street light at 100 yards)
- *Same as street light*
14. What was the apparent size at the nearest approach ? :
- Relative to Venus or Moon... *Same as the moon*
 - Relative dimensions in inches at arm's length (about 20 inches from eyes)
- *5"-6"*
15. What were the bearing and elevation angles at the nearest approach and how these values assessed ?
- *180° 45° ELEV*
16. Was any method of propulsion obvious ? *NIL*
17. Describe any sound heard, including changes in pitch and intensity
- *NIL*
18. What was the maximum and minimum angle of elevation (or height, if an estimate can be justified) ?
- *STRAIGHT ACROSS*
19. What was the maximum and minimum angular velocity (or speed, if an estimate can be justified) ? If necessary, compare with the movement of familiar objects at a stated distances
- */*
20. Give duration of any stationary phases..... *NIL*
21. Describe any deviations or manoeuvres..... *NIL*
22. Describe any trail of exhaust, vapour or light seen.... *NIL*
-
23. Where was objects last observed ? :
- Relative to your surroundings *SE*
 - Angle of elevation..... *45°*
 - Compass angle bearing ... *SE*

24. What was the manner of its disappearance ? BEHIND TREES
25. Do you know of any associated physical evidence (such as fragments, photographs, scorching, ground indentations, residual magnetism or radioactivity, etc) NIL
26. State any training which enables observer to be reasonably certain of his/her ability to estimate angles and angular velocity. NONE
27. How many of witnesses to the sighting ? ONE OTHER
28. Do you know of witnesses to similar sightings in the area.... NONE
29. What natural phenomenon (or phenomena) would be nearest to explaining your observation ?
:..... A LARGE JET
30. What are your main reasons for excluding this explanation ?
..... No NOISE
31. Please sketch the light/object with all details. If appropriate, sketch position and/or movement of object in relation to your surroundings. Use back of form if needed.

INFORMATION TAKEN OVER THE PHONE

Signature.....

Date.....

Part 2 - Unit Evaluation

32. The following military aircraft were in the vicinity of the reported UFO position at the time: NIL

A/C type.....(1).....(2).....(3)
Heading.....T.....T.....T
Height.....,000 ft.....,000 ft.....,000 ft
Speed.....K.....K.....K
ATD/ATA*.....hrs.....hrs.....hrs

33. The following civil aircraft were in the vicinity of the reported UFO position at the time: NIL

A/C type.....(1).....(2).....(3)
Heading.....T.....T.....T
Height.....,000 ft.....,000 ft.....,000 ft
Speed.....K.....K.....K
ATD/ATA*.....hrs.....hrs.....hrs

* Give location of nearest ATD or ATA.

34. Observer's Location: Latitude. 27°50' Longitude. 114°06'

35. Give bearing and elevation of any planets and major stars that were in that position of the sky at that time. By day, give location of Venus only.

36/ A meteorological balloon was released from GERALTON
at 26.11.00 Z. Colour. WHITE Weight. 100 gm
Radio-sonde **/ ~~radar~~ **: Candle **/ battery** (** Delete as required.)

General wind profile. 20 30 50 100
12/6 13/6 03/40 20/22
Maximum height tracked.....,000 ft atZ

Was it known to have burst?

37. The first significant temperature inversion was of°C
atft, measured atZ hrs from
.....station.

38. Any remarks on satellites, rockets, research balloons, comets, meteorites etc relevant to the sighting.

NIL

/ 39. When an

39. When identified as possible aircraft, include radar trace if available, and ascertain which of the aircraft lights were operating.

.....N/A.....
.....

40. The cause (or likely cause) of the sighting ~~can~~ */cannot" be determined.

41. The object reported ~~probably was~~ * / may have been*

(delete as required)

XAN AIRCRAFT ALTHOUGH NONE WERE UNDER THE.....
.....CONTROL OF GRADTON FIS AT THAT TIME.....

MRS KING WAS INTERVIEWED OVER THE PHONE AND
APPEARED QUITE SENSIBLE

.....H.Q. PIZA.....21 NOV 73.....
(Unit) (Date)

.....R. R. J. PETERS.....FLS OFF.....
(Name of Investigating Officer) (Rank)

24 OCT 73

1

INNALOO
~~GLENDALOUGH~~
WA

SIGHTING #1

MR. S. WILLIAMS

(AIR OFFICE)

580/1/1 Pt33 (1b)

6 DEC 1973

Mr S. Williams,
Flat 2/291,
Harbourne Road,
GLENDALOUGH. W.A. 6016

Dear Sir,

With reference to your report of an unusual aerial sighting on 24th October 1973, it has been determined that the most probable cause was an aircraft.

On the day of the sighting, a Mitsubishi MU-2 aircraft, VH-CJP, operated by ALTAIR landed at Jandakot airport from Geraldton at 10.07 p.m.. The aircraft would have moved past your position at about 10.00 p.m., and the opinion of the investigating team is that the lights sighted by you were the port navigation light and the landing lights of this aircraft.

We trust that this explanation is satisfactory, and thank you for your report.

Yours faithfully,

G. J. Odgers

(G. J. ODGERS)
Director of Public Relations

ALTAIR

*Not
Desp'd DRL*

6.12.73

ds

ANNEX E

REPORT ON UNUSUAL AERIAL SIGHTING

Part 1 - Report by observer

(As a preliminary to completing this form, the observer is invited to describe the sighting in his or her own manner, using either separate sheets or the back of this form)

1. Name of Observer... MR. S. WILLIAMS Age... 26
2. Address of Observer... FLAT 2/291 HARBOUR GLENDAUGH
2016 Phone No. 206308
3. Occupation of Observer... AFT OBSERVER COMPUTER OPS CONTROLLER
4. Date & Time of start of Observation... 24 OCT 10 PM
 How certain is the date?..... CERTAIN
 How accurate is the time of start ?..... FAIRLY
5. Duration of the observation... 1 - 3 MINUTES
 How accurate is your estimate? APPROX
6. Observers' location at the time of sighting... META DRIVE IN
1 WALOO
 How familiar is the observer with this locality ? ... FAIRLY
7. Weather conditions at time of observation... SCATTERED CLOUD

8. Describe any aids/equipment used in the observation... NIL

9. Where was object first observed?
 a. Relative to your surroundings... TO THE WEST
APPEARED OUT OF CLOUDS
 b. Angle of elevation... 50°
 c. Compass angle bearing 270°
 d. How accurate are these estimates ? APPROX
10. What first attracted observer's attention ? ,... MOVING LIGHT

11. If there was more than one light/object:
 - a. How many were there ? 4
 - b. In what formation were they ? ... FOLLOWING
12. What was the colour of the light or object ? ... 3 RED 1 WHITE
13. What was the brightness ? (compare with full moon or common light source at a stated distance; eg ordinary street light at 100 yards)

..... SAME AS MOON
14. What was the apparent size at the nearest approach ? :
 - a. Relative to Venus or Moon. ... 1 1/2 TIMES SIZE OF VENUS
 - b. Relative dimensions in inches at arm's length (about 20 inches from eyes)

..... 3 1/6"
15. What were the bearing and elevation angles at the nearest approach and how these values assessed ?

..... ✓
16. Was any method of propulsion obvious ? No
17. Describe any sound heard, including changes in pitch and intensity

..... No
18. What was the maximum and minimum angle of elevation (or height, if an estimate can be justified) ?

..... 50°
19. What was the maximum and minimum angular velocity (or speed, if an estimate can be justified) ? If necessary, compare with the movement of familiar objects at a stated distances

..... SAME AS BUT FASTER THAN AIRCRAFT GO PAST CLOSELY
20. Give duration of any stationary phases. None
21. Describe any deviations or manoeuvres. MOVED IN A STRAIGHT LINE
22. Describe any trail of exhaust, vapour or light seen. Nil
23. Where was object's last observed ? :
 - a. Relative to your surroundings ... To THE SOUTH
 - b. Angle of elevation. DISAPPEARED BEHIND HOUSES
 - c. Compass angle bearing ... APPROX 130°

24. What was the manner of its disappearance ?
25. Do you know of any associated physical evidence (such as fragments, photographs, scorching, ground indentations, residual magnetism or radioactivity, etc)
26. State any training which enables observer to be reasonably certain of his/her ability to estimate angles and angular velocity. *NIL*
27. How many of witnesses to the sighting ? *NONE*
28. Do you know of witnesses to similar sightings in the area *NONE*
29. What natural phenomenon (or phenomena) would be nearest to explaining your observation ?
..... *METEORITE*
30. What are your main reasons for excluding this explanation ?
..... *COULD HAVE BEEN*
31. Please sketch the light/object with all details. If appropriate, sketch position and/or movement of object in relation to your surroundings. Use back of form if needed.

Signature.....

Date.....

Part 2 - Unit Evaluation

32. The following military aircraft were in the vicinity of the reported UFO position at the time: 1/10

A/C type.....(1).....(2).....(3)
Heading.....T.....T.....T
Height.....,000 ft.....,000 ft.....,000 ft
Speed.....K.....K.....K
ATD/ATA*.....hrs.....hrs.....hrs

33. The following civil aircraft were in the vicinity of the reported UFO position at the time: NIL

A/C type MU 2.....(1).....(2).....(3)
Heading SOUTH COASTAL.....T.....T.....T
Height.....,000 ft.....,000 ft.....,000 ft
Speed.....K.....K.....K
ATD/ATA* JANDAKOT 1007 hrs.....hrs.....hrs

* Give location of nearest ATD or ATA.

34. Observer's Location: Latitude 31°53' Longitude 115°52'

35. Give bearing and elevation of any planets and major stars that were in that position of the sky at that time. By day, give location of Venus only.

.....N/A.....

36/ A meteorological balloon was released from APPH.....

at 1115 Z. Colour WHITE Weight 850 gm

Radio-sonde **/ radar ** : Candle **/ battery** (** Delete as required.)

General wind profile.....
20 50 100 200 300 400 500
27/4 245/20 24/34 25/50 255/58 275/45 28/33

Maximum height tracked.....850,000 ft at 1227 Z

Was it known to have burst ?

37. The first significant temperature inversion was of°C
atft, measured atZ hrs from
.....station.

38. Any remarks on satellites, rockets, research balloons, comets, meteorites etc relevant to the sighting.

.....NIL.....

/ 39. When an

39. When identified as possible aircraft, include radar trace if available, and ascertain which of the aircraft lights were operating.

.....*N/A*.....
.....

40. The cause (or likely cause) of the sighting can **/cannot* be determined.

41. The object reported probably was * / ~~may have been~~ *

(delete as required)

.....*THE M2 A/C*.....
.....

THE OBSERVER WAS INTERVIEWED OVER THE PHONE. HE SEEMED FAIRLY SENSIBLE AND ~~SAID~~ AGREED IT COULD HAVE BEEN AN AIR CRAFT.

.....*HQ PEA*.....*20 Nov 73*.....
(Unit) (Date)

.....*R. PYERS*.....*FLG OFF*.....
(Name of Investigating Officer) (Rank)

TITLE Reports on Flying
saucers + other aerial
objects

580

1

1

FILE NO

PART
NO

33

REFERRED TO

DATE

REFERRED TO

DATE

REFERRED TO

DATE

DAFI

27-11-73

[illegible]

REGISTRY CLASSIFICATION PARTICULARS

CLASSIFIER

1	Original/Copy	✓
2	Duplicate Copy made	
3	Date opened	26-11-73

REGISTRATION

1	Security Classification	
2	Title	REPORTS ON FLYING SAUCERS AND OTHER AERIAL OBJECTS
3	Registration Number	580-1-1 PT 33 (NEW PART)
4	Mark to	DAFI
5	Cancel File No	
6	Movements Section of cancellation and new File No	
7	Close File No	
	Cross Reference this File with File(s)	PTS 1-32

SUBJECT INDEX

	Posting	Precis

NAME INDEX

1	Heading	Precis
2	Alter File No on Logging Card for	
	Letter dated	Reference No