AR 158
Revised Oct 80

DEPARTMENT OF DEFENCE

FILE No: OLD AIR | 580 | 1 | 1

Part No 26

NOTE: This cover is to be used only for official file series recorded with Australian Archives. Form Number AR 111 is to be used for working papers.

SUBJECT: REPORTS ON FLYING SAUCERS AND OTHER AERIAL OBJECTS.

Folio	Referred to	Date Referred	Actioned by (Inits)
	P.A. 73	10.8.84	✓

SUMMARY OF SIGHTINGS.

No	Place / Date	Name	Receipt	Reply	Remarks
1	TERANG VIC 13 JUN	MRS A FRASER	13 JUL	20 JUL 73 ✓	KUGELBLITZ
2	MAREEBA QLD 23 JUN	P BUNNEY	16 JUL	20 JUL 73 ✓	JUPITER
3	BOROKO PNG 14 JUL	J. SHEARS MRS BECK	17 JUL		REQUESTED RESPONSE FOR DETAILS
4	BOROKO PNG 14 JUL	TERRENT	17 JUL	22 AUG ✓	STARS (ANTARES, SHAULA, KAUS AUSTRALIS)
5	KIMBE PNG 14 JUL		17 JUL		Requested response for details.
6	AMBERLEY 29 MAY	AIRMAN	20 JUL	N/R	SPACE DEBRIS
7	SPRINGBOOK 31 MAY	J PILGRIM	20 JUL	N/R	STARS
8	KULKINAN JUN 73	ABC REPORTER	20 JUL	N/R	STARS
9	IPSWICH/BRISBANE QLD 24 JUN	H. S. J. AUSTIN	20 JUL	N/R	JUPITER
10	ALLORA QLD 17 JUN	M. C COX	20 JUL	13 AUG ✓	CANOPUS
11	TARCOLA TAS 7/13TH APRIL	C. BARNETT	24 JUL	22 AUG ✓	AIRCRAFT (ELECTRA - 7 APR 73) UNKNOWN (13 APR - LACK OF INFORMATION
12	MASCOT NSW 18 MAR	C.E. KEARNS	25 JUL	20 AUG ✓	BIRD OR THISTLEDOWN
13	NSW / VIC 25 JUL	VARIOUS	27 JUL	N/R	METEORITE - NO INVESTIGATION NECESSARY
14	WILLIAMTOWN NSW 17 JUL 73	FLT LT N.C. CAMERON	3 AUG	23 OCT 73 N/R	KUGELBLITZ / BALL LIGHTNING
15	CAMBERWELL VIC 3 JUL 73	D. T. C. ELLIS	3 AUG	8 AUG ✓	DC-9 VH-TJD LAUNCESTON-MEL
16	AVONDALE HTS VIC 15 JUN 73	BERNARD SCHNEIDER	2 AUG	27 AUG ✓	LIGHT SOURCE ENTERING CAMERA
17	MORNINGTON VIC 1 JUL 73	S. CIAGLIARDI	2 AUG	22 OCT ✓	UNRESOLVED - SKETCHY INFO.

7 May 82

(AIR FORCE OFFICE)
MINUTE PAPER

DEFAIR 580/1/1
Reference AF554/1/30 (34)

Subject: RECLASSIFICATION OF FILES

Reference: A. DI(AF)AAP 810 para 326.

In accordance with Reference A, all folios, in all parts of Department of Air File series 580/1/1 are reclassified 'UNCLASSIFIED' with effect 7 May 82.

(G.A. PERSKE)
GPCAPT
DAFIS

7 May 82





1 JUL 73

SIGHTING # 17

MORNINGTON VIC

S. GAGLIARDI

Royal Australian Air Force
A273 Feb 70 **MEMO**

For use within the RAAF only
Write or print clearly

OUR FILE: 580/1/1 Pt 26	FOLIO: 17b	
FROM: DEPAIR (DAFI)	DATE: 23 OCT 73	REFERENCES
TO: HOSC	ATTENTION: CINTELLO	
SUBJECT: REPORTS OF UNUSUAL AERIAL SIGHTING		

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

ENCLOSURE: Copy of letter to Mr S. Cagliardi

SIGNATURE	PRINTED NAME	RANK	APPOINTMENT	PHONE EXT
M Cretton	M Cretton	Fng Off	IRJ	2408

580/1/1 Pt26 (17a)

22 OCT 1973

Mr S. Gagliardi,
345 Main Street,
MORNINGTON, VIC. 3931

Dear Sir,

With reference to the unusual aerial sighting report of 1st July 1973, submitted by your wife and self, we regret that the investigating team has been unable to determine the cause.

From the description given, a theoretical explanation of the initial noise is that sound emanating from a railway vehicle travelling on the Mornington/Baxter line was directed to give an unusual characteristic, but no explanation can be advanced for the light and its associated movement.

Over many years of investigation of this subject throughout the world, no conclusive evidence has been found to ratify the theory of extra terrestrial visitation to Earth by space ship or other means, and as such, we think that the light seen was caused by some natural source (such as electrical discharge).

If, in the future, further reports of a similar nature are forthcoming and a solution is found, your report will again be investigated and a determination forwarded.

Thanking you for your interest,

Yours faithfully,

G. J. Odgers

(G.J. ODGERS)
Director of Public Relations

18 Oct 73

NOA
Dep Dir
22.10.73

~~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 MR & MRS S. GAGLIARDI ..... Age 41 & 35

2. Address of observer 345 MAIN STREET MORNINGTON

VICTORIA 3931 ..... Phone 75 2487

3. Occupation of observer MOTOR MECHANIC & SPINSTRESS

4. Date and time of start of observation 1-7-73 ..... 5.40 A.M.

How certain is the date? CERTAIN

How accurate is the time of start? WITHIN 5 MINUTES

5. Duration of observation 2-3 MINUTES

How accurate is your estimate? APPROXIMATE

6. Observer's location at time of sighting STANDING IN FRONT DOORWAY OF HOME

How familiar is observer with this locality? LIVED HERE 5 YEARS

7. Weather conditions at time of observation CALM & CLEAR

8. Describe any aids/equipment used in the observation ... NONE

9. Where was object first observed? :

a. Relative to your surroundings JUST SOUTH OF EAST MAYBE 150 - 200 YARDS AWAY

b. angle of elevation JUST ABOVE GROUND

c. compass angle bearing .....

d. how accurate are these estimates? .....

10. What first attracted observer's attention? THE NOISE AS IT CAME OVER FROM SOMEWHERE BEHIND THE HOUSE

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? WHITE LIGHT

~~RESTRICTED~~

~~RESTRICTED~~

13. What was the brightness? (compare with full moon or common light source at a stated distance, eg ordinary street light at 100 yards). WHEN NEAR THE GROUND: BRIGHTER THAN THE STREET LIGHT WHICH APPEARED TO BE ONLY A FEW YARDS AWAY FROM IT.

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)..... IT APPEARED TO BE AS BIG AS A CARS LENGTH.

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 LONG, HIGH PITCHED, QUIVERING SOUND.....

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 ..COMPARED... WITH SPEED OF A CAR...ABOUT...3 MILES PER HOUR

20. Give duration of any stationary phases.....NONE.....

21. Describe any deviations or manoeuvres...STRAIGHT...UP.....

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

23. Where was object last observed :

a. relative to your surroundings..HIGH IN SKY...BESIDE A BRIGHT STAR

b. angle of elevation.....

c. compass angle bearing.....

24. What was the manner of its disappearance?..IT STAYED IN SKY + WE DIDN'T STAY TO SEE WHEN IT DISAPPEARED — TOO COLD !!

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.....NONE.....

.....

27. How many witness to the sighting?....? ONLY KNOW OF ONE COUPLE WHO HEARD THE NOISE. DIDN'T ASK THE WHOLE TOWN.

~~RESTRICTED~~

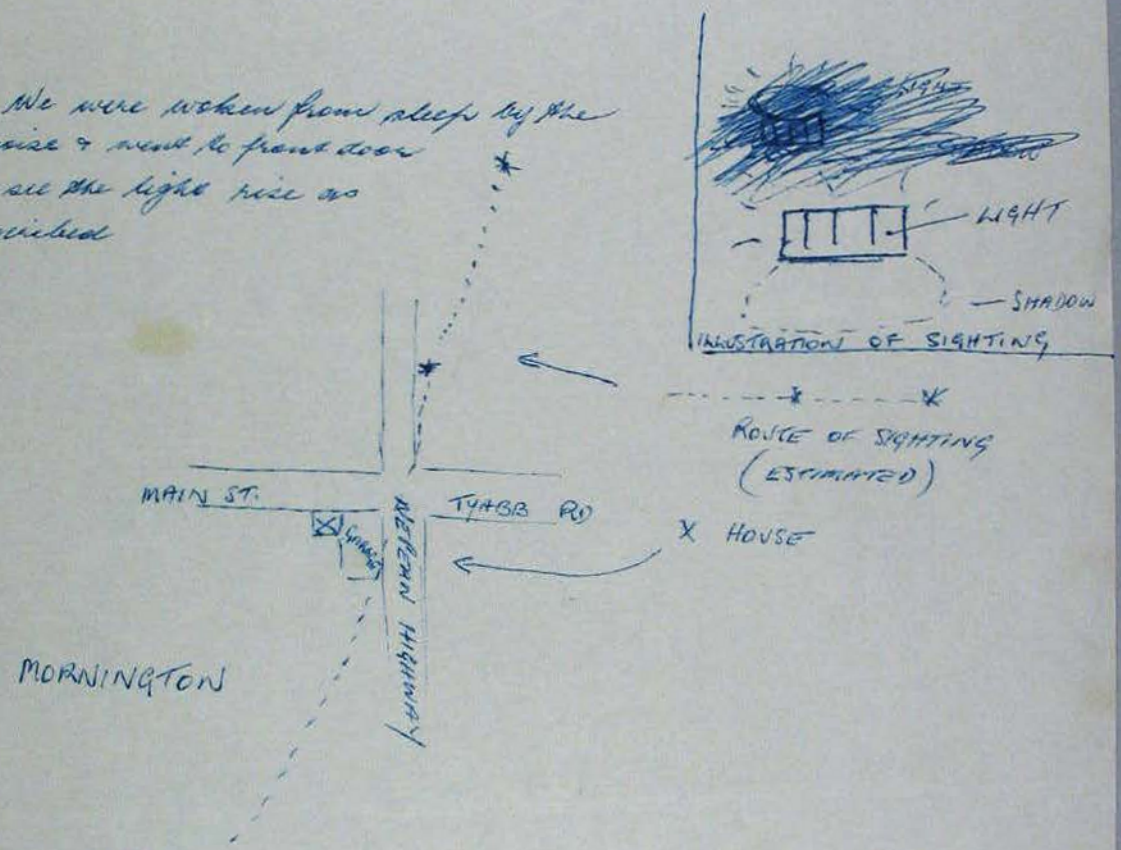
28. Do you know of witnesses to similar sightings in the area?..YES.....

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

30. What are your main reasons for excluding this explanation?.....
DO SUCH THINGS EXIST ??.....

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.

We were woken from sleep by the noise & went to front door to see the light rise as described



Signature A. Gagliardi..... Date 4-7-73.....

Bagliardi

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.I.....(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.I.....(1).....(2).....(3)

Heading.....T.....T.....T

Height.....000 ft.....000 ft.....000 ft

Speed.....K.....K.....K

ATD/ATA*.....hrs.....hrs.....hrs

Moorabbin twr inactive before 0700K

* Give location of nearest ATD or ATA

34. Observer's Location: Latitude 38.15S Longitude 145.06E

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.

JUPITER ..about 300°...about 60° elevation.....

36. A meteorological balloon was released from...LAV...

at..0300 K //..Colour.....Weight.....gm

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

General wind profile...calm.....

Maximum height tracked.....00 ft at.....Z

Was it known to have burst?

37. The first significant temperature inversion was of

.4.5°at.surface.ft measured at.0900 K // hrs from.TULLA.
to 8.5 at abt 500 feet.
.....station.

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

.....

/39. When am

39. When an aircraft is a possible identification, 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~~
! The reported sound and light may not be associated phenomena. When Mrs Gagliardi first reported the ~~no~~occurence she said the sound had made them go outside. Once outside they saw the light when looking for the source of the sound. Initially the light did not seem to play a major role but she has now associated the light with the noise.
2. Neither the Frankston crime car, ~~the~~ Frankston Police car, ~~nor~~ or ~~the~~ a Peninsular ambulance was in the area at the time.
3. The only possible light was Jupiter & I feel this is the reported light. I can offer no solution for the source of the sound.

HQSC ..... 31 JUL 73
(Unit) (Date)

GIBBS .....
(Name of Investigating Officer) (Rank)

In As in the May siren ducting reports, a main road, the Nepean Highway, runs close to the Gagliardi house & I feel the sound came from there and may have been ducted by the low temp inversion.

** Delete as necessary

15 JUN 73

SIGHTING # 16

AVONDALE HGTS B. SCHNEIDERS
VIC

RSO Schneiders 20 Sovereign Way
Avondale H Fe 13 Jul 73 re moon



• THE night sky over Avondale Heights . . . and Bernard Schneiders, 12, snaps his first UFO.

That UFO makes return visit

MELBOURNE'S UFO returned last night — and was "captured" on film.

Bernard Schneiders, 12, of Avondale Heights, was taking pictures of the Southern Cross group of stars with two of his friends, **Theo**, 12, and **Cathryn Kennis**, 9, when Cathryn saw a fast-moving object in the sky.

"We were facing south in Avondale Heights and we saw it at 6.32," Bernard said.

"It was travelling at fantastic speed and changed in color from red to white.

"It didn't have a tail or anything."

Bernard said the object travelled south before "it made a sharp turn back and then seemed to hover for five minutes.

"When Cathryn saw it, my first thought was, 'gosh, a UFO,' and I just aimed the camera."

Bernard is in Form one at Avondale Heights High School.

27 AUG 1973

580/1/1 Pt26 (16a)

Master B. Schneiders,
20 Sovereign Way,
AVONDALE HEIGHTS, VIC 3034

Dear Bernard,

Thank you for your report and photographic negatives of an unusual light source which became evident during photography of the moon.

Specialists in the Royal Australian Air Force have developed and evaluated the photographs and the investigating team is of the opinion that light has entered the camera from other than the normal aperture and has affected the two-negatives during the time exposures.

The reason for this theory is that the intensity of the light is different for the two exposures (10 seconds and 30 seconds). It could also have been what is referred to as 'flare spot' which may have occurred if the photographs were taken from a position where a street lamp was on the extreme edge of the field of view of the lens, but not necessarily showing on the film.

We trust that this answer is satisfactory and thank you for your interest and your negatives and enlarged prints are enclosed.

Yours faithfully,

G. J. Odgers

(G.J. ODGERS)
Director of Public Relations

Copy
DAH
24 Aug 73

Non
Copy sent to HQSC
on 580/1/1 Pt 28 (2b)
28 Aug 73
IR.2.

Non
Dup by DPR
27.8.73

MEMORANDUM

RAAF FORM A273 MAR 63

For use within the RAAF only
Write or print clearly

FROM: HQSC

OUR FILE: 5/6/1 Air (38)

DATE: 31 JUL 73

TO: ~~DEPAIR~~ ATTENTION: DAFI iR-2

REFERENCES: 580-1-1

SUBJECT: UNUSUAL AERIAL SIGHTINGS

DAFI 12.7.73

1. Attached is an unusual aerial sighting report from Master BERNARD SCHNEIDERS 20 Sovereign Way Avondale Heights Vic 3034.

2. Can the negatives be returned to the observer.

SIGNATURE: [signature] | PRINTED NAME: R.O.GIBBS | RANK AND APPOINTMENT: Flg Off INT 1 | PHONE EXTN: 7410

C.D.O. 9777


RECEIVED
- 2 AUG 1973
REGISTRY
CANADA

REGISTERED

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 BERNARD SCHNEIDERS ..... Age 17 .....

2. Address of observer 20 SOVEREIGN WAY .....
AVONDALE HEIGHTS VIC. 3034 ..... Phone 337 4306 .....

3. Occupation of observer STUDENT .....

4. Date and time of start of observation JUNE 15, 1973 8.15 pm ...
How certain is the date? ABSOLUTE .....
How accurate is the time of start? APPROX. .....

5. Duration of observation .....
How accurate is your estimate? .....

6. Observer's location at time of sighting AT HOME .....
.....
How familiar is observer with this locality? .....

7. Weather conditions at time of observation FINE CLEAR SKY .....
EXCEPTING FOR SMALL PATCHES OF CLOUD .....

8. Describe any aids/equipment used in the observation NONE .....
.....

9. Where was object first observed? :
a. Relative to your surroundings Object was observed only in photograph .....
b. angle of elevation of camera from horizontal about 25° .....
c. compass angle bearing almost East (lens direction) ...
d. how accurate are these estimates? Accurate .....

10. What first attracted observer's attention? .....
.....

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? .....

DESTROYED

13. What was the brightness? (compare with full moon or common light source at a stated distance, eg ordinary street light at 100 yards)...see photograph.....

14. What was the apparent size at nearest approach?:

a. relative to Venus or Moon....see photograph.....

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?.....

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)?.....

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.....

21. Describe any deviations or manoeuvres.....

22. Describe any trail of exhaust, vapour or light seen.....

23. Where was object last observed :

a. relative to your surroundings.....

b. angle of elevation.....

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..None.....

.....

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

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?.....

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.

32. Type of camera :- DIANA-F

33. Exposure :- Neg. No. 1. (10secs) Neg. No. 2. (30 secs)

34. Aperature :- 12ft -- inf. and set for cloudy and dull light conditions

35. Type of film :- Kodak Verichrome pan.

36. Developing details :- ID II developer. 7 minutes. 68° F.

37. Camera was resting on fence post

Signature Bernard Schneiders Date 31-7-73

Brenda Schneiders (Mother)

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.....,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.....Nil.....(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. 37.45S Longitude. 144.52E

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.

.....Jupiter may have been visible near moon approx 100° elevation abt 10°.....

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

at.....Z..Colour.....Weight.....gm

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

General wind profile.....

Maximum height tracked.....00 ft at.....Z

Was it known to have burst?

37. The first significant temperature inversion was of

....at.....ft measured at.....Z hrs from.....

.....station.

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

.....Visible satellite info not available 15JUN7.....

/39. When an

39. When an aircraft is a possible identification, 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~~

! Mrs Schneiders rang this office on 13JUL73. She seemed reluctant to part with the negatives and, naturally, wants them back. Mrs Schneiders is a journalist & her husband a professional photographer who developed the film.

2. The photograph and extract from the Melbourne Sun 25JUL73 are for your info only and have not been reported as an unusual aerial sighting.

3. It is considered that this office is not qualified to comment on the attached negatives but the light source to the right of the moon could be stationary man made i.e. a street light, a Jupiter

H&SCU — 31JUL73
(Unit) (Date)

R.O. Gibbs — Flg Off
(Name of Investigating Officer) (Rank)

** Delete as necessary

3 JUL 73

SIGHTING # 15

CAMBERWELL VIC D. J. C. ELLIS

Royal Australian Air Force
A273 Feb 70 **MEMO**

For use within the RAAF only
Write or print clearly

OUR FILE: 580/1/1 Pt 26		FOLIO: 156
FROM: DEPAIR (DAFI)	DATE:	REFERENCES: HQSC 5/6/1/AIR (40) OF 31 JUL 73
TO: HQSC	ATTENTION: CINTELLO	
SUBJECT: REPORTS OF UNUSUAL AERIAL SIGHTINGS		

Enclosed, for your records, is a copy of a letter from this Department to Mr D.T.C. Ellis in reply to his report of an unusual aerial sighting

ENCLOSURE: Copy of letter to Mr D.T.C. Ellis

SIGNATURE	PRINTED NAME	RANK	APPOINTMENT	PHONE EXT
M. Cretton	M. CRETTON	FLC OFF	IR 2	2408

580/1/1 Pt26 (15a)

13 AUG 1973

Mr D.T.C. Ellis,
24 Penrose Street,
BOX HILL SOUTH VIC 3128

Dear Sir,

With reference to your report of an unusual aerial sighting on 3rd July 1973, it has been determined that the most probable cause was an aircraft approaching Tullamarine airport.

Following your initial report of the sighting, it was ascertained from Tullamarine that a DC-9, registration VH-TJD, from Launceston had landed at 5.45 pm. This aircraft would have overflown Wonthaggi in bound for Melbourne, then tracked east of the city before turning to the west for approach to Tullamarine. From your position the aircraft would have been at a low angle of elevation and this, combined with the aircraft turning, would give the impression of greater speed than normal.

Recently, scheduled commercial flights have been turning on their landing lights up to 100 miles before landing. It is thought that the bright light you described was in fact the aircraft's landing lights which are in close proximity on a DC-9.

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

MEMORANDUM

RAAF FORM A273 MAR 63

For use within the RAAF only
Write or print clearly

OUR FILE: 5/6/1/Air (40)

FROM: HQSC

DATE: 31 JUL 73

TO: ~~DEPAIR~~

ATTENTION: DAFI 1R2

REFERENCES: DEPT. OF AIR 580.1-1 DAFI 12.7.73

SUBJECT: UNUSUAL AERIAL SIGHTING

1 Enclosed is an unusual aerial sighting report from Mr ELLIS of Box HILL 3128.

SIGNATURE	PRINTED NAME	RANK AND APPOINTMENT	PHONE EXTN
Gibbs	R.O. GIBBS	Flg Off INT 1	7410

C.O.O. 9777

10. What first attracted observer's attention? ....Bright light....

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? ....white....

~~RESTRICTED~~

(As a
is i
mann
form

1. Name

2. Addre

RECEIVED
- 2 AUG 1973
AIT REGISTRY
CANBERRA

REGISTERED

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 DONALD TALBOT CLIFFORD FELLS Age 32

2. Address of observer 24 PENROSE STREET

BOX HILL STH., 3128 Phone 288-7694

3. Occupation of observer SYSTEMS ANALYST

4. Date and time of start of observation 3/7/73 at about 5.55 pm (date of initial report).

How certain is the date? not very, didn't take note at time, I think a Tuesday

How accurate is the time of start? estimated backwards from time of initial reporting.

5. Duration of observation 1½ MINS. to 3 MINS. MAXIMUM

How accurate is your estimate? Not very, concentrating on traffic

6. Observer's location at time of sighting In car driving east along Riversdale Rd, Middle Camberwell.

How familiar is observer with this locality? Very, travelled every day.

7. Weather conditions at time of observation Clear, sun setting behind and lighting a high overcast.

8. Describe any aids/equipment used in the observation N.I.L.

9. Where was object first observed? :

a. Relative to your surroundings In sky, clear of buildings trees, etc.

b. angle of elevation about 20°

c. compass angle bearing Approximately ESE

d. how accurate are these estimates? observed through car windscreen.

10. What first attracted observer's attention? bright lights

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? white

REGISTERED

RESTRICTED

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 intensity of OI driving light at 100 yds in these weather conditions.

14. What was the apparent size at nearest approach?:

a. relative to Venus or Moon. about size of 1/4 moon.

b. relative dimensions in inches at arm's length (about 20 inches from the eyes). 1/2 to 3/4 inch

15. What were the bearing and elevation angles at nearest approach and how were these values assessed? bearing ENE, angle < 20°, estimated.

16. Was any method of propulsion obvious? No.

17. Describe any sound heard, including changes in pitch and intensity No sound heard.

18. What was the maximum and minimum angle of elevation (or height, if an estimate can be justified)? constant at about 20°

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 Seemed to travel much faster than commercial aircraft.

20. Give duration of any stationary phases. None

21. Describe any deviations or manoeuvres. None

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

23. Where was object last observed :

a. relative to your surroundings. between houses + trees

b. angle of elevation. about 20°

c. compass angle bearing. NNE

24. What was the manner of its disappearance? no longer visible, could have been hidden by nearer objects.

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. training (and interest in aircraft) with ATC. Also navigator training.

27. How many witness to the sighting? observer plus 1

RESTRICTED

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

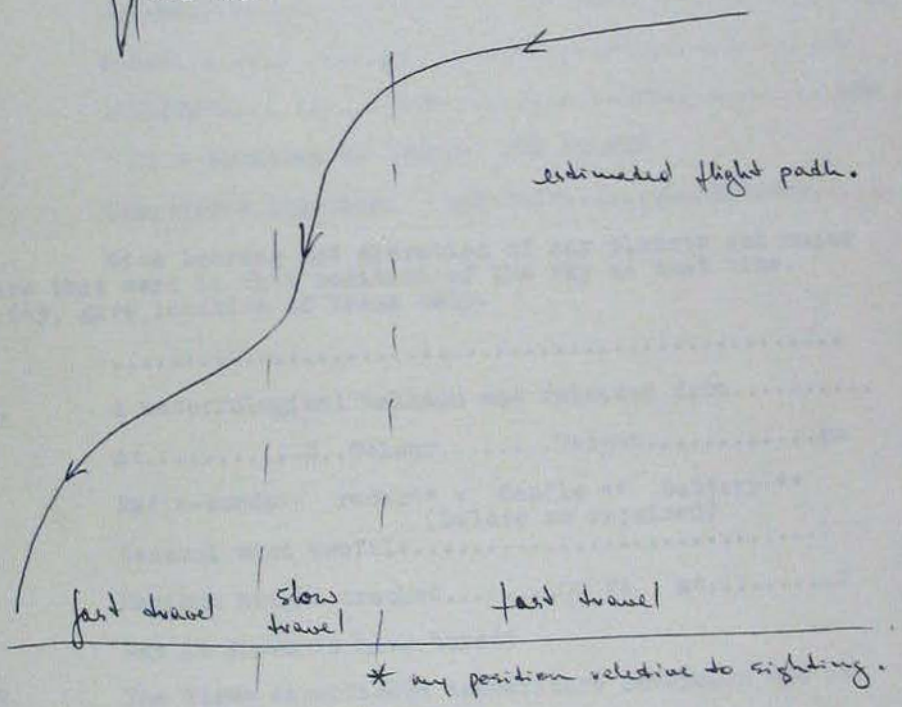
29. What natural phenomenon (or phenomena) would be nearest to explaining your observation?...Reflection of sun on aircraft.....

30. What are your main reasons for excluding this explanation?...No navigation lights visible at any time (ie. red & green). And it seemed to be travelling too fast.

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)





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

Part 2 - 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..... 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.....DC 9/TJD(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.....Longitude.....

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.....

at.....Z..Colour.....Weight.....gm

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

General wind profile.....

Maximum height tracked.....00 ft at.....Z

Was it known to have burst?

37. The first significant temperature inversion was of

....at.....ft measured at.....Z hrs from.....

.....station.

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

.....

/39. When an

39. When an aircraft is a possible identification, 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~~ VH TJD from Launceston to Melbourne with landing lights on. This was confirmed with RAAF controller TULLA at time of sighting

ATA TULLA 1745

HQSCU (Unit) 31 JUL 73 (Date)

R.O.GIBBS (Name of Investigating Officer) Flg Off (Rank)

** Delete as necessary

17 JUL 73

SIGHTING # 14

WILLIAMTOWN NSW

FLT LT N CAMERON

580/1/1 Pt26 (14a)

Headquarters RAAF Williamtown (Attention: FIO)

REPORT OF UNUSUAL AERIAL SIGHTING

Reference: HQWLM 5/2/AIR(8) dated 30th July 1973

1. Investigation by this Department of the unusual aerial sighting reports made by Flt Lt N.G. CAMERON and Mrs T. WILLIAMS on 17th July 1973, has resulted in a logical (although theoretical) explanation that the sighting was of the phenomenon known as 'Kugelblitz' or 'Ball Lightning'.

2. To explain the phenomenon, the following detail has been extracted from 'The Report on the Scientific Study of Unidentified Flying Objects' carried out in the USA by Dr Edward Condon, for the United States 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 of the observer. Several reports do indicate some guidance from telephone or power lines and by grounded objects.

/3. Analysis

3. Analysis of the investigating officer's report shows that the weather conditions pertaining at the time were conducive to the formation of the phenomenon, and from study of the terrain to the east of the viewing position, it is feasible that above ground power lines in the vicinity may have been a contributing factor in the lateral movement of the object.

4. It is requested that this determination be made available to Flt Lt Cameron and Mrs Williams for their information.

(K.R. JANSON)
Group Captain
for Chief of the Air Staff

ROYAL AUSTRALIAN AIR FORCE

DEPT. OF AIR
DAFI.
17.7.73
580/1-1

TELEPHONE: Newcastle 65-1221

Headquarters
RAAF Base
WILLIAMTOWN NSW 2314

IN REPLY QUOTE 5/2/Air(8)

30th July 1973

DAFI
Department of Air

For Information:

Headquarters Operational Command (Attn: CC Intell O)

REPORT ON UNUSUAL AERIAL SIGHTING

1. Attached are reports on an unusual aerial sighting viewed from RAAF Base Williamtown. Observers were Flt Lt N.G. Cameron GDPLT of No 76 Squadron, and Mrs T. Williams of 90 Susans Crescent RAAF Base Williamtown. The sighting took the form of a moving light at 80°-90° AZ, described variously as cream and yellow/orange, roughly the size of Venus, moving rapidly North to South and South to North, with a twenty second pause between manoeuvres.

2. Weather at 2000 hrs local was overcast, with $\frac{7}{8}$ Alto Stratus at 9000 feet, wind North Westerly at 5 knots, and rain had just stopped. Half degree temperature inversions were recorded each for 0-800 feet and 12000-12500 feet. Neither Service nor civilian aircraft were active at the time of sighting and no satellite sightings were forecast. At 2000 hrs Jupiter was at AZ 100° elevation approximately 25°. No other major stars/planets were visible.

3. No solution readily suggests itself other than that of distortion of Jupiter by factors unknown.

4. Forwarded for your further investigation.

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

Enclosure: 1. Reports on Unusual Aerial Sighting

RECEIVED
- 2 AUG 1973
DAFI

HQWCM .....(Unit) A.F. BLACKBURN .....(Name)

30 Jul 73 .....(Date) FLT LT .....(Rank)

(2)

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. FLT LT N.G. CAMERON ..... Age. 34.
2. Address of observer. 3 FLT CDR 76 SQN RAAF BASE WILLIAMTOWN ..... Phone. EXT 2403.
3. Occupation of observer. PILOT
4. Date and time of start of observation. 17 JUL 73 ABOUT 2005
   How certain is the date? POSITIVE.
   How accurate is the time of start? WITHIN 10 MINS EITHER WAY.
5. Duration of observation. THREE TIMES EQUALLING ABOUT SEVEN MINUTES.
   How accurate is your estimate? ONE MINUTE EITHER WAY.
6. Observer's location at time of sighting. MQ 90 SUSANS CRESCENT MARRIED QUARTERS RAAF BASE WILLIAMTOWN.
   How familiar is observer with this locality? VERY - 3RD TOUR - 2ND ARRIVED JAN 71.
7. Weather conditions at time of observation. 4/8 TO 5/8 FRACTO STRATUS AT ESTIMATED 2000 - 3000 FT. MOVING FROM 180°M
8. Describe any aids/equipment used in the observation. N/L
9. Where was object first observed:
   a. Relative to your surroundings. ABOUT 20° NORTH OF THE NORMAL ANGLE FACING EAST ON SUSANS CRESCENT IE ABOUT 080°M
   b. Angle of elevation. ≈ 35° FROM HORIZON
   c. Compass angle bearing. ≈ 080°M
   d. How accurate are these estimates? ELEV ± 5° BEARING ± 10°
10. What first attracted observer's attention? MOVEMENT OF THE LIGHT AS I GOT OUT OF MY CAR.
11. If there was more than one light/~~object~~:
    a. How many were there? NO
    b. In what formation were they? N/A
12. What was the colour of the light or object? OFF WHITE (CREAM).
13. What was the brightness? (Compare with full moon or common light source at a stated distance eg, ordinary street light at 100 yards)
    MET BALLOON AT LOW ALTITUDE OR TAILLIGHT OF A/C IN CIRCUIT
14. What was the apparent size at nearest approach:
    a. Relative to Venus or Moon. VENUS SIZE AT DUSK.
    b. Relative dimensions in inches at arm's length (about 20 inches from the eyes). 1/8"

HQWLM (Unit) A F BLACKBURN (Name)

30 Jul 73 (Date) FLT LT (Rank)

SIGNATURE

1. On a visit to MQ 90 at about 2005 hrs my attention was drawn to a light which was apparently moving to the east of my position. My first thought was that it was an aircraft — a jet by its speed of movement. As to my knowledge, night flying had been cancelled and there was no engine noise I stopped and observed the light. Its movement was in a general north to south direction It then rapidly reversed direction and moved back to the north. This north/south movement took place several times and then stopped. After about 20 seconds ~~a similar occurence took place~~ the sequence repeated itself.

2. My first thought was that the occurence was an optical illusion created by the moving cloud. However the object was about 20° or so to the left of the top of a power pole and the movement was confined in relation to this.

3. My hosts young son (aged about 10) answered the door. I asked him if he could see any thing unusual happening to the light. After a short observation he described the occurence as above.

4. My hosts wife then came to the door and she also confirmed my observation.

5. I went to the phone and spoke to the duty met forecaster to see if any balloons had been released. He replied in the negative and said he would take a look himself. When I returned outside the light had disappeared.

15. What were the bearing and elevation angles at nearest approach and how were these values assessed? AS FOR PARA 9(b) (vi) FROM KNOWLEDGE OF AIRFIELD LAY OUT AND EXPERIENCE

16. Was any method of propulsion obvious? NO

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?) ≈ 35°

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... THE MOVEMENT WAS VERY SIMILAR TO A METEOROLOGICAL BALLOON AT 200 - 500' AGL

20. Give duration of any stationary phases... 15 - 30 SECS

21. Describe any deviations or manoeuvres. NORTH - SOUTH THROUGH ≈ 10° IN RELATION TO POWER POLE ON OPPOSITE SIDE OF ROAD.

22. Describe any trail of exhaust, vapour or light seen... NIL

23. Where was the object last observed:

a. Relative to your surroundings. } AS STATED IN PARA 9(b) (vi) & (c)

b. Angle of elevation. }

c. Compass angle bearing. }

24. What was the manner of its disappearance? IT HAD DISAPPEARED AFTER MY TELEPHONING THE DUTY MET FORECASTER FOR INFO ON BALLOON RELEASES.

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... ALMOST 14 YRS RAAF FLYING, QFI, 4300 HRS TOTAL EXPERIENCE

27. How many witnesses to the sighting? 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? MET BALLOON WITH LIGHT

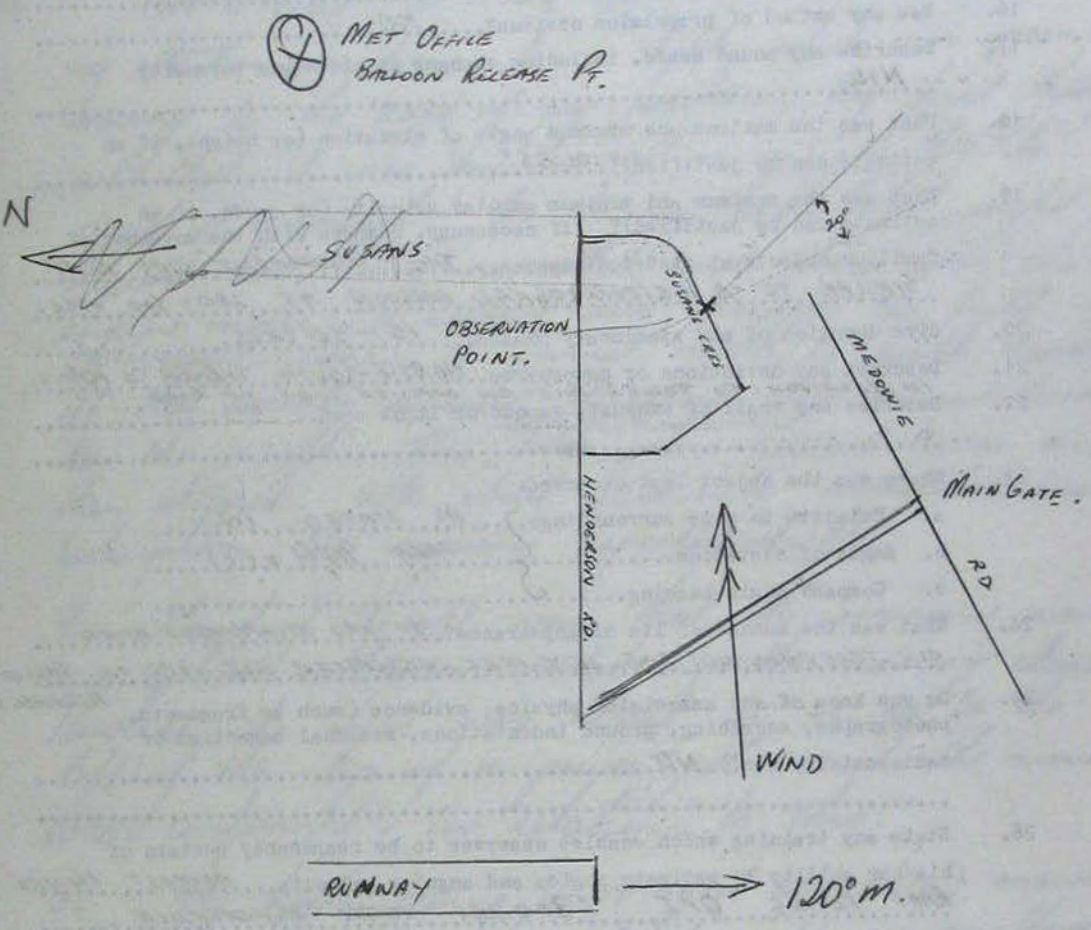
30. What are your main reasons for excluding this explanation? MET FORECASTER SAID NONE HAD BEEN RELEASED

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.

Signature ..... Flt Lt Date 25 JUL 73

HQWLM (Unit) A F BLACKBURN (Name)

30 Jul 73 (Date) FLT LT (Rank)


MET OFFICE
BALLOON RELEASE PT.
N
SUSANS
OBSERVATION
POINT.
SUSANS CRES
HENDERSON RD.
MEDOWIE
RD
MAIN GATE.
WIND
RUNWAY
120°M.

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....THELMA WILLIAMS.....Age..33.
2. Address of observer..90 SUSANS CRESCENT, RAAF.....
.....WILLIAMTOWN.....NSW.....Phone. 651221 EXT 2627
3. Occupation of observer..HOME DUTIES.....
4. Date and time of start of observation....ABOUT 2005 17/7/73.....
   How certain is the date? ..VERY CERTAIN.....
   How accurate is the time of start?..± 5 MINUTES.....
5. Duration of observation.....5 MINS.....
   How accurate is your estimate?...A ROUGH ESTIMATE.....
6. Observer's location at time of sighting.....
.....ABOVE ADDRESS.....
   How familiar is observer with this locality?.....
.....VERY FAMILIAR.....
7. Weather conditions at time of observation.....
.....PARTLY OVERCAST.....
8. Describe any aids/equipment used in the observation.....
.....NONE.....
9. Where was object first observed:
   a. Relative to your surroundings.....DUE EAST.....
   .....
   b. Angle of elevation....45°.....
   c. Compass angle bearing.....90°.....
   d. How accurate are these estimates?....REASONABLY.....
10. What first attracted observer's attention?.....
..FLT LT CAMERON ASKED ME TO LOOK.....
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/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)
.....A BIT BRIGHTER THAN A STAR.....
14. What was the apparent size at nearest approach:
   a. Relative to Venus or Moon. ROUGHLY THE SIZE OF VENUS.
   b. Relative dimensions in inches at arm's length (about 20 inches from the eyes). NOT QUITE 1/4"

.....HQWLM.....(Unit)....A.F. BLACKBURN.....(Name)

.....30 Jul 73.....(Date)....FLT LT.....(Rank)

15. What were the bearing and elevation angles at nearest approach and how were these values assessed? N/A

16. Was any method of propulsion obvious? N/A

17. Describe any sound heard, including changes in pitch and intensity N/A

18. What was the maximum and minimum angle of elevation (or height, if an estimate can be justified?) AS AT (9)

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. N/A

20. Give duration of any stationary phases A MATTER OF SECONDS

21. Describe any deviations or manoeuvres. MOVED LEFT & RIGHT & A CIRCULAR MOTION

22. Describe any trail of exhaust, vapour or light seen. N/A

23. Where was the object last observed:
    a. Relative to your surroundings.....
    b. Angle of elevation..... AS (9)
    c. Compass angle bearing.....

24. What was the manner of its disappearance? NOT KNOWN

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

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 witnesses to the sighting? 2

28. Do you know of witnesses to similar sightings in the area? N/A

29. What natural phenomenon (or phenomena) would be nearest to explaining your observation? NONE

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

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.

Signature [signature] Date 27/7/73.

HQWLM (Unit) A F BLACKBURN (Name)

30 Jul 73 (Date) FLT LT (Rank)

(2)

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...32° 48'...Longitude.151° 48'...

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..JUPITER AZ 100° EL 25°.....

.....

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 at.....Z

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

37. The first significant temperature inversion was of ..½....°C at 0-800 & 1000-125000 ft, measured at.1100.....Z hrs from..RAAF.....WILLIAMTOWN....station.

38. Any remarks on satellites, rockets, research balloons, comets, meteorites etc relevant to the sighting..None forecast.....

39. When an aircraft is a possible identification, include radar trace if available, and ascertain which of the aircraft lights were operating

.....

.....

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).

.....

HQWLM.....(Unit)....A.F. BLACKBURN.....(Name)

30 Jul 73.....(Date)....FLT LT.....(Rank)

25 Jun 73

SIGHTING # 13

NSW/VIC VARIOUS

PRIORITY

NNNVV (LRA661) UU

PP RAYWPP

DE RAYPSL 724 2070641

ZNR UUUUU

P 260630Z JUL 73

FM HQESL

TO RAYQC/HQSC

RAYWPP/DEPAIR ✓

BT

UNCLAS

A302/CFS

UNIDENTIFIED FLYING OBJECT SIGHTING IN THE SALE AREA ON THE 25JUL73 PD TWO OBSERVERS SIGHTED THE OBJECT AT APPROX 1905K HOURS PD SIGHTING COENCIDES WITH REPORTS OF A METEORITE SEEN THROUGHOUT VICTORIA AND SOUTHERN NSW AT THE SAME TIME PD OTHER PERSONS IN THE AREA REPORTED OBSERVING A LARGE METEORITE AT APPROX 1900K PD NO FURTHER INVESTIGATION IS BEING UNDERTAKEN

BT

NNNN

JOINT COMCEN 73 JUL 26 9 47
CANBERRA
JUL 26 09 39 73

RECEIVED
27 JUL 1973
DAFI

as meteors or shooting stars.

The majority burnt up before reaching the earth and most of those that did fall were not seen.

SMH 27 Jul 73

Meteorite may have landed near Deniliquin

By Our Science Reporter

The blazing meteorite seen sweeping across NSW on Wednesday night is now believed to have landed west of Deniliquin.

Many reports placed it somewhere in the CSIRO's 7,000 - acre Faulkner Memorial Field Station, 16 miles from Deniliquin, but the land is waterlogged and all search operations have had to be abandoned.

A worker at the station, Mr Percy Peers, said it would take at least six weeks for the land to dry out.

Mr Peers said he had heard the meteorite coming over on Wednesday night.

"It sounded like a jet flying low and breaking the sound barrier, and then there were two big thumps."

Two geologists from the Australian Museum are planning to leave Sydney as soon as any remains of the meteorite are found.

They are Mr Oliver Chalmers, the former curator of minerals and rocks, and Mr Lin Sutherland, the present curator, who want to collect specimens for research.

Mr Chalmers was directly involved in work on the last known meteorite to fall in Australia at Murchison, 85 miles north of Melbourne, in 1969.

This proved to be a rare carbonoceous stony meteorite and was particularly interesting as it contained a type of amino acid not found on earth.

Mr Chalmers said this had indicated for the first time that there were possibilities of chemical evolution and the subsequent evolution of life in outer space.

Mr Chalmers said that since the first meteorite discovery in Australia—at Barratta near Deniliquin in the late 1840s—about 180 had been found but only 10 had been seen falling.

He said they originated 200 million miles from earth in the asteroid belt between Mars and Jupiter.

Thousands entered the earth's atmosphere every day. They were seen at night rapidly moving across the sky and were known as meteors or shooting stars.

The majority burnt up before reaching the earth and most of those that did fall were not seen.

He said it was estimated that one meteorite fell every year in every 400,000 square miles, which was about the area of South Australia.

They could weigh up to 85 tons. The biggest found in Australia weighed 12 tons, near Perth.

The bright glow of a meteorite was caused by the heat generated by friction with the atmosphere continuously melting the outermost layers of the meteor which streamed off behind as a luminous tail.

He said the loud noise was caused by air rushing in to fill the vacuum left behind the meteorite.

Mr Sutherland said the sightings of bright objects in the Bathurst and Wagga Wagga areas were probably pieces falling from the main body of the meteorite.

15 MAR 78

SIGHTING # 12

MASCOT C.E. KEARNS

NSW.

Royal Australian Air Force
A[illegible]73 Feb 70 **MEMO**

For use within the RAAF only
Write or print clearly

OUR FILE: 580/1/1 Pt 2C	FOLIO: 12b	
FROM: DEPAIR (DAP)	DATE: 22 OCT 73	REFERENCES: HQDC 5/15/1/AIR(M) CF 18JUL73
TO: HQDC	ATTENTION: CCINTELLO	
SUBJECT: REPORTS OF UNUSUAL AERIAL SIGHTINGS		

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

ENCLOSURE: Copy of letter to Mr C E Kearns

SIGNATURE	PRINTED NAME	RANK	APPOINTMENT	PHONE EXT
[signature]	M GRETTON	FLG OFF	[illegible]	2408

580/1/1 Pt26 (12a)

18 OCT 1973

Mr C.E. Kearns
5 Cartwright Avenue
MILLER NSW 2168

Dear Sir,

With reference to the unusual aerial sighting made by yourself on 18th March 1973, the investigating team has studied the detailed report and hypotheses, but regret that a determination has not been resolved.

Normally, logical explanations are available in answer to sightings, and in this instance, there is a similarity to previous reports from meteorological observers from Australia and overseas. Explanations for those sightings were normally that the observer had sighted objects such as thistledown or bird(s) which were of much closer proximity to the viewing position than the observer assessed.

In this particular case, because of the rapid transit of the object through an arc of 196° at virtually constant elevation the investigating team is of the opinion that the object sighted was relatively close to the viewing position (no more than .5 kilometres). This allows for a maximum speed of approximately 100 kilometres per hour, which is within the parameters of flight for a racing pigeon, and the closer the object to the viewing position, the slower the required speed to transit the arc.

We discount the possibility that the object was a satellite, meteorite or aircraft, due to the constant elevation, and the existence of extraterrestrial 'space ships' has yet to be proven.

Thanking you for your interest,

Yours faithfully,

G. J. Odgers

(G.J. ODGERS)
Director of Public Relations

JS
18 oct 73

NOA
Desp by DPK
19-10-73

ROYAL AUSTRALIAN AIR FORCE

DEPT. OF AIR
580-1-1
DAFI
18.7.73

TELEPHONE: PENRITH [redacted] 311,311

TELEGRAPHIC ADDRESS:
"AIRCOMMAND, SYDNEY"

HEADQUARTERS OPERATIONAL COMMAND
RAAF
[redacted]
PENRITH NSW 2750

IN REPLY QUOTE 5/15/1/Air(4)

18th July 1973

Department of Air (Attn: DAFI) CANBERRA

UNUSUAL AERIAL SIGHTINGS

refers to 580/1/1 PT 23 (15)

Enclosed are reports of unusual aerial sightings submitted by Mr. Nigel van Hamburg and Mr. Clarence Edward Kearns. Part 2 of the report submitted by Mr. Kearns has not been completed due to the time lapse between the sighting and its receipt at this headquarters.

(K.D. CLARK)
Squadron Leader
for Air Officer Commanding

Enclosure: Two UFO Reports

RECEIVED
25 JUL 1973
DAFI

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 CLARENCE EDWARD KEARNS Age 38

2. Address of observer 5 CARTWRIGHT AVENUE, MILLER 2168 NEW SOUTH WALES Phone —

3. Occupation of observer METEOROLOGICAL OBSERVER 1630 K

4. Date and time of start of observation 18TH MARCH 1973 / APPROX 0630Z

How certain is the date? DATE IS CORRECT

How accurate is the time of start WITHIN ONE MINUTE

5. Duration of observation 1 MINUTE

How accurate is your estimate? PRECISE. STOP WATCH USED

6. Observer's location at time of sighting PILOT BALLOON OBSERVATION TOWER, METEOROGICAL OFFICE, MASCOT AIRPORT

How familiar is observer with this locality? VERY FAMILIAR

7. Weather conditions at time of observation FINE - SKY CLEAR VIS 30NM PLUS

8. Describe any aids/equipment used in the observation PILOT BALLOON THEODOLITE. USING 20X LENS.

9. Where was object first observed:

(a) Relative to your surroundings EAST NORTHEAST

(b) angle of elevation 21°

(c) compass angle bearing 066°

(d) how accurate are these estimates VERY ACCURATE

10. What first attracted observer's attention? WAS IN PROCESS OF DOING 0500Z PILOT BALLOON FLIGHT. BALLOON WAS AT ABOUT 63000 FT AND WAS USING 20X LENS ON THEODOLITE AND OBJECT PASSED ACROSS FIELD OF VISION

11. If there was more than one light/object:

(a) how many were there? THERE WAS ONLY ONE.

(b) in what formation were they? —

12. What was the colour of the light or object? SILVERY GREY

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) UNABLE TO COMPARE WITH EXAMPLES YOU GIVE. IT DID NOT GLOW BUT APPEARED TO REFLECT LIGHT OF SUN IN SOME TYPE OF WAY.

14. What was the apparent size at nearest approach:

(a) relative to Venus or Moon UNABLE TO ANSWER - WAS IN AFTERNOON

(b) relative dimensions in inches at arm's length (about 20 inches from the eyes). APPROXIMATELY 1/8" OR ABOUT SIZE OF MATCH HEAD AT ARMS LENGTH.

15. What were the bearing and elevation angles at nearest approach and how were these values assessed? ELEVATION 21.5° AZIMUTH 160.8°
By THEODOLITE READINGS

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)? MAX 21.5° MIN 20.5° HEIGHT ?

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. WORKED OUT ON THREE HYPOTHETICAL HEIGHTS 63,000 FT (SAME HEIGHT AS TARGET BALLOON WHOSE SPEED WAS ~ KTS) 21-280 KPH 126,000 FT (TWICE HEIGHT OF TARGET BALLON) 42,000 KPH. 200 MILES (AVERAGE SATELLITE HEIGHT) IN EXCESS OF 40,000 KTS LOWER SPEED FIGURES REPRESENT TRIGONOMETRY RESULTS. HIGHER FIGURES RESULTS FROM PILOT BALLOON SLIDE RULE COMPUTATIONS.

20. Give duration of any stationary phases NONE

21. Describe any deviations or manoeuvres NONE

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

23. Where was object last observed:

(a) relative to your surroundings WEST. TENDING TO TRAVEL TO NW.

(b) angle of elevation 20.8

(c) compass angle bearing 261.7

24. What was the manner of its disappearance? DID NOT SEE IT DISAPPEAR HAD TO RETURN TO BALLOON TO COMPLETE PILOT BALLOON FLIGHT.

25. Do you know of any associated physical evidence (such as fragments, photographs, scorching, ground indentations, residual magnetism or radioactivity etc) NO.

262
866
196

26. State any training which enables observer to be reasonably certain of his/her ability to estimate angles and angular velocity FULLY TRAINED METEOROLOGICAL OBSERVER [redacted] FOR 13 YEARS WITH FULL AMOUNT OF TRAINING IN USE OF PILOT BALLOON THEODOLITE, PILOT BALLOON SLIDE RULE, AND MOST TYPES OF RADAR ETC.

27. How many witness to the sighting? ONLY MYSELF TO MY KNOWLEDGE

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? SPACE DEBRIS OR SATELLITE

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

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.

MY REASONS ARE AS FOLLOWS.
(1) IF IT HAD BEEN, AS MENTIONED ABOVE, EITHER SOME FORM OF SPACE DEBRIS OR SATELLITE AS IT TRAVELLED ACROSS THE SKY ITS ELEVATION AS WELL AS AZIMUTH READINGS WOULD HAVE CHANGED. THAT IS THE ELEVATION WOULD HAVE INCREASED FROM THE MOMENT OF FIRST SIGHTING (ITS PERIGEE) THROUGH ITS APOGEE THEN DECREASING ONCE MORE TO ITS PERIGEE ON THE OPPOSITE SIDE AS IT WENT AWAY. BUT DURING THE OBSERVATION OF THIS OBJECT ALTHOUGH ITS AZIMUTH CHANGED RAPIDLY THE ELEVATION VARIED VERY LITTLE. FROM MEMORY A MAXIMUM OF ONE DEGREE (1°). THROUGHOUT THE SMALL AMOUNT OF TIME THIS OBJECT WAS FOLLOWED ELEVATION READINGS RANGED FROM 20.5° TO 21.5°
(2) [redacted] A CONVERSATION WITH AN OFFICER OF THE SYDNEY ASTRONOMICAL OBSERVATORY ON THE FOLLOWING DAY DURING WHICH I ASKED WHAT THE CHANCES WOULD BE OF SIGHTING SUCH SPACE DEBRIS OR SATELLITE AT THAT TIME IN THE AFTERNOON WITH EQUIPMENT (INSTRUMENT) BEING USED AT THE TIME AND HIS REPLY WAS "IF ATMOSPHERIC CONDITIONS WERE PERFECT AND I WAS FOCUSSED AT THE CORRECT ANGLE AT THE PRECIS TIME IT MAY HAVE BEEN POSSIBLE TO SIGHT SUCH AN OBJECT BUT THE CHANCES WOULD BE MANY THOUSANDS TO ONE TO PICK IT UP AND EVEN IF I DID IT WOULD NOT EXPLAIN THE NEXT TO ZERO CHANGE IN ELEVATION" ABOUT ANYTHING ELSE HE REMAINED NON COMMITTAL.
(3) ITS SPEED WAS BASED ON THREE HYPOTHETICAL HEIGHTS BY TWO MEANS (a) TRIGONOMETRY (b) PILOT BALLOON SLIDE RULE. THE THREE HEIGHTS WERE 63,000 FT — 126,000FT AND 200 MILES. THE RESULTANT SPEEDS WERE 21-2800 KPH — 42-5600KPH AND IN EXCESS OF 40,000 KPH. NONE OF THESE SPEEDS, TO MY KNOWLEDGE, ARE CONSISTANT WITH MAN MADE SPACE DEBRIS OR SATELLITES. THE FIRST APPEARS TO SLOW THE LATTER TO FAST.

Signature [redacted] Date 6 JUNE 73

7/13TH APRIL 73

SIGHTING # 11

TARGA C BARNETT

TAS

Royal Australian Air Force
AL73 Feb 70 **MEMO**

For use within the RAAF only
Write or print clearly

OUR FILE: 580/1/1 P. 26		FOLIO: 11b
FROM: DEPAIR (DAFI)	DATE: 24 AUG 73	REFERENCES: S/1/AIR (56) OF 11 JUL 73
TO: TASMANIAN SQUADRON ATC	ATTENTION:	
SUBJECT: REPORTS OF UNUSUAL AERIAL SIGHTINGS		

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

ENCLOSURE Copy of letter to Mr C Barnett.

SIGNATURE	PRINTED NAME	RANK	APPOINTMENT	PHONE EXT
M Cretton	M. CRETTON	FLG OFF	IR 2	24 [illegible]

22 AUG 1973

580/1/1 Pt26 (11a)

Mr C. Barnett,
Targa
TASMANIA 7257

Dear Sir,

With reference to your report of unusual aerial sightings on 7th and 13th April 1973, the investigating team has determined that the most probable cause of the first sighting was an ELECTRA aircraft, but the second sighting could not be fully evaluated due to lack of information supplied.

On the evening of 7th April, an Electra aircraft departed Launceston for Melbourne at 6.35 PM. The track of the aircraft was to the east of the East Tamar Highway and corresponds to the path of the object sighted. The lights seen would have been the lower anti-collision light (red) and the white identification light, and the duration of observation coincides with the approximate time that an Electra aircraft would take to cross the field of view from the sighting position.

We regret that we cannot adequately assess the second reported sighting as you were apparently less clear of the details of that sighting. Although a BAC-111 aircraft departed Launceston for Canberra at 6.21 PM on the 13th April, it is estimated that at 6.25 PM the aircraft would have been passing an altitude of 8000 feet and due to the cloud cover on that evening would not have been visible to you.

We trust that the explanation is satisfactory and if additional information relating to the second sighting is forthcoming from any source, we will investigate further.

Yours faithfully,

G. J. Odgers

(G.J. ODGERS)
Director of Public Relations

Gplaps
Dair
21 Aug 73

Noted
Dropped by DAR
22.8.73

ROYAL AUSTRALIAN AIR FORCE

237686

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

5/1/Air(56)

11th July 1973

Department of Air (1R2)

UNUSUAL AERIAL SIGHTING

References: A. HQSC 5/6/1/Air(3) of 13th June 1973

B. HQSC 5/6/1/Air(55) of 3rd May 1973

Enclosed is unusual aerial sighting report completed at parts 1 and 2 in accordance with References A and B.

(R.J. DOONAN)
Flight Lieutenant
for Commanding Officer

Enclosure: 1. Report of Unusual Aerial Sighting.

RECEIVED
23 JUL 1973
DAFI

RESTRICTED

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. CHARLES BARNETT.....Age....18.....

2. Address of observer.....TARGA.....

.....PHONE 993368 (for message).....Phone.....

3. Occupation of observer...Farmer.....

4. Date and time of start of observation...6.30 p.m. Friday 13th April (2nd)
6.30 PM Sat 7 Apr 73 (1st)

How certain is the date?.....Very.....

How accurate is the time of start?...Reasonably accurate.....

5. Duration of observation.....about 30 secs. (BOTH SIGHTINGS).....

How accurate is your estimate?.....Reasonably.....

6. Observer's location at time of sighting..Farmhouse near Patrick River

...bridge near commencement of Sidling.....

How familiar is observer with this locality?Lived in area 16 years.

7. Weather conditions at time of observation.overcast cloud...(2nd)...

...clear sky..(1st).....

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

.....

9. Where was object first observed? :

a. Relative to your surroundings..Glanced up and saw object..} BOTH SIGHTINGS

..from W.S.W. passed overhead and slightly to north.....

b. angle of elevation.....35°- 40° (1ST SIGHTING) 10°-15° (2nd)

c. compass angle bearing.....N/A.....

d. how accurate are these estimates?.....ESTIMATE ONLY.....

10. What first attracted observer's attention?...A red and white light..

FLASHING.....

11. If there was more than one light/object :....No.....

a. how many were there?.....one.....

b. in what formation were they?.....NONE.....

12. What was the colour of the light or object?..Red and white light....

FLASHING

RESTRICTED

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)

....Brighter than full moon.....

14. What was the apparent size at nearest approach? :

a. relative to Venus or Moon.....~~size~~ SIZE of a star.....

b. relative dimensions in inches at arm's lingth (about 20 inches from the eyes).....N/A.....

15 What were the bearing and elevation angles at nearest approach and how were these values assessed?.....35°-40° ELEVATION for sighting (ESTIMATE).....

16. Was any method of propulsion obvious?.....No.....

17. Describe any sound heard, including changes in pitch and intensity

.....No sound.....

18. What was the maximum and minimum angle of elevation (or height, if an estimate can be justified)?.....Height about 800 ft.....

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...No estimate. (Similar object sighted approx. 6.30 p.m. Saturday 7th April). ~~In this case, object appeared to remain stationary for 30 seconds~~ FLASHING RED + WHITE LIGHT)

20. Give duration of any stationary phases.....

21. Describe any deviations or maneeuvres.....NONE (BOTH SIGHTINGS).....

22. Describe any trail of exhaust, vapour or light seen Nil. exhaust or vapour...

23. Where was object last observed :

a. relative to your surroundings.Over trees in direction of Sidling (towards Scottsdale)

b. angle of elevation.....~~30°-40°~~.....

c. compass angle bearing.....TO THE NORTH-EAST.....

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

25. Do you know of any associated ph ysical 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 witness to the sighting?..2.....

Sister - Rose Barnett Age 12
Grandmother - Mrs. E.M. Harrison age 60 approx.

28. Do you know of witnesses to similar sightings in the area? 2 Page 2

29. What natural phenomenon (or phenomena) whould be nearest to explaining your observation? None

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

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 S. SAMBELL (SOC) Date 14th APRIL 1973

Part 2 - Unit Evaluation

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

A/C type BAC 111 (1) ..... (2) ..... (3)

Heading N-E T ..... T ..... T

Height about 1400 ft ,000 ft ..... 000 ft ..... ,000 ft

Speed NOT KNOWN K ..... K ..... K

ATD/~~ATA~~ LTN 1821 K hrs ..... hrs ..... hrs

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

A/C type ELECTRA (1) ..... (2) ..... (3)

Heading N-E T ..... T ..... T

Height about 8000 ft ,000 ft ..... ,000 ft ..... ,000 ft

Speed NOT KNOWN K ..... K ..... K

ATD/~~ATA~~ LTN 1820 K hrs ..... hrs ..... hrs

* Give location of nearest ATD or ATA

34. Observer's Location : Latitude 147° 25' E Longitude 41° 18' S

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 LTN (BOTH SIGHTINGS)

at 0330 Z Colour WHITE Weight NOT KNOWN gm

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

General wind profile WESTLY

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

Was it known to have burst? YES.

37. The first significant temperature inversion was of 2 °C at 5000 ft, measured at 1730 Z hrs from LAUNCESTON station (BOTH SIGHTINGS)

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

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?.....

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..... Date.....

if available, and ascertain which of the aircraft lights were operating.....NO RADAR AVAILABLE - A/C LIGHTS ON.....

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) .....SEE REPORT.....

.....TASAFC (LAUNCESTON).....(Unit).....[signature].....(Name)

.....27 Jan 73.....(Date).....FLT LT.....(Rank)

INVESTIGATING OFFICER'S REPORT ON
THE SIGHTING OF UNUSUAL AERIAL OBJECTS
NEAR TARGA ON 7TH AND 13TH APRIL 1973

INTRODUCTION

1. On the 14th April 1973, the Senior Operations Controller (SOC), Mr S. SAMBELL, at LAUNCESTON Airport received a telephone call from Mr C. BARNETT of TARGA (situated 16NM North-North-East of LAUNCESTON). Mr BARNETT reported the sighting of an unusual aerial object at 1830K on Friday 13th April 1973. During the telephone conversation, Mr BARNETT mentioned a similar sighting that he made at 1830K on Saturday 7th April 1973.

2. The SOC, Mr SAMBELL, completed Part I of the 'Report on Unusual Aerial Sighting' and dispatched it through Department of Civil Aviation (DCA) channels. This report was returned to this unit for investigation.

STATEMENT BY THE WITNESS

3. The investigating officer interwiewed Mr BARNETT on Friday 18th May 1973. Mr BARNETT was still clear as to the details of the first sighting, but not the second. As two similar sightings were reported, each of these will be discussed separately.

First Sighting

4. Mr BARNETT said that he was standing near his farm house when his was attracted by a flashing red and white light. The light approached from the West-South-West passed his field of view to the North and disappeared to the North-East. The angle of elevation of the light was about 35^{0} to 40^{0}. On questioning, Mr BARNETT said that the light did not remain stationary, but travelled across his field of view. Mr BARNETT estimates the duration of the sighting at about 30 seconds. He said that he did not report this sighting at the time and he forgot about it until the second sighting.

Second Sighting

5. Mr BARNETT stated that he was standing near his farm house when he noticed a flashing red and white light. The light appeared from the West, passed across his field of view and disappeared to the North-East over a ridgeline. The angle of elevation of the light was low and is estimated to have been about 10^{0} to 15^{0}. The duration of the observation is estimated to have been 30 seconds. Mr BARNETT said that there was low cloud in the area at the time. Mr BARNETT then telephoned DCA to report his sightings.

QUALITY OF THE EVIDENCE

6. Mr BARNETT was interviewed by the investigating officer and appeared to be a sensible person. The witness recalled clearly the facts of the first

/sighting

sighting, but appeared to be unsure of some of the facts regarding the second sighting.

POSSIBLE EXPLANATIONS

7. The following aspects were considered in attempting to find satisfactory explanations:

a. Aircraft. First sighting - An Electra aircraft departed LAUNCESTON for MELBOURNE, and is estimated to have passed to the North of TARGA at 1835K. The aircraft is estimated to have been climbing through 8000 feet at 1835K.
Second sighting - An RAAF BAC 111 departed LAUNCESTON for CANBERRA at 1821K. The aircraft is estimated to have passed to the North of TARGA at 1825K, and been climbing through 14,000 feet.

b. Visible Satellites. There were no visible satellites at the times of either sighting.

c. Meteorological Balloons. On the dates of both sightings, meteorological balloons were released from LAUNCESTON airport at 1430K. With the prevailing winds present on both sightings, the meteorological balloons would have drifted well to the East by the time the sightings were made.

d. Local Phenomenon. There is no local phenomenon that may have affected the two sightings.

e. Meteorological Conditions. At 1700K on the dates of both sightings the weather conditions at LAUNCESTON were recorded as:

First sighting: Surface wind - 230/2kts
Visibility - 30NM
Cloud - $\frac{3}{8}$ Sc 5000ft, $\frac{1}{8}$ Ci 30000ft.
Inversions - a 2°c inversion at 5000ft.

Second sighting: Surface wind - 320/4kts
Visibility - 15NM smoke haze
Cloud - 8/8Cu and Sc at 2500ft
Inversions - 2°c inversion at 5000ft

Although these weather conditions apply to LAUNCESTON, they may be considered to have applied in the area of TARGA at the times of the sightings.

f. Celestial Bodies. At the times of both sightings the planet Saturn was at an angle of elevation of 30° in the North-North-West sky and barely visible to the naked eye. On both occassions, the planet Venus was very low on the Western horizon. Neither of these two planets are considered to have any bearing on the sightings.

/CONCLUSIONS

CONCLUSIONS

First Sighting

8. The most probable cause of the first sighting was the flashing navigation or anti-collision lights of the Electra aircraft enroute to MELBOURNE. At the time of the observation, the aircraft is estimated to have been to the North of TARGA at about 8000 feet. This would explain the angle of elevation of the observation. The duration of the observation coincides with the approximate time an aircraft, at that height, speed and distance from the observer would take to cross his field of view.

Second Sighting

9. The investigating officer cannot put forward a reasonable explanation for the cause of the second sighting. The BAC 111 aircraft can be discounted because it would not have been visible to the observer because of cloud cover. In addition, the witness was quite positive that he observed the flashing light at a low angle of elevation, because the low ridgeline to the North of his farm (about $\frac{1}{2}$ mile) was just visible above the light.

10. The investigating officer discounts the possibility of a low flying light aircraft at that time because of the lack of engine noise, low cloud in the area and the onset of darkness.

11. As the observer was not clear on some details of the second sighting, the investigating officer cannot put forward an explanation due to lack of sufficient reliable information.

(M.J. HAXELL)
Flight Lieutenant
Investigating Officer

TASATC (LAUNCESTON)
27th June 1973

17 JUN 73

SIGHTING # 10

ALLORA M.C. COX

(ONJ)

Royal Australian Air Force
A73 Feb 70 **MEMO**

For use within the RAAF only
Write or print clearly

FROM: DEPAIR (DAT-I)	OUR FILE: 580/1/1 Pt 26	FOLIO: 103
TO: HQAMB	DATE: 1st AUG 73	REFERENCES: 82W/S/9/AIR (39) dtd 16 Jul 73
	ATTENTION: 82 WIO	
SUBJECT: REPORTS OF UNUSUAL AERIAL SIGHTINGS		

1. Enclosed, for your records, is a copy of a letter from this Department to Mr M C Cox in reply to his report of an unusual aerial sighting.

2. Also enclosed is a summary of investigations for 1972 as requested.

ENCLOSURES: 1. Copy of letter to Mr M C Cox
2. Summary of investigations for 1972

SIGNATURE	PRINTED NAME	RANK	APPOINTMENT	PHONE EXT
[signature]	M CRETTON	FLG OFF	IR 2	3404

580/1/1 Pt26 (10a)

Mr M.C. Cox,
Flat 2,
83 Curzon Street,
TOOWOOMBA QLD 4350

Dear Sir,

With reference to your report of an unusual aerial sighting on 17th June 1973, it has been determined that the most probable cause was the star CANOPUS.

At the time of the sighting, CANOPUS was at an elevation of about 10° with a magnitude of -1, and would have been visible to you to the south-west moving further to the south. This apparent movement of the star corresponds with your description of the sighting.

Pollutants in the atmosphere, held down by a 3.5°C temperature inversion recorded at 6000 ft, would account for the flashing effect of the light.

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

Royal Australian Air Force
A273 – MEMORANDUM
May 72 Stock No 7530-66-052-8064

FROM	FILE	DATE	REFERENCES
HQAMB	82w/5/9/Air (39)	16 Jul 73	

TO DEPAIR ATTENTION DAFI-IR

SUBJECT UFO REPORTS

1. Forwarded is one copy each of UFO reports by Mr M.C. COX and Mr H.S.D AUSTIN. Also included is a summary of identifiable sightings made recently.

Enclosures: 1. Report by Mr M.C. COX
2 Report by Mr H.S.D AUSTIN
3 82w/5/9/Air (36)

SIGNATURE	NAME	RANK	APPOINTMENT	PHONE NO
[signature]	R.M. BERTRAM	Sqn Ldr	WIO	2357

RESTRICTED

INTERVIEWED BY
FLTLT R.J. SALMOND
5 JUL 73

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... MICHAEL CHARLES COX ...Age... 23 ...

2. Address of Observer... FLAT 2 83 CURZON ST ...
... TOOWOOMBA ...Work Phone... 34 1034 ...

3. Occupation of Observer... PLANT BREEDER DPI QLD WHEAT RESEARCH INSTITUTE ...

4. Date and time of start of observation... 17 JUN 73 2100 ...
How certain is the date?... CERTAIN ...
How accurate if the time of start?... ± 10 MINS ...

5. Duration of observation... 10 MINS ...
How accurate is your estimate?... ± 5 MINS ...

6. Observer's location at time of sighting... MOVING CAR ...
... AND LATER STATIONARY CAR ...
How familiar is observer with this locality?... VERY ...
...

7. Weather conditions at time of observation... FINE ... WITH ...
... HIGH MISTY CLOUD ...

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

9. Where was object first observed:
(a) Relative to your surroundings... THROUGH LEFT HAND ...
... SIDE OF FRONT WINDOW OF CAR TRAVELLING NORTH WEST ...
(b) angle of elevation... 20° ± 10° ...
(c) compass angle bearing... 270° ± 30° ...
(d) how accurate are these estimates... as above ...

10. What first attracted observer's attention?... VERY BRIGHT ...
... FLASHING LIGHT ...

RESTRICTED

11. If there was more than one light/object: N/A

(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, e.g. ordinary street light at 100 yards).BRIGHTER THAN MOON ABOUT SAME AS STREET LIGHT AT 100 YDS

14. What was the apparent size at nearest approach:

(a) relative to Venus or Moon.¼ DIAMETER OF MOON.....

(b) relative dimensions in inches at arm's length (about 20 inches from the eyes)...1"..... .....

15. What were the bearing and elevation angles at nearest approach and how were these values assessed?..DID NOT APPROACH.....

16. Was any method of propulsion obvious?..NO.....

17. Describe any sound heard, including changes in pitch and intensity..NO SOUND - MOTOR OF CAR TURNED OFF.....

18. What was the maximum and minimum angle of elevation (or height, if an estimate can be justified)?..CONSTANT ELEVATION.....

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...3° per minute - Southerly direction.....

20. Give duration of any stationary phases..NIL but forward movement not smooth.....

21. Describe any deviations or manoeuvres...NIL.....

22. Describe any trail of exhaust, vapour or light seen..... .....NIL.....

23. Where was object last observed:

.../3

(a) relative to your surroundings.....

(b) angle of elevation.....20° ± 10°.....

(c) compass angle bearing.....240° ± 30°.....

24. What was the manner of its disappearance?.....OBSERVER CEASED WATCHING.....

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 witness to the sighting?.....ONE OTHER PERSON.....

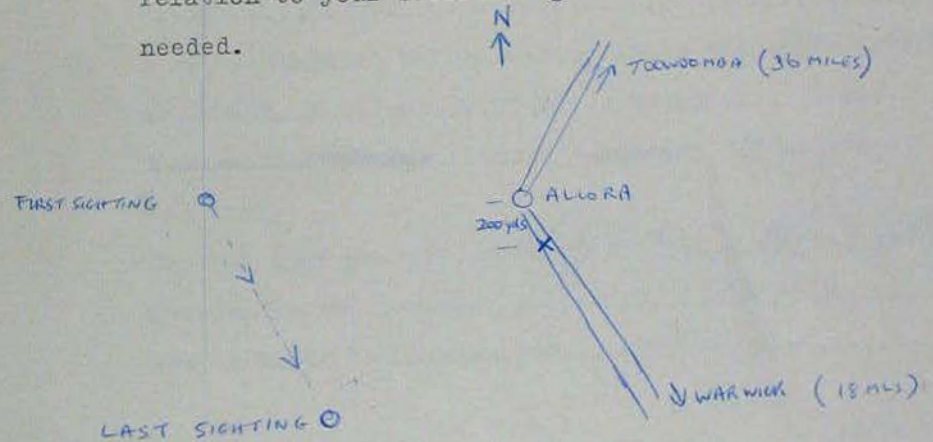
28. Do you know of witnesses to similar sightings in the area?.....OBSERVER HAS HEARD OF WITNESSES BUT DOES NOT KNOW THEM BY NAME.....

29. What natural phenomenon (or phenomena) would be nearest to explaining your observation?.....AIRCRAFT WITH FLASHING LIGHTS (HELICOPTER).....

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

.....BRIGHTNESS OF LIGHT : IRREGULARITY OF SPEED :.....

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:

A/C type.....(1).....(2).....(3)

Heading.....T.....T.....T

Height.....N/K,000 ft.....,000 Ft.....,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.....T.....T.....T

Height.....N/K,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 2803 S..Longitude 15200 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..CANOPUS.....
...210°/10°.....

36. A meteorological ballon was released from.EAGLE FARM....
at.1100...Z Colour.WHITE....Weight.....gm
~~Radio-sonde*/Radar~~: Candle**/~~Battery~~**(**delete as required)
General wind profile.Southerly to 7000', then Westerly...
Maximum height tracked.....,000 ft at.....Z
Was it known to have burst?....Unknown.....

...../5.

37. The first significant temperature inversion was of ...3½...°C at ...6000...ft, measured at..1100.....Z hrs from.....Cache Farm.....station.

38. Any remarks on satellites, rockets, research balloons, commets, meteorites etc. relevant to the sighting.....
.....N/C.....

39. When an aircraft is a possible identification, include radar trace if available, and ascertain which of the aircraft lights were operating..No radar trace. No helicopter were in area.....

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)
Apparent movement of Canopus due atmospherics.
See written report.

.....82 Wing.....(Unit)..R.M. Bertram.....(Name)
.....11th July 73...(Date)..Sqn Ldr.....(Rank)

UFO SIGHTING AT ALLORA BY
MR M. COX ON 17TH JUNE 1973

1. This object bears a marked resemblance to the apparently moving stars received by the investigating officer, Sqn Ldr BERTRAM, at Springbrook on 31st May. The only anomaly appears to be the bearing. However, if the bearing of the first sighting, relative to the line of the road (obtained from Mr Cox's sketch) is plotted on a map, the bearing becomes 255°. Allowing for the estimated 30° error, this would bring the star Canopus within the bounds of possibility.

2. The apparent movement seems extreme, and is, in fact, greater than that observed by Sqn Ldr Bertram at Springbrook, but Mr Pilgrim, of Springbrook, has observed movements of similar magnitude. Normal atmospheric refraction would make it appear higher than the 10°.

3. The size, brightness, and irregular movement of this flashing light point to the fact that it was a star sighting affected by atmospheric conditions. A helicopter can be discountered as any helicopter flying at night in that area would be in transit and would have a straight and constant movement, and, very probably, would not have any bright white light showing.

(R.M. BERTRAM)
Squadron Leader
Wing Intelligence Officer

11th July 1973


RG31
ALLORA / WARWICK
1:100,000
OBSERVERS POSITION
Allora
Ellisthorp
Talgai
Hendon
Richmond
Mount Marshall
Deuchar
Willowvale
Massie
Delamore Park
Teelburra
Rosehill
Mount Gordon
Condovale
Mill Hill
Golf course
Warwick
Canning Downs
Kingswood
Madonna Downs
Hermitage
Kingsford
Eastments Ridge
Condamine River
Southern Railway
Mount Marshall
Glengallan Creek
Lake Leslie
Morgan Park

24 JUN 73

D 2050

SIGHTING # 9

IPSWICH/BRISBANE H.S.D. AUSTIN
QLD

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. H.S.D. AUSTIN ..... Age. 73 ....
2. Address of Observer. 25 GILLAM ST. .....
   NORMAN PARK. BRIS. (4170) ..... Phone. 95 1493 B.
3. Occupation of Observer. RETIRED .....
4. Date and time of start of observation. 24.6.73 ... 9.30 P.M.
   How certain is the date? ... POSITIVE .....
   How accurate if the time of start? .. POSITIVE WITHIN MIN.
5. Duration of observation. THIRTY FIVE MIN .....
   How accurate is your estimate? ... CORRECT .....
6. Observer's location at time of sighting. DRIVING FROM ....
   HA ~~TOOWO~~ IPSWICH TO BRISBANE .....
   How familiar is observer with this locality? .. FAIR, ...
   .....
7. Weather conditions at time of observation .. GOOD .....
   .....
8. Describe any aids/equipment used in the observation. NIL ...
   .....
9. Where was object first observed:
   (a) Relative to your surroundings APPROX .. 30° EAST .....
   .....
   (b) angle of elevation ... APPROX .. 70° .....
   (c) compass angle bearing. APPROX .... 30° EAST .....
   (d) how accurate are these estimates. FAIR .....
10. What first attracted observer's attention? .. BRIGHT .....
    LIGHT OF OBJECT .....

RESTRICTED

ANSWER Q.13 LIGHT WAS BRIGHTER THAN BRIGHTNESS TO MOON
STREET LIGHTS NO COMPARISON.
Ad.

11. If there was more than one light/object:
    (a) how many were there?.....N.I.L.....
    (b) in what formation were they?..ONE ONLY.....
12. What was the colour of the light or object?.BRIGHT.....
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).....BRILLIANT.....
14. What was the apparent size at nearest approach:
    (a) relative to Venus or Moon.LARGER THAN VENUS.....
    (b) relative dimensions in inches at arm's length (about 20 inches from the eyes)..16" x 4".....
    ..WITH WINGS ON EACH SIDE PROTRUDING APPROX 3" & 6"..
15. What were the bearing and elevation angles at nearest approach and how were these values assessed?.ALREADY....
    MENTIONED...BY OBSERVATION.....
16. Was any method of propulsion obvious?..NO.....
17. Describe any sound heard, including changes in pitch and intensity...N.I.L.....
18. What was the maximum and minimum angle of elevation (or height, if an estimate can be justified)?.VERY HIGH....
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...N.I.L.....
20. Give duration of any stationary phases..STATIONARY.....
21. Describe any deviations or manoeuvres..STATIONARY.....
22. Describe any trail of exhaust, vapour or light seen.N.I.L.
    .....
23. Where was object last observed: 26-6-73.

.../3

(a) relative to your surroundings.....

(b) angle of elevation..ALREADY STATED.....

(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)..NIL.....

.....

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

27. How many witness to the sighting?..FOUR.....

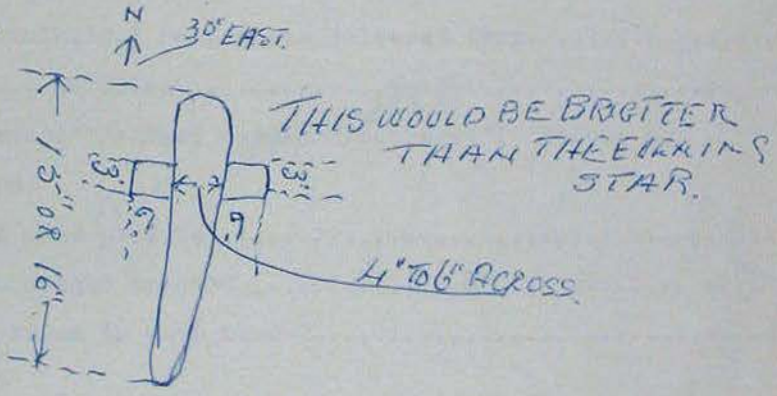
28. Do you know of witnesses to similar sightings in the area?.....NO.....

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

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.H. Aush..... Date.28-6-73..

Part 2 - 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.....T.....T.....T

Height.....,000 ft.....,000 Ft.....,000f

Speed.....K.....K.....K

ATD/ATA*.....hrs.....hrs.....hrs

NOT APPLICABLE

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

A/C type.....(1).....(2).....(3)

Heading.....T.....T.....T

Height.....,000 ft.....,000 ft.....,00 ft

Speed.....K.....K.....K

ATD/ATA*.....hrs.....hrs.....hrs

NOT APPLICABLE

* Give location of nearest ATD or ATA.

34. Observer's Location: Latitude.....Longitude.....

TRAVELLING IPSWICH TO BRISBANE

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. JUPITER

100° / approx 30°

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

at.....Z Colour.....Weight.....gm

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

NOT APPLICABLE

General wind profile.....

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

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

...../5.

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

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

39. When an aircraft is a possible identification, 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)
.....

See written report.

.....(Unit).....(Name)

.....(Date).....(Rank)

UFO SIGHTING IN BRISBANE/IPSWICH AREA
BY MR H.S. AUSTIN ON 24TH JUNE 1973

1. Mr Austin rang late on Monday 25th June to report an unidentified aerial sighting. He and some friends had left Ipswich to travel to Brisbane by car at approx 2100 hrs on Sunday 24th. Soon after leaving Ipswich they noticed a bright light in the east. He described it as aeroplane shaped, about 15 or 16 inches long, and moving slowly to the east. The object was lost to view as they entered the suburbs near Brisbane.

2. The investigating officer, Sqn Ldr Bertram, gave Mr Austin his home phone number. Mr Austin called about 2000 hours that evening (25th June) and reported another object of the same shape, only smaller. He gave a compass bearing and elevation. The officer looked at the sky, but could only see a bright star through a hole in the clouds. Mr Austin rang again about a ½ hour later and reported that it had moved slowly westwards. This coincided with the normal apparent movement of stellar objects; consequently, the investigating officer suspected that the observer had been describing the bright star, but had no idea of describing the size.

3. On the next evening, Tuesday 26th, he rang again about 2030 hours and said that the same object as he saw on Sunday evening could be seen high in the sky to the east. The investigating officer looked out (that evening was perfectly clear) and saw Jupiter, at an elevation of about 30°. This was explained to him and he appeared happy and satisfied. The report form had already been despatched to him, and is included in this report.

4. Comments on this observation are:

a. The normal pattern of light emitted from a bright star or planet is essentially an elongated cross. This apparently led him to believe that the thing had wings;

b. The object would remain in the same relative position when viewed through a windscreen. As the car was travelling roughly east, an unskilled observer would think that the object was travelling east also;

c. Mr Austin has no idea of estimating sizes or angles. The accurate bearings that he gave over the phone on the Monday evening were read off a compass. The actual size of the object was way out, and this illustrates the difficulty encountered when an investigating officer is trying to build a mental image of a sighting; and

d. The strange part is that Mr Austin could live for 74 years and still not be able to recognize a star when he sees one.

(R.M. BERTRAM)
Squadron Leader
Wing Intelligence Officer

11 Jul 73

Jun 73

D 2030

SIGHTING # 8

KILKIVAN QLD

ABC REPORTER

ANNEX C TO
82W/5/9/Air (36)
DATED 12JUL73

UFO SIGHTING IN KILKIVAN AREA
IN EARLY JUNE 1973

1. The Intelligence Officer, Sqn Ldr BERTRAM, received a telephone call from an ABC reporter at MARYBOROUGH, QLD, during the first two weeks in June. The call concerned a sighting made by a friend of his in the KILKIVAN area. The reporter had visited the area and had also seen the lights.

2. Description of the lights was identical in all respects to that of the apparently moving stars in Annex A/B Unfortunately, the exact date of the phone call was not recorded, but the sightings had been made over a number of weeks.

3. The theory was explained to the caller who seemed completely satisfied. No correspondence was initiated.

31 MAY 73

D 2030

SIGHTING # 7

SPRINGBROOK J. PILGRIM
OHIO

ANNEX B TO
82W/5/9/Air (36)
DATED 12JUL73

UFO SIGHTING AT SPRINGBROOK
ON 31ST MAY 1973

1. Mr J. PILGRIM, who reported a sighting earlier this year, subsequently reported that, on almost every night since the initial sighting, he had seen moving flashing lights in the sky. These were not like the first reported one and did not seem in any way connected.

2. The new sightings appeared in early evening, were like bright stars, and moved rapidly in all directions at random intervals. They were mainly bright white, but flashed greenish or reddish on occasions. The lights would stay around for some considerable period, then suddenly dive and disappear below the horizon.

3. An investigating officer, Sqn Ldr BERTRAM, accompanied by a RAAF photographer, went to Springbrook on the evening of 31st May 1973. The lights duly appeared. They looked like heliocopters at a distance doing violent manoeuvres about a mean position. However, further observation confirmed that they were stars. The photographer took some time-exposed shots, but, unfortunately, nothing appeared on the film.

4. The reason for this phenomena is thought to be random atmospheric refraction caused by temperature inversions and radiation. In the evening, on a cold, clear, night, the surface radiates heat depending on its surface, texture, etc. This would cause, in the layer of air close to the ground, an almost infinitely variable and changing pattern of densities in both in the horizontal and vertical planes. This in turn would cause any ray of light from a low angle (as these were) to appear to move and change colour.

5. The stars did not appear to move until they were about 20° from the horizon. In this instance, the eastern horizon was largely hidden, but similar sightings in that direction should be possible. This phenomena should be visible at many other places on a clear cold night following a warm day.

..../ANNEX C

29 MAY 73

SIGHTING # 6

AMBERLEY ARMAN
QLD

ANNEX A TO
82W/5/9/Air (36)
DATED 12JUL73

UFO SIGHTING IN AMBERLEY AREA
ON 29TH MAY 1973

1. On Tuesday, 29th May, an airman at Amberley reported to the Wing Intelligence Officer that at 1330 hours he had seen a bright white light trailing smoke plummet into the ground to the west of the base at great speed at about a 70° angle. Subsequent immediate investigation revealed that:

a. No aircraft were missing; and

b. Other people had seen it.

2. The other observers were:

a. An airman in a 9 Sqn heliocopter which was on the ground at the position shown on the map; and

b. A civilian at Marburg, also shown.

3. The airman in the heliocopter said that he had seen this thing descend a few miles to the west, and that it had burnt out just below cloud level. The cloud level was not below 3000 ft. This man had the best view as he was on top of a mountain. The civilian at Marburg reported that it had descended a few miles west of his position.

4. Several farmers in the area a few miles west of the heliocopter position were contacted. They had seen nothing but some of their workers had heard a loud noise, like blasting, from a westerly direction at the same time. An investigation into the Main Roads Dept in that area revealed no blasting operations that day.

5. Then, the control tower at Oakey reported that it had heard a sonic boom at 1332 hours. Phone calls were made to several police stations between Marburg and Toowoomba, but no one had reported anything.

6. Correlation of all these facts reveals that:

a. An object (probable a meteorite or some space debris) descended to the west of Amberley and burnt out before it hit the ground;

b. It could have caused a sonic boom. Unfortunately, no one could be found who both saw and heard it; and

c. The actual position was much further west than that reported. Actual distance of such a sighting would be near impossible to judge, and would have probably been closer to 30 miles west of Marburg.

..../ANNEX B


ANNEX 'A'
SC 56-14
1:250,000
IPSWICH
FARMERS IN THIS AREA
HEARD NOISE
RAAF OBSERVER
IN HELIOCOPTER
CIVILIAN OBSERVER
ESTIMATED DIRECTION
OF SIGHTINGS
RAAF OBSERVER
AT AMBERLEY
Glenmore Grove
Kentville
Brightview
Lockrose
Lake Clarendon
Gatton
Grantham
Forest Hill
Laidley
Grandchester
Mt Forbes
Mutdapilly
Franklin Vale
Helidon
Mt Crosby
Haigalea
Minden
Lawes
Hatton Vale
Summerholm
Mt Tarampa
Balaam Hill
Baaraba Creek
Lowood
Tarbury
Dinmore
Bandanda
Ipswich

14 JUL 73 D 2030

SIGHTING 5

KIMBE
PNG

14 JUL 73

D 2010

SIGHTING # 4

BOROKO
PNG

TERRELL

Royal Australian Air Force
A273 Feb 70 **MEMO**

For use within the RAAF only
Write or print clearly

OUR FILE: 580/1/1 Pt 26		FOLIO: A6
FROM: DEPAIR	DATE: 25 SEP 73	REFERENCES: 109-D1-11 (A6) OF 30 JUL 73
TO: HQPNGFOR	ATTENTION: SO 3 (INT)	
SUBJECT: REPORTS OF UNUSUAL AERIAL SIGHTINGS		

Enclosed for your records is a copy of a letter from this Department to Mr Terrell in reply to his report of an unusual aerial sighting

ENCLOSURE: Copy of letter to Mr Terrell

SIGNATURE	PRINTED NAME	RANK	APPOINTMENT	PHONE EXT
M Cretton	M CRETTON	FLG OFF	IR-2	2408

22 AUG 1973

580/1/1 Pt26 (4a)

Mr Terrell,
Cnr. Laurabada Avenue/Angau Drive,
Boroko,
PORT MORESBY PNG

Dear Sir,

With reference to your report of an unusual aerial sighting on 14th July 1973, the opinion of the investigating team is that the most probable cause was the sighting of three stars which had apparent movement due to unusual atmospheric refraction.

On the evening of 14th July at 7.15 PM, the stars Antares, Shaula, and Kaus Australis would have been visible in the south eastern sky at elevations of 50°, 45° and 38° respectively. Antares was the brightest with a magnitude of 1.2. Jupiter would have been just visible above the horizon in the same direction and the moon was just rising a little further north. Varying density layers of the lower atmosphere often cause refraction of the light emitted from stars, and thus abnormal apparent movement of those stars mentioned could be evident. The variations of density change rapidly due to temperature and this is thought to be the reason that the three stars ceased their apparent movement and remained stationary in the triangular configuration.

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

Yours faithfully,

G. J. Odgers

(G.J. ODGERS)
Director of Public Relations

Gplap
DAFI
21 Aug 73

NoA
Dep by DPR
22.8.73

PAPUA NEW GUINEA DEFENCE FORCE

DEPT. OF AIR 580/1/1 DAFI 17.7.73

Telephone 56166
Quote in Reply 109-D1-11(46)

Headquarters
Papua New Guinea Defence Force
Murray Barracks Free Bag
BOROKO PNG

30 July 73

DAFI

Department of Air,
Russell Offices
CANBERRA ACT 2601

For Information:

Department of Defence CANBERRA

Headquarters Operational Command RAAF PENRITH

REPORTS OF UNUSUAL SIGHTINGS

Reference: A. Your 580/1/1 Pt 26 (3a) of 19 Jul 73.

1. Enclosed is a copy of our 109-D1-11 of 18 July 1973 to Operational Command only. The sightings reported from the TERRELL family is attached (Depair Only).

2. Future reports will be sent in accordance with Operational Command Air Staff Instruction 3/A/5.

3. Part one of your revised questionaire has been forwarded to the District Commissioner at KIMBE.

(B.P. DOYLE)
Major
for Commander

Enclosure: 109-D1-11 dated 18 Jul 73.
Sighting Report (Depair Only)

RECEIVED 6 AUG 1973 DAFI

42

109-D1-11

8 Jul 73

Headquarters Operational Command
RAAF Penrith.

REPORT - UNIDENTIFIED FLYING OBJECT
PORT MORESBY AREA

Reference: A. Our Int 010926 dated 1703452 Jul 73.

1. Enclosed is a proforma of interview with Mr. TERRELL and family who reported an unusual sighting from their home in BOROKO, a suburb of Port Moresby. Part II, the unit evaluation is also enclosed.

2. There have been several sightings in PNG over the past three weeks. However, because of the distances involved and the remoteness of some of the areas, e.g. KIMBE, it would be difficult to interview all observers.

3. A press cutting from the Port Moresby Post Courier exaggerates the recent sightings and is in error in some instances. The sighting mentioned in RABAUL was identified as a radiosonde.

4. A planet diagram and a schedule of satellites and their flight paths could possibly enable this Headquarters to resolve some sightings without further investigation. If such information is available, could a copy of this be forwarded to HQ PNGDF on a regular basis.

(B. P. BOYLE)
Major
for Commander

RESTRICTED

REPORT ON UNUSUAL AERIAL SIGHTING

PART ONE - REPORT BY OBSERVER

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

1. Name of observer MR. TERRELL & FAMILY { MR TERRELL, MRS TERRELL, DAUGHTER } SEX ..... Age ..... mid 60's

2. Address of observer CNR LAURABADA AVE & ANGAU DRIVE

BOROKO PNG ..... Phone 57836

3. Occupation of observer PUBLIC SERVANT WITH SOCIAL DEVELOPMENT & HOME AFFAIRS

4. Date and time of start of observation SAT 14 JUL 73 about 1915K

5. How certain is the date Very accurate

How accurate is the time of start within 10 minutes

5. Duration of observation about 20 minute

How accurate is your estimate within 10 minute

6. Observers location at time of sighting back yard of their home address as above

7. Weather conditions at time of observation very clear

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

9. Where was the object first observed:

a. Relative to your surroundings SEE MAP ATTACHED

b. Angle of elevation 45°

c. Compass angle bearing ~~[illegible]~~ 135° → 090°

d. How arrurate are these estimates +ve - 20°

10. What first attracted observer's attention Casual observation

RESTRICTED

11. If there was more than one light/object:

a. How many were there .....3.....

b. In what formation were they ..Independent then triangular

12. What was the brightness (Compared with full moon or common light source at a stated distance, eg, ordinary street light at 100 metres)

One brighter than a star others bright as stars.

13. What was the colour of the light or object ...white.....

14. What was the apparent size at nearest approach:

a. Relative to Venus .....—.....

b. Relative dimensions in inches at arms length (about 20 inches from the eyes) .....—.....

15. What were the bearing and elevation angles at nearest approach and how were these values assessed. Object moved across the horizon from 135 to 090 elev. 45°

16. Was any method of propulsion obvious ....No.....

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)

...remained at about 45°.....

19. What was the maximum and minimum angular velocity (or speed, if an estimate can be justified)

.....

20. Give duration of any stationary phases ....at least 15 minutes

21. Describe any deviations or manoeuvres One object traversed 45° at an elevation of 45° Stopped and flashed brighter. Joined shortly after by 2+3 along same path.

22. Describe any trail or exhaust, vapour or light seen .....

..Only a white light similar to a star.....

23. Where was the object last observed:

a. Relative to your surroundings ...Eastern Sky.....

b. Angle of elevation ..45°.....

c. Compass angle bearing ...about 090°

RESTRICTED

24. What was the manner of its disappearance unknown was still visible when family went inside to meet guests

25. Do you know of any associated physical evidence eg. fragments, photographs, scorching, ground indentations, residual magnetism or radio activity, etc.

.....no.....

.....

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

Angles checked against tall trees by elementary geometry.

27. How many witnesses to the sighting ~~[illegible]~~ 6 (two natives unable to describe)

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

.....No.....

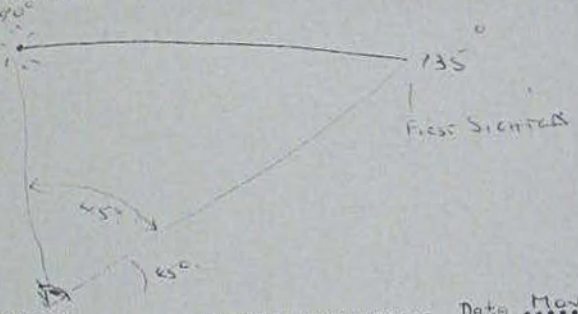
29. What natural phenomenon (phenomena) would be nearest to explaining your observation

.....none.....

30. What are your main reasons for excluding this explanation

.....

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



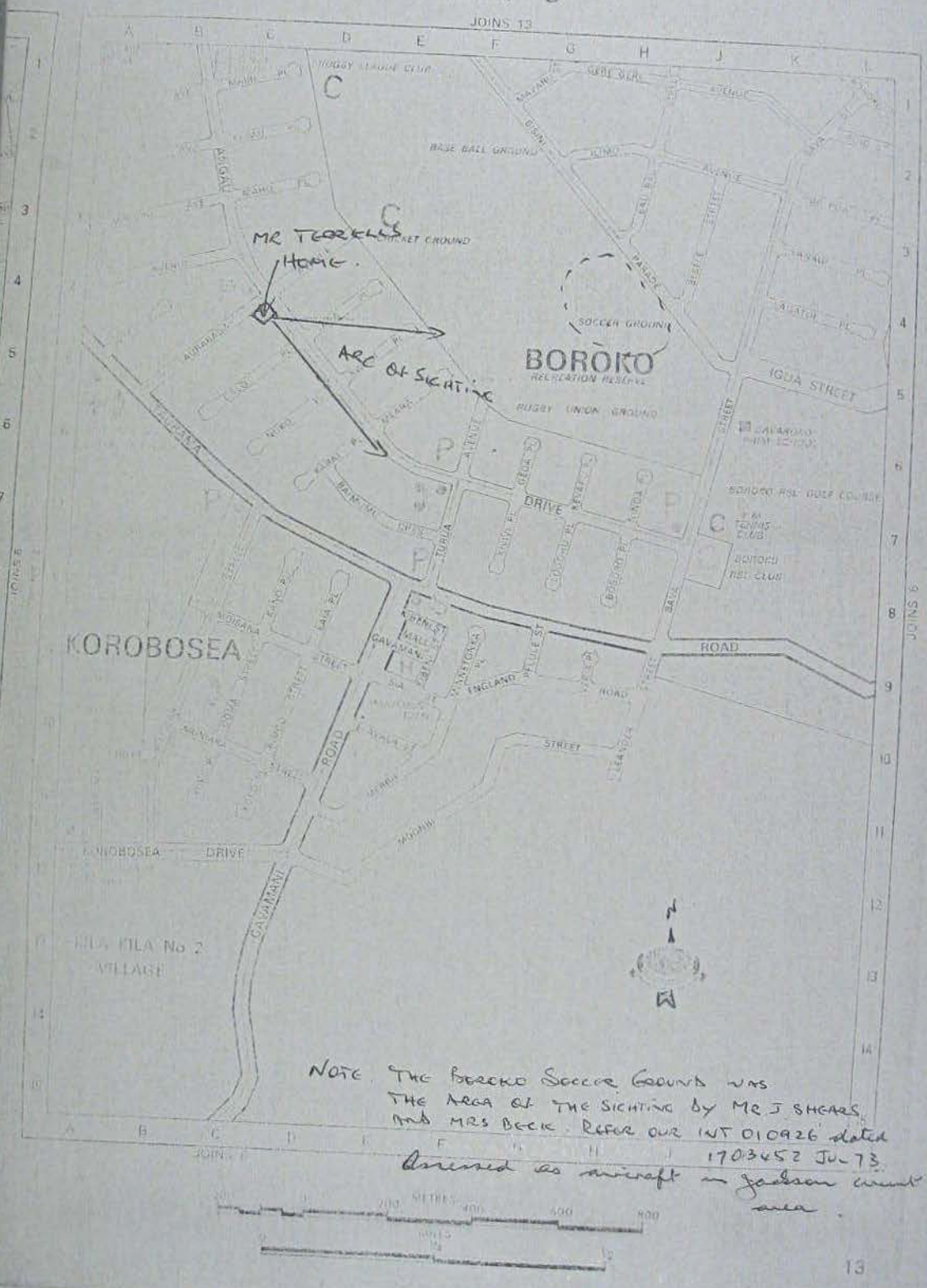
...IGHTEST OBJECT
...OPPED AT 090°
...D FLASHED UNTIL
...NED BE TWO OTHER
...JECTS THREE TOOK UP
...Ardor formation
...d remained in
...at position.

Signature of Observer ..... Date Mon 16 July 73

...e still in that position
...en family moved inside
...meet guests arriving.

RESTRICTED

MAP 5



NOTE THE BOROKO SOCCER GROUND WAS THE AREA OF THE SIGHTING BY MR J SHEARS AND MRS BECK. REFER OUR INT 010926 dated 170362 JUL 73.
Assumed as aircraft in Jackson circuit area.

THIS PAGE IS REPRODUCED FROM A BADLY FADED OR ILLEGIBLE SOURCE.
SCANNING THIS ITEM AT A HIGHER RESOLUTION WILL NOT IMPROVE ITS LEGIBILTY.

P'Moresby Post Courier 16 Jul 73

UFOs sighted in Moresby, Kimbe and Rabaul

Ten people sighted unidentified flying objects in the Port Moresby sky on Saturday night.

And two other sighting of UFOs were reported — one in Kimbe and one in Rabaul — at the weekend.

First to spot them in Port Moresby was 10-year-old Kerry Terrell, of Baroko. He saw the UFOs first between 7 and 7.30 pm.

His mother, Mrs Judith Terrell, said her son called her to the [illegible] window.

"I saw a bright white light — it looked like a brilliant star — move up towards the north-east from the southern horizon, from the beach way," she said.

"It was moving quickly and was about 45 degrees from the horizon at its highest point.

"I went inside and told my husband who said it must be a satellite.

"I was inclined to believe him may I saw a second light shooting across.

"The first one started flashing very brightly and the second one came [illegible] and seemed to hover momentarily."

Mrs Terrell said the flashing UFO was "very much brighter than a star".

She said it was watched by about 10 people, including herself, her husband, their 14-year-old daughter, Kelly, Kerry, and their domestic servant and [illegible] son.

"Some people said they saw four objects. She said "But we're generally agreed that it was two of them."

"I weighed them for five to 10 minutes and my children watched them longer.

"I don't think they were weather balloons — perhaps they were part of the skylab project."

A Defence Force spokesman said he could think of no explanation for the sighting.

"We are investigating," he said.

A Civil Defence spokesman said he was awaiting further information about UFO sightings.

● Are UFOs for real — Page 10.

RESTRICTED

PART TWO - UNIT EVALUATION

32. The following military aircraft were in the vicinity of the reported UFO position at the time: Last aircraft landed PM 1800Z this refers to all aircraft both civil & military

Aircraft type	1.....	2.....	3.....
Heading	.....T	.....T	.....T
Height	.....000ft	.....000ft	.....000ft
Speed	..... K	.....K	.....K
ATD/ATA Area	..... hrs	..... hrs	.....hrs

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

Aircraft type	1	2	3 .....
Heading	..... T	.....T	..... T
Height	.....000ft	.....000ft	.....000ft
Speed	..... K	..... K	..... K
ATD/ATA Area	..... hrs	..... hrs	..... hrs

34. Observer's location: Latitude 0927 S..... Longitude 1871 0 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

Venus & Mercury close together in western sky. Moon just ri[illegible] be about [illegible]

36. A meteoroligical balloon was released from Moresby balloon not released till 2100 K each evening.
at .....Z Colour ..... Weight .....gms

Radio-sonde/radar ; Candle/battery (delete that which not applicable)

General wind profile .....

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

Was it known to have burst .....

37. Any remarks on satellites, rockest, research balloons, comets, meteorites etc. relevant to the sighting Skylab has been observed at this time on other evenings usually tracks across horizon to north of PM.

RESTRICTED

38. The first significant temperature inversion was .....degrees at ..... feet, measured at ..... Z from ..... station.

39 When an aircraft is a possible identification, include radar 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 Stars apparently moving when sighted through ground haze as some phenomena of moonrise

Unit HQ PNG DF

Date 16 Jul 73

Name R. K. MARSHALL

Rank Fwd Lt

Appointment SO3 (INT)

ROYAL AUSTRALIAN AIR FORCE

DEPT. OF AIR
580/1/1 DAFI
17.7.73

TELEPHONE: PENRITH [redacted] 311,311

TELEGRAPHIC ADDRESS:
"AIRCOMMAND, SYDNEY"

IN REPLY QUOTE 5/15/1/Air (11)

HEADQUARTERS OPERATIONAL COMMAND
RAAF
[redacted]
PENRITH NSW 2750

30th July 1973.

Secretary Department of Air (Attention : DAFI)

REPORT - UNIDENTIFIED FLYING OBJECT
PORT MORESBY AREA

Reference: A. Your 580/1/1/Pt26 (3A) of 19th July 1973.

Herewith is a report of an unidentified flying object received from Headquarters, Papua New Guinea Defence Force. It would appear that the report was requested by your department (reference A) but was inadvertently forwarded to this headquarters.

(K.D. CLARK)
Squadron Leader
for Air Officer Commanding

Encl: UFO Report

RECEIVED
- 2 AUG 1973
DAFI

RESTRICTED

REPORT ON UNUSUAL AERIAL SIGHTING

PART ONE - REPORT BY OBSERVER

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

1. Name of observer MR. TERRELL & FAMILY { MR TERRELL, MRS TERRELL, DAUGHTER, SON } mid 40's 14 10 Age.....

2. Address of observer CNR LAURABADA AVE & ANGAU DRIVE

BOROKO PNG Phone 57836

3. Occupation of observer PUBLIC SERVANT WITH SOCIAL DEVELOPMENT & HOME AFFAIRS

4. Date and time of start of observation SAT 14 JUL 73 about 1915K

5. How certain is the date Very accurate

How accurate is the time of start within 10 minutes

5. Duration of observation about 20 minutes

How accurate is your estimate within 10 minute

6. Observers location at time of sighting back yard of their home address as above

7. Weather conditions at time of observation very clear

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

9. Where was the object first observed:

a. Relative to your surroundings SEE MAP ATTACHED

b. Angle of elevation 45°

c. Compass angle bearing ~~[illegible]~~ 135° → 090°

d. How arrurate are these estimates +or − 20°

10. What first attracted observer's attention Casual observation

RESTRICTED

RESTRICTED

11. If there was more than one light/object:

a. How many were there .....3.....

b. In what formation were they ...Independent then triangular

12. What was the brightness (Compared with full moon or common light source at a stated distance, eg, ordinary street light at 100 metres)

One brighter than a star other lights as stars.

13. What was the colour of the light or object ...white.....

14. What was the apparent size at nearest approach:

a. Relative to Venus .....

b. Relative dimensions in inches at arms length (about 20 inches from the eyes) .....

15. What were the bearing and elevation angles at nearest approach and how were these values assessed. Object moved across the horizon from 135 to 090 elev. <5°.

16. Was any method of propulsion obvious .....No.....

17. Describe any sound heard, including changes in pitch and intensity

.....N.I.....

18. What was the maximum and minimum angle of elevation(or height, if an estimate can be justified)

...remained at about <5°.....

19. What was the maximum and minimum angular velocity (or speed, if an estimate can be justified)

.....

20. Give duration of any stationary phases ....at least 15 minutes

21. Describe any deviations or manoeuvres One object transited <5° at an elevation of <5° Stopped and flashed lights. Joined shortly after by 2+3 others and
22. Describe any trail or exhaust, vapour or light seen ..... along same path.

..Only a white light similar to a star.....

23. Where was the object last observed:

a. Relative to your surroundings ...Eastern Sky.....

b. Angle of elevation ...<5°.....

c. Compass angle bearing ...about 090°

RESTRICTED

RESTRICTED

24. What was the manner of its disappearance unknown was still visible when family went inside to meet guests

25. Do you know of any associated physical evidence eg. fragments, photographs, scorching, ground indentations, residual magnetism or radio activity, etc.

no

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

Angles checked against tall trees by elementary geometry.

27. How many witnesses to the sighting ~~[illegible]~~ 6 (two natives unable to describe)

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

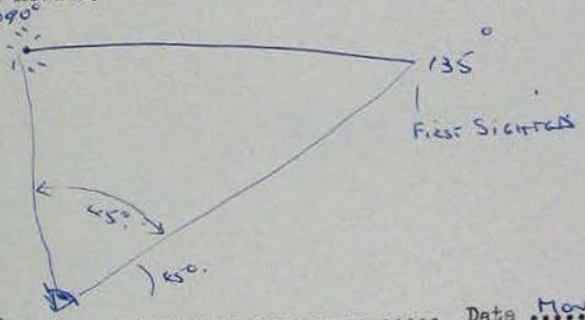
No

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

none

30. What are your main reasons for excluding this explanation

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

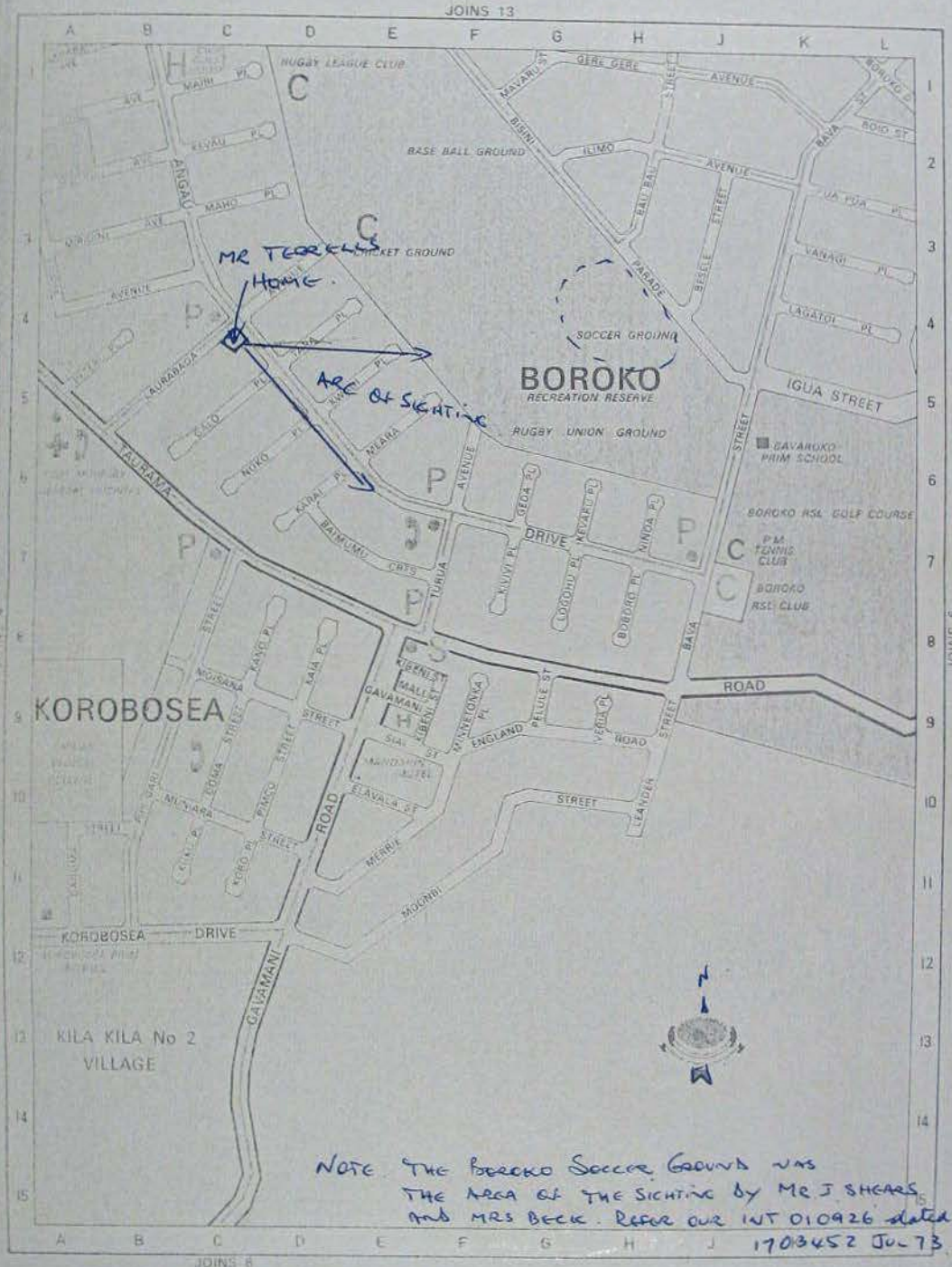


BRIGHTEST OBJECT STOPPED AT 090° AND FLASHED UNTIL JOINED BY TWO OTHER OBJECTS. THREE TOOK UP A Δ'ular formation and remained in that position ~~[illegible]~~ were still in that position when family moved inside to meet guests arriving.

Signature of Observer ..... Date Mon 16 July 73

RESTRICTED

MAP 5



NOTE THE BOROKO SOCCER GROUND WAS THE AREA OF THE SIGHTING BY MR J SHEARS AND MRS BECK. REFER OUR INT 010926 dated 170452 JUL 73.

RESTRICTED

PART TWO - UNIT EVALUATION

32. The following military aircraft were in the vicinity of the reported UFO position at the time: Last aircraft landed PM 1800Z this refers to all aircraft both civil & military

Aircraft type 1..... 2..... 3.....

Heading .....T .....T .....T

Height .....000ft .....000ft 000ft

...ciation" ...one or K... .....K

.....hrs

UFO posn.

.....

..... T

000ft

..... K

... hrs

.....

re in that only

Moon Just Rising or about to Rise

PM Moresby "Post Courier" 16 JUL 73

UFOs sighted in Moresby, Kimbe and Rabaul

Ten people sighted unidentified flying objects in the Port Moresby sky on Saturday night.

And two other sighting of UFOs were reported — one in Kimbe and one in Rabaul — at the weekend.

First to spot them in Port Moresby was 10-year-old Kerry Terrell, of Boroko. He saw the UFOs first between 7 and 7.30 pm.

His mother, Mrs Judith Terrell, said her son called her to the back door.

"I saw a bright white light — it looked like a brilliant star — move up towards the north-east from the southern horizon, from Ela Beach way," she said.

"It was moving quickly and was about 45 degrees from the horizon at its highest point.

"I went inside and told my husband who said it must be a satellite.

"I was inclined to believe him until I saw a second light shifting across.

"The first one started flashing, very brightly, and the second one came across and seemed to hover underneath it."

Mrs Terrell said the flashing UFO was "very much brighter than a star".

She said it was watched by about 10 people, including herself, her husband, their 14-year-old daughter, Holly, Kerry, and their domestic servant and his sons.

"Some people said they saw four objects," she said. "But we're generally agreed that it was two or three.

"I watched them for five to 10 minutes and my children watched them longer.

"I don't think they were weather balloons — perhaps they were part of the Skylab project."

A Defence Force spokesman said he could think of no explanation for the sighting.

"We are investigating," he said.

A Civil Defence spokesman said he was awaiting further information about UFO sightings.

● Are UFOs for real — Page 10.

36. A meteoroligical balloon was released from Moresby balloon not released till 2100K each evening.

at .....Z Colour ..... Weight .....gms

Radio-sonde/radar ; Candle/battery (delete that which not applicable)

General wind profile .....

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

Was it known to have burst .....

37. Any remarks on satellites, rockest, research balloons, comets, meteorites etc. relevant to the sighting Skylab has been observed at this time on other evenings usually tracks across horizon to north of PM.

RESTRICTED

RESTRICTED

PART TWO - UNIT EVALUATION

The following military aircraft were in the vicinity of the reported UFO position at the time: Last aircraft landed PM 1800Z this refers to all aircraft both civil & military

Aircraft type	1.....	2.....	3.....
Heading	.....T	.....T	.....T
Height	.....000ft	.....000ft	.....000ft
Speed	..... K	.....K	.....K
ATD/ATA Area	..... hrs	..... hrs	.....hrs

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

Aircraft type	1	2	3 .....
Heading	..... T	.....T	..... T
Height	.....000ft	.....000ft	.....000ft
Speed	..... K	..... K	..... K
ATD/ATA Area	..... hrs	..... hrs	..... hrs

34. Observer's location: Latitude 0927 S Longitude 14710 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

Venus & Mercury close together in western sky Moon just rising or about to rise

36. A meteoroligical balloon was released from Moresby balloon not released till 2100 K each evening.
at .....Z Colour ..... Weight .....gms

Radio-sonde/radar ; Candle/battery (delete that which not applicable)

General wind profile .....

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

Was it known to have burst .....

37. Any remarks on satellites, rockest, research balloons, comets, meteorites etc. relevant to the sighting Skylab has been observed at this time on other evenings usually tracks across horizon to north of PM.

RESTRICTED

38. The first significant temperature inversion was .....degrees at ..... feet, measured at ..... Z from ..... station.

39 When an aircraft is a possible identification, include radar 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 Stars apparently moving when sighted through ground haze. or some phenomena of moonrise.

Unit HQ PNG DF

Date 16 JUL 73

Name R. K. MARSHALL

Rank Fl Lt

Appointment SO3 (INT)

4 JUL 73
SIGHTING #3

BOROKO PNG

J. SHEARS
MRS BECK

500/1/1 Pt26 (3a)

19 JUL 73

Headquarters
Papua New Guinea Defence Force
Murray Barracks Free Bag
BOROKO PNG

For Information:

Department of Defence, Canberra
Headquarters Operational Command

REPORTS OF UNUSUAL AERIAL SIGHTINGS

Reference: A. Your INT 010526 of 170345Z Jul 73

1. The information contained in the reference is insufficient for adequate evaluation of the sightings. Attached is a copy of the report and evaluation form presently in use, and you are requested to have witnesses complete Part I of the proforma. Parts II and III should be completed by a competent officer and the whole form dispatched to the Department of Air as soon as possible.

2. Future reports of unusual aerial sightings should be dealt with in this manner.

(K.R. JANSON)
Group Captain
for Chief of the Air Staff

Attachment: Unusual Aerial Sighting Report Proforma

NNNVV (LRA032) HH RESTRICTED

PP RAYWPP

DE RAYGC 879 1980355 73 JUL 17 6 15

PRIORITY

ZNY RRRRR

P 170345Z JUL 73

FM COMPNGFOR

TO RAYWYY/DEFENCE CANBERRA

RAYWPP/DEPAIR

RAYROP/HQOC

BT

R E S T R I C T E D



UNT010926

REPORTS UNIDENTIFIED FLYING OBJECTS. THIS HQTRS HAS RECEIVED THREE REPORTS OF UFOS SIGHTED ON SATURDAY 14 JUL 73. REPORTS ARE AS FOLLOWS. REPORT ONE. AT 140430Z MR J SHEARS AND A MRS BECK SAW A BRIGHT FLASH AND BLUE SMOKE TO THE WEST OF THE BOROKO SOCCER GROUND WHERE THEY WERE WATCHING A MATCH. THEY THEN OBSERVED A BRIGHT WHITE LIGHT ASCENDING TOWARDS THE NORTH EAST. IT WAS WITNESSED BY SEVERAL PEOPLE AND PERSISTED FOR ABOUT 20 SECONDS. COMMENT. THIS WAS A POSSIBLE AIRCRAFT APPROACHING JACKSON FIELD. ALL AIRCRAFT APPROACHING JACKSON HAVE BEEN INSTRUCTED TO SWITCH ON THEIR LANDING LIGHTS. THIS IS OFTEN VISIBLE WHILE THE BODY OF THE AIRCRAFT IS NOT. REPORT TWO. AT 140915Z MR TERRELL AND

FAMILY SIGHTED THREE OBJECTS IN THE EASTERN SKY FROM THEIR HOME IN BOROKO PORT MORESBY. ONE OBJECT WHICH WAS BRIGHTER THAN THE OTHERS WAS OBSERVED TO TRACK ACROSS THE SKY FROM SOUTH TO NORTH AT AN ELEVATION OF ABOUT 45 DEGREES. THE OBJECT STOPPED AND COMMENCED FLASHING UNTIL IT WAS JOINED BY TWO OTHER LIGHTS TRAVELLING ALONG THE ORIGINAL FLIGHT PATH WHERE THEY REMAINED IN A TRIANGULAR FORMATION. COMMENT. THEIR IS NO EXPLAINATION FOR THIS SIGHTING. AND A REPORT OF AN INTERVIEW WITH THE TERRELL FAMILY WILL BE FORWARDED TO OPERATIONAL COMMAND HEADQUARTERS THIS DAY. REPORT THREE. AT147030Z THE DISTRICT COMMISSIONER AT KIMBE 0534S 15010E. HE OBSERVED A BRIGHT LIGHT 5 DEGREES ABOVE HORIZON. OBJECT WAS CONICAL GLOWING OBJECT WITH RED LIGHT ON TOP IT WAS

REPORTS UNIDENTIFIED FLYING OBJECTS. THIS HQTRS HAS RECEIVED THREE REPORTS OF UFOS SIGHTED ON SATURDAY 14 JUL 73. REPORTS ARE AS FOLLOWS. REPORT ONE. AT 140430Z MR J SHEARS AND A MRS BECK SAW A BRIGHT FLASH AND BLUE SMOKE TO THE WEST OF THE BOROKO SOCCER GROUND WHERE THEY WERE WATCHING A MATCH. THEY THEN OBSERVED A BRIGHT WHITE LIGHT ASCENDING TOWARDS THE NORTH EAST. IT WAS WITNESSED BY SEVERAL PEOPLE AND PERSISTED FOR ABOUT 20 SECONDS. COMMENT. THIS WAS A POSSIBLE AIRCRAFT APPROACHING JACKSON FIELD. ALL AIRCRAFT APPROACHING JACKSON HAVE BEEN INSTRUCTED TO SWITCH ON THEIR LANDING LIGHTS. THIS IS OFTEN VISIBLE WHILE THE BODY OF THE AIRCRAFT IS NOT. REPORT TWO. AT 140915Z MR TERRELL AND

FAMILY SIGHTED THREE OBJECTS IN THE EASTERN SKY FROM THEIR HOME IN BOROKO PORT MORESBY. ONE OBJECT WHICH WAS BRIGHTER THAN THE OTHERS WAS OBSERVED TO TRACK ACROSS THE SKY FROM SOUTH TO NORTH AT AN ELEVATION OF ABOUT 45 DEGREES. THE OBJECT STOPPED AND COMMENCED FLASHING UNTIL IT WAS JOINED BY TWO OTHER LIGHTS TRAVELLING ALONG THE ORIGINAL FLIGHT PATH WHERE THEY REMAINED IN A TRIANGULAR FORMATION. COMMENT. THEIR IS NO EXPLAINATION FOR THIS SIGHTING. AND A REPORT OF AN INTERVIEW WITH THE TERRELL FAMILY WILL BE FORWARDED TO OPERATIONAL COMMAND HEADQUARTERS THIS DAY. REPORT THREE. AT147030Z THE DISTRICT COMMISSIONER AT KIMBE 0534S 15010E. HE OBSERVED A BRIGHT LIGHT 5 DEGREES ABOVE HORIZON. OBJECT WAS CONICAL GLOWING OBJECT WITH RED LIGHT ON TOP IT WAS REPORTED TO HAVE HOVERED ABOVE KIMBE FOR 30 MINUTES THEN MOVED NORTH. COMMENT. NO KNOWN AIRCRAFT FLYING IN THE FIR AT THAT TIME NOT INVESTIGATED

BT

AC

THIS MESSAGE IS CLASSIFIED. YOUR REPLY OR REFERENCE MUST BEAR A MINIMUM CLASSIFICATION OF RESTRICTED.

RECEIVED

NNNN

23 JUN 73

SIGHTING # 2

MAREEBA QLD

P BUNNEY

...al Australian Air Force
...73 – MEMORANDUM
May 72 Stock No 7530-66-052-8064

FROM	FILE	DATE	REFERENCES
DEPAIR	580/1/1 P. 26 (2b)	24 JUL 73	HQTVL 5/40/AIR (61) OF 10 JUL 73

TO	ATTENTION
HQTVL	F10

SUBJECT
REPORTS OF UNUSUAL AERIAL SIGHTINGS

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

ENCLOSURE: Copy of letter to Mr P Bunney

SIGNATURE	NAME	RANK	APPOINTMENT	PHONE NO
M Gretton	M GRETTON	FLG OFF	IR 2	2403

26 JUL 1973

580/1/1 Pt26 (2a)

Mr P. Bunney,
175 Byrnes Street,
MAREEBA QLD 4880

Dear Sir,

With reference to your report of an unusual aerial sighting on 23rd June 1973, it has been determined that the object sighted was most probably the planet JUPITER.

Astronomical charts show that at 9.30 PM on 23rd June, JUPITER was visible with a magnitude of -2 at an elevation of 15° and an azimuth of 74°. This position, and the gradual movement of the planet towards the north, coincides with your report of the sighting. Additionally, under certain atmospheric conditions, discolouration of light reflected from planets is not uncommon.

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

Yours faithfully,

G. J. Odgers

(G.J. ODGERS)
Director of Public Relations

Gplan
DAH
19 Jul 73

NOA
Resp by DPR
20.7.73

ROYAL AUSTRALIAN AIR FORCE

TELEPHONE: 795666

Headquarters
RAAF Base
TOWNSVILLE QLD 4810

IN REPLY QUOTE 5/40/Air(61)

10th July 1973

Department of Air (Attn DAFI)

For Information

Headquarters Operational Command (Attn CCIO)

UNUSUAL AERIAL SIGHTING

1. The following aspects were investigated and considered by the Formation Counter Intelligence Officer (FCIO) in his attempt to find a satisfactory explanation for the sighting referred to in enclosure 1:

a. Aircraft. The only known civil aircraft movement is fully reported in para 33 of enclosure 1;

b. Visible Satellites. None of the twelve highly luminous satellites listed by Weapon Research Establishment can be related to the sighting;

c. Meteorological Balloons and Conditions. Enclosure 2 outlines the relevant information on weather balloons and weather conditions as provided by the Bureau of Meteorology;

d. Celestial Bodies. Paragraph 35 of Enclosure 1 lists the position of Jupiter during the sighting period, and it is the only planet relevant to the investigation.

2. After considering all the information collected, this headquarters is unable to determine with any certainty the reason behind the sighting but considers that a balloon or planet could be a probable reason notwithstanding certain inconsistencies in angles of elevation.

(W.G. CANNIFFE)
Flying Officer
for Officer Commanding

Enclosure: 1 Sighting Report
2 Meteorology Report

RECEIVED
16 JUL 1973
DAFI

58
2

COMMONWEALTH OF AUSTRALIA

BUREAU OF METEOROLOGY
DEPARTMENT OF SCIENCE

TELEPHONE 79.5999

ALL COMMUNICATIONS TO BE ADDRESSED TO THE OFFICER IN CHARGE, METEOROLOGICAL OFFICE.

BOX 1315 P.O.
TOWNSVILLE 4810

IN YOUR REPLY PLEASE QUOTE THIS NUMBER
70/1/2



METEOROLOGICAL OFFICE,
AERODROME,
GARBUTT

2nd July, 1973



The Officer Commanding,
Headquarters,
R.A.A.F. Base,
GARBUTT

ATTENTION: FLYING OFFICER W. G. CANNIFFE

UNUSUAL AERIAL OBJECT SIGHTING REPORT
REF. YOUR 5/40/Air(57) of 25/6/73

A 100 gram meteorological balloon carrying a small reflector and a 1.5 volt electric globe was released from the Cairns Airport at approximately 21.10K on the 23rd June, 1973.

The rate of ascent was in the vicinity of 1000ft. per minute and the direction of travel was as follows:-

0 - 10 minutes	NW	Average Speed	19 knots
10 - 18 minutes	WSW	Average Speed	18 knots
18 - 30 minutes	NW	Average Speed	10 knots

The balloon burst at approximately 30,000ft.

There were temperature inversions reported at 9.30 a.m. on the 23rd as follows:-

TOWNSVILLE 10,500ft to 11,200ft 5.5 °C to 9.5°C
CLONCURRY 9,200ft to 9,500ft 6°C to 9°C
WILLIS ISLAND 10,300ft to 11,000ft 7°C to 8°C

(W. J. WALKER)
OFFICER-IN-CHARGE



C.D.O. 4202

1

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 PAUL BUNNEY Age 20

2. Address of observer 175 BYRNES ST MAREEBA

Phone 929

3. Occupation of observer RADIO ANNOUNCER - TECHNICIAN

4. Date and time of start of observation 23JUN73 2130 hours

How certain is the date? POSITIVE

How accurate is the time of start? ± 2MINS

5. Duration of observation 30 MINUTES

How accurate is your estimate? ± 5MINS

6. Observer's location at time of sighting 4AM RADIO STATION STUD - 10

How familiar is observer with this locality? (5) FIVE WEEKS RESIDENC (OBSERVER HAD TWO WITNESSES

7. Weather conditions at time of observation FINE WITH FEW CLOUDS

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

9. Where was object first observed:

a. Relative to your surroundings EASTERLY DIRECTION

b. angle of elevation APPROX 15°

c. compass angle bearing 090°

d. how accurate are these estimates APPROXIMATE



10. What first attracted observer's attention? RADIO LISTENERS PHONED STATION TO REPORT SIGHTINGS

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? GREENISH COLOUR

13. What was the brightness? (compare with full moon or common light source at a stated distance, eg, ordinary street light at 100 yards)
EQUIVALENT TO 100 WATT GLOBE

14. What was the apparent size at nearest approach:

a. relative to Venus or Moon SLIGHTLY LARGER THAN VENUS

b. relative dimensions in inches at arm's length (about 20 inches from the eyes) ¼"

15. What were the bearing and elevation angles at nearest approach and how were these values assessed? UNABLE TO ANSWER

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)? 45 | 50° - 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 5-10 MPH

20. Give duration of any stationary phases APPROX 20 MINS

21. Describe any deviations or manoeuvres STRAIGHT LINE ONLY

22. Describe any trail of exhaust, vapour or light seen APPEARED TO HAVE BURNING EFFECT

23. Where was object last observed:

a. relative to your surroundings ..HEADING TOWARDS CAIRNS

b. angle of elevation ...50° ABOVE HORIZON.....

c. compass angle bearing ..NOT SURE (APPROX).....

24. What was the manner of its disappearance? BEHIND CLOUD.....

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

GENERAL KNOWLEDGE OF MATHS ONLY.....

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

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

RECEIVED THREE CALLS FROM LISTENERS.....

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

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

DOES NOT EXCLUDE POSSIBILITY.....

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.

REPORT RECEIVED BY O/O

Signature ..... Date .23 JUN 73.....

Part 2 - 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	.....T	.....T	.....T
Height	NIL 000ft	NIL 000ft	NIL 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	C402 .....(1)	.....(2)	.....(3)
Heading	NORMANTON TO CAIRNS .....T	.....T	.....T
Height	9,000 FT 000ft	.....000ft	.....000ft
Speed	160 KTS .....K	.....K	.....K
ATD/ATA*	CS 2153 hrs .....hrs	.....hrs	.....hrs

OVER MAREEBA 2140 HRS

* Give location of nearest ATD or ATA.

34. Observer's Location: Latitude 17:00S .....Longitude 145:35E .....

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 JUPITER: 2130K 15°30' ABOVE HORIZON (AH) 074°T 2140K 17°30' AH 075°T: 2150K 19°14' AH 076°T: 2200K 22°01' (AH) 076°T

36. A meteorological baloon was released from CAIRNS AIRPORT at 2110 KILO colour SILVER/WHITE Weight 100 gm

Radio-sonde **/radar **/Candle **/battery ** (** delete as required)
SMALL REFLECTOR AND 1·5 VOLT ELECTRIC GLOBE

General wind profile 0-10 MINS NW 19KTS; 10-15 MINS NW 15KTS; 15-30 MINS NW 10KTS

Maximum height tracked 30,000 FT .....000ft at 2155 KILO

Was it known to have burst? YES

37. The first significant temperature inversion was of 5·5-9·5 °C at 10500 TO 11200 ft measured at 0930 KILO hrs from TOWNSVILLE .....station.

38. Any remarks on satellites, rockets, research balloons, comets, meteorites etc. relevant to the sighting NONE FROM PREDICTION CENTRE RELATE

39. When an aircraft is a possible identification, include radar trace if available, and ascertain which of the aircraft lights were operating ONLY A/C HEADING TO CAIRNS WAS SEEN WHICH WOULD ALSO NOT RELATE TO AIRCRAFT LIGHTS

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 BALLOON OR PLANET

HQTVL ..... Unit W G CANNIFFE ..... (name)

9JUL73 ..... Date FLYING OFFICER ..... (rank)

13 JUN 73

D. 2030

SIGHTING # 1

TERANG ANNE FRASER
VIC

Royal Australian Air Force
A273 – MEMORANDUM
May 72 Stock No. 7530-66-052-8064

FROM	FILE	DATE	REFERENCES
DEPAIR	S80/1/1 PT26 (13)	25 JUL 78	HQSC 5/6/1 AIR(29) 11 JUL 78

TO: HQSC
ATTENTION: CINTELLO
SUBJECT: REPORTS OF UNUSUAL AERIAL SIGHTINGS

Enclosed for your records is a copy of a letter from this Department to Mrs A Fraser in reply to her report of an unusual aerial sighting.

Enclosure: Copy of letter to Mrs A. Fraser.

SIGNATURE	NAME	RANK	APPOINTMENT	PHONE NO
	R. EGLE	SQNLDR	DAFIND	2408

MEMORANDUM

RAAF FORM A273 MAR 63

For use within the RAAF only
Write or print clearly

OUR FILE 5/6/1/Air (29)

FROM HQSC

DATE 11 JUL 73

TO

ATTENTION

REFERENCES

580/1/1 Pt26 (1A)

20 JUL 1973

Mrs A. Fraser,
18 Hampden Street,
TERANG VIC 3264

Dear Mrs Fraser,

With reference to your report of an unusual aerial sighting on 13th June 1973, and subsequent telephone conversation with Squadron Leader Egle, the opinion of the investigating team is that the most probable cause was a sighting of a phenomenon called 'Kugelblitz' or Ball Lightning.

Various theoretical explanations were examined during the course of investigation of your intriguing report and these covered civil and RAAF airmovements, rail movements, satellite activity, marsh gas combustion and natural electrical phenomena. Of these, only the marsh gas and electrical phenomena appeared logical, but the marsh gas theory was eventually discarded because of the distances and movement involved in the sighting.

To explain the 'Kugelblitz' phenomenon, the following detail has been extracted from 'The Report on the Scientific Study of Unidentified Flying Objects' carried out in the U.S.A. by Dr. Edward Condon, for the United States 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) (a) is first seen in midair, descending from a cloud, or (b) 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 and about 30% of observers detect internal motions or rotation of the ball itself, although this may depend on the distance from the ball of the observer. Reports indicate guidance of the ball from telephone or power lines and by grounded objects.

/By referring

NOA
Dep by DPR
20.7.73

By referring to the attached map, explanation of our theory is that the ball originated on the high tension lines in the vicinity of 3 miles north of Cobden, then travelled along these lines in a north westerly direction to Ewen Hill. At this point we think it remained stationary but initially increased in intensity thus giving the impression of moving toward your viewing position. It then began to fade, giving the impression of reversing, and eventually extinguished. The assumed high relative humidity of the surface atmosphere after the fog may have some bearing on the formation of the phenomenon, but as so little scientific knowledge is available to adequately explain the manifestation, this is purely conjecture at this stage.

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

Gplan
DAA
20 Jul 73

...AERIAL SIGHTING.

1. Attached is an unusual aerial sighting report from Mrs. A. FRASER of TERANG.

2. Due to the lack of background information for 13th June (weather, satellite predictions) a possible cause has not been given.

3. If a personal interview and on-site investigation is considered desirable, could DEPAIR approve travel. A telephone interview is considered impracticable.



SIGNATURE	PRINTED NAME	RANK AND APPOINTMENT	PHONE EXTN
Gibbs	R.O.GIBBS	Flg Off INT 1	7410

C.D.O. 9777

...rt of Civil Aviation.
...lbourne.

18 Hampd...
TERANG ...264
15.6.73

FOLIO 11
RCD 19 JUN 1973
FILE 136-21

Dear Sirs,

On Wednesday June 13th, 1973, two companions were returning to Terang with me after a Guiders conference at Cobden.

At about 11.30 pm we saw a peculiar light travelling across the sky in front of the car. We notified police next day and were told to contact DCA.

We did not contact the press, but did get in touch, on the advice of a friend, with Cr.Bill Manifold who is interested in the Vic.UFO Society.

Enclosed is a copy of description of what we saw.

No doubt there is probably a perfectly logical scientific explanation, far beyond our simple comprehension.

However, we hereby fulfil our " citizens' duty " by notifying your department herewith.

Yours faithfully,

Anne L Fraser

Anne.L.Fraser (Mrs.)

Joyce Frankel(Miss.)

Mary Sinclair (Mrs.)

Wx obs unrelevant carried out @ 3pm.

Three of us, all Guiders from Terang, were returning from a meeting at Cobden.
We left the hall there at 10.30 pm on Wednesday, June 13 th 1973.
On the way home to Terang we decided to drive down thru the bush to get a fresh rabbit for the captive sick owl at home.

We were coming back from the Garvoc area and turned off the Ayrford Rd at the bridge to come along a lane which leads from the Ayrford Bridgeto the Dixie Road.
We were on this gravel road, travelling approx NE and at a point near where old Jim O'Leary had his out paddock. There is a windmill and shed on the N side of the road.
I was driving and shortly before had looked at my watch. It was 11.25 pm at that stage. We were surprised as it hadn't seemed an hour since we left Cobden.

As we reached this area I saw a white movement in the sky some way ahead, moving apparently from SE to NW.

I thought it was the white under belly of an owl as I have often seen them in flight at night. But the dull whiteness became more like a light. This puzzled me. I decided it must be an aircraft (tho there are few night flights in this district that I know of.)
I then thought it may be the headlights of our car on PMG or SEC wires; sort of "running along" the wires as I have seen on other occasions.
I said to my companions, Joyce and Mary "Can you see a light ?"
They both replied ..Joyce first...(she was in front seat), that they could.
We discussed the possibility of a plane, helicopter etc. I decided to stop the car and watch it.

It was growing brighter so we put our lights out and stood in front of the car, hoping to hear any noise of a motor.
As we stood there, it suddenlt ceased its SE to NW travel and appeared to come TOWARD us in a SW direction. As it came closer it was amber yellow in color and gave the impression of great heat,

(I had the strangest feeling " if that thing comes any closer I'll have to put up my hands and shield my face.)

Joyce was most alarmed and cried out, "It's coming down..start the car...let's get out of here."

Mary and I must have been mesmerised, we just stood watching.

Suddenly, almost as if it "saw" us, the light appeared to "reverse". It did not turn. It seemed to back off, growing smaller and fainter as it dxx disappeared into the NE in a line I would estimate as being between Cobden and Camperdown.

Only when it was completely out of sight did we resume our journey home, at 11.40pm.

After dropping Mary at her home, we told my husband and daughter. They decided to join us and the four of us re visited the spot to try and find a logical reason for such a light. It was 1.45 a.m. when we finally wrote a note and put it under the door at the police station.

Police called on me next day and advised me to contact DCA.

Meanwhile I had explained it all to Meredith and Jean, then I heard from Mr Manifold.

We did NOT contact the pressa at any time, as I believed "UFO hysteria " could result, and there was no benefit to be gained by so doing.

The light reminded me of the headlamp o f a train...the way a train's light grows brighter and more intnse as it draws nearer.

But it seemed to be very large. We feel, when it was closest, it was about as round as the moon was on that night.

I was born in the city and spent my youth within a mile of Essendn airport; my brothers are aircraft engineers, and when one was in RAAF i visited Laverton and saw and learned a great deal about aircraft. I stay with my brother near Tullamarine regularly and have never seen aircraft lights like this light.

I have never in my life seen such a thing before, and expect I never shall again. I was not afraid, but more fascinated and extremely curious. I have read and heard of such things but never thought I would actually have such an experience myself.

I know nothing of space and its modes of travel, nor astronomy, but I do not believe this was a planet or star. It was not red. There was no sound. There was no "tail" or trail of vapour, nor was there any other light either in the NEARBY sky or on the ground in that area at the time.

There had been a heavy fog which had lifted at 9.30pm. At the time of the sighting it was a clear, still, calm night ; so clear in fact we drove without headlights the remaining 1.2 mile to the Dixie Road. The moon and stars were high in the sky and a few clouds were present on horizon.

I returned to the spot today, Friday 15th, with a compass to check out our estimated directions and exact mileage from Terang.

ASA Piaggio Portland - Essen
2225 GMT

[redacted]

23 JUL 1973

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 ...ANNE FRASER.....Age 34 YEARS..

2. Address of observer. 18 HAMPDEN ST.....
.....TERANG. VIC 3264.....Phone..021020.....

3. Occupation of observer HOME DUTIES/JOURNALIST.....

4. Date and time of start of observation. WED. 13 JUNE 1973 11·30pm
How certain is the date?...POSITIVE (AFTER A GUIDER MEETING)
How accurate is the time of start?. WITHIN 1 OR 2 MINS.....

5. Duration of observation.. 10 MINUTES.....
How accurate is your estimate?..VERY. CHECKED WATCH.....

6. Observer's location at time of sighting..5·2 mile S of Terang,
(1·2m from intersection Cobden-Dive crossroads).....
How familiar is observer with this locality?..VERY FAMILIAR.....

7. Weather conditions at time of observation..CLEAR. CALM. SLIGHT LOW
CLOUD ON HORIZON:..HEAVY FOG HAD LIFTED AT 9:30pm.....

8. Describe any aids/equipment used in the observation....NONE....
..VISUAL ONLY.....

9. Where was object first observed? :
a. Relative to your surroundings..CAR FACING EAST, LIGHT APPEARED
TO RIGHT FRONT OF CAR.....
b. angle of elevation..Approx 12° - 20°.....
c. compass angle bearing....S.E.....
d. how accurate are these estimates?..NOT KNOWN.....

10. What first attracted observer's attention?..MOVING WHITE OBJECT
THOUGHT TO BE A BIRD.....

11. If there was more than one light/object : ONE ONLY
a. how many were there?.....
b. in what formation were they?.....

12. What was the colour of the light or object? AT FIRST, WHITE + PALE, BECOMING
YELLOW AMBER

[redacted]

X 5/6/1/AIR
CINTELLO

13. What was the brightness? (compare with full moon or common light source at a stated distance, eg ordinary street light at 100 yards) AT CLOSEST POINT STREET LIGHT SOYD, MORE AMBER.

14. What was the apparent size at nearest approach?:

a. relative to Venus or Moon. LARGE AS MOON THAT NIGHT.

b. relative dimensions in inches at arm's length (about 20 inches from the eyes) 3"

15. What were the bearing and elevation angles at nearest approach and how were these values assessed? NON-INSTRUMENTAL. GUESSWORK.

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)? No lower than 12° - not higher 20°. (IT did not rise any higher)

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 SPEED OF THE MELB-WOOL PLANE

20. Give duration of any stationary phases APPROX 1 MIN.

21. Describe any deviations or manoeuvres. CEASED ITS SE-NW TRAVEL, CAME W, STOPPED. THEN ABRUPTLY "REVERSED" E AGAIN.

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

23. Where was object last observed :

a. relative to your surroundings OVER TOWARDS EWENS HILL WHICH WOULD BE TO LEFT OF CENTRE OF CAR WINDSCREEN

b. angle of elevation

c. compass angle bearing E.

24. What was the manner of its disappearance? APPEARED TO "BACKOFF", BECOMING SMALLER AND PALER TILL IT WAS GONE.

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

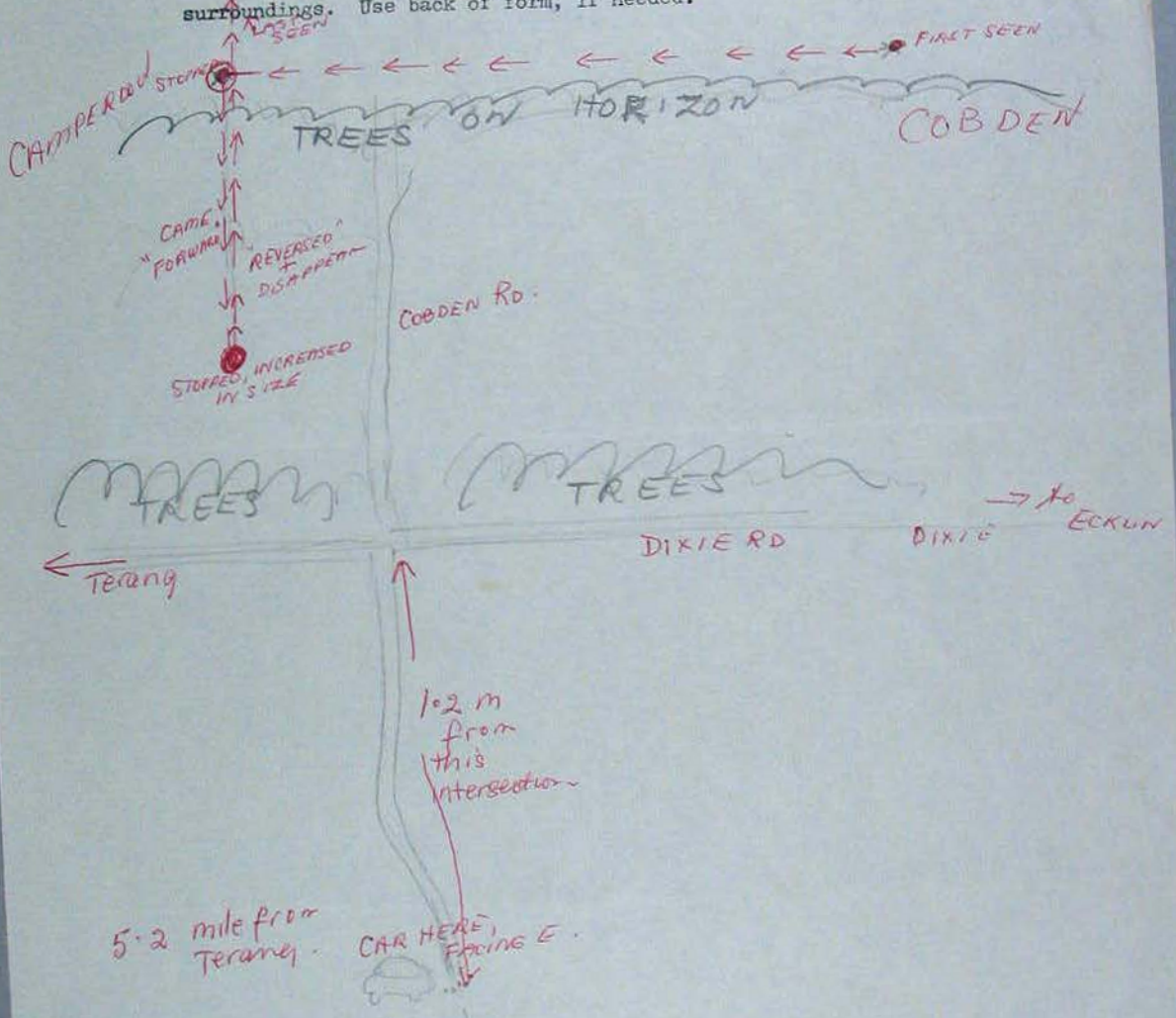
27. How many witness to the sighting? THREE.

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?...FIREBALL, SPACE DEBRIS, MARSH GAS.....

30. What are your main reasons for excluding this explanation?...SUDDEN APPARENT CHANGE OF DIRECTION, & CHANGE IN SIZE.....

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.....

-PTO-

Addendum:

We are regularly de-trailing are in an endeavour to establish any "pattern" & have made at least a dozen visits - at varying times or varying nights over the 3 weeks since sighting.

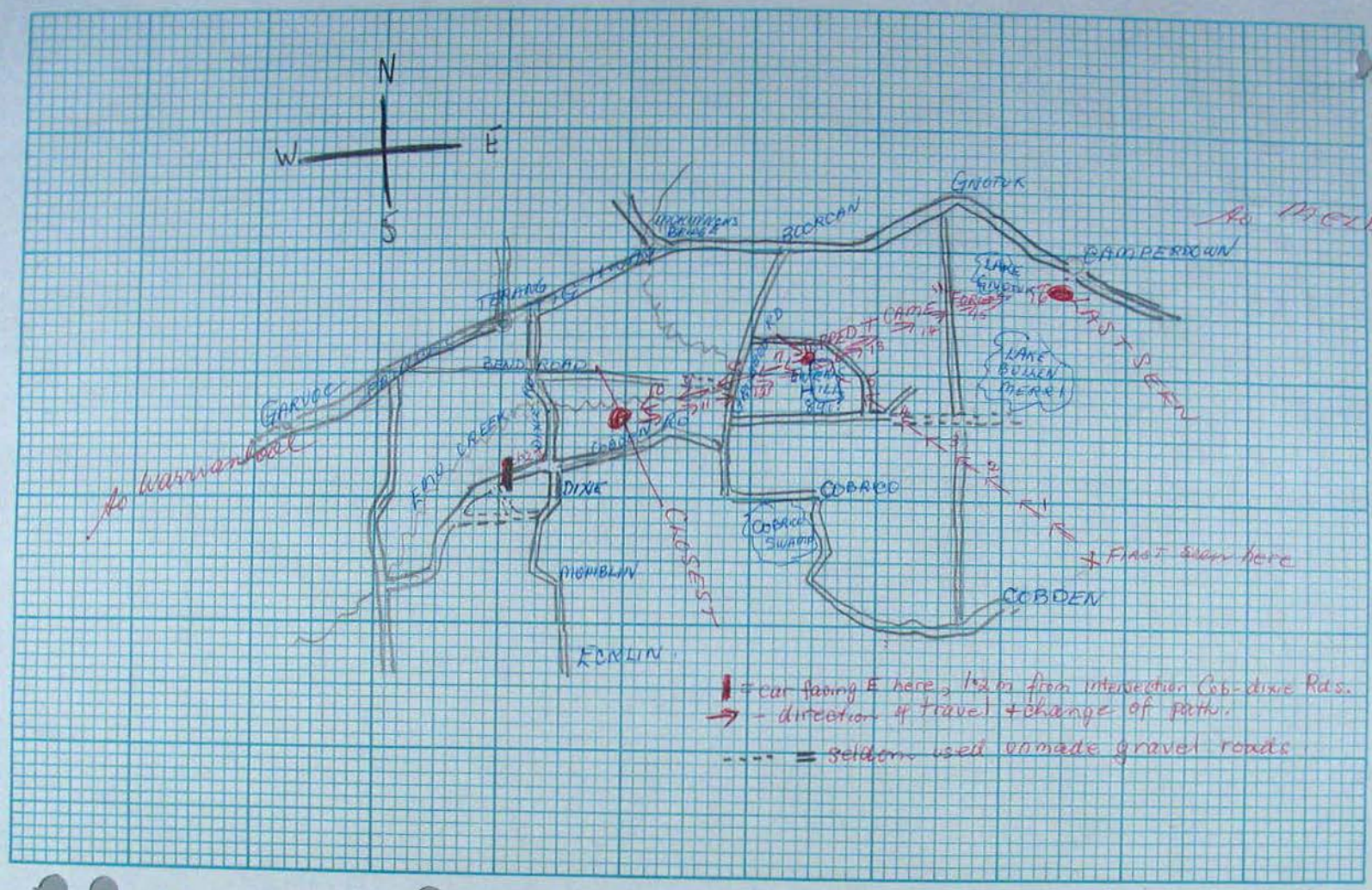
Interesting development last night, exactly same time, but will continue studying this before further description - Suspect may have been satellite, if so, should again be visible at regular intervals?

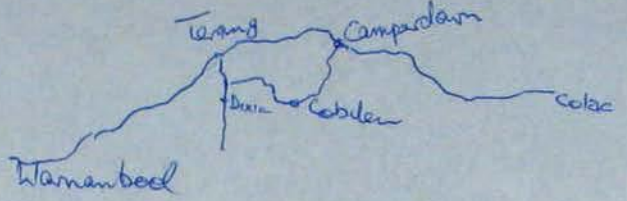
Anne L Fraser

COLAC



DARLINGTON 1 MI
DERRINALLUM 8 MI
58
59
60
61
62
31
30
29
28
27
26
25
Mortlake
Koroit
Terang
Camperdown
Cobden
Timboon
Glenormiston North
Glenormiston
Glenormiston South
Bookar
Lake Colongulac
Kariah
Weerite
Pomborneit
Pomborneit North
Cobrico
Tesbury
Tandarook
Elingamite
Jancourt
Purrumbete South
Corpendeit
Bungador
Glenfyne
Scotts Creek
Cowleys Creek
Simpson
Ecklin South
Ayrford
Bruckhall
Curdie Vale
Carvoo
Taroon
Dixie
Emu Creek
Mount Emu Creek
Mount Koroit
Mount Meningoroot
Mount Kooyong
Mount Pordon
Mount Shadwell
Mount Myrtoon
Mount Koang
Mount Kurweeton
Lake Terang
Lake Bullenmerri
Lake Purrumbete
Lake Weerangamuk
Lake Keilambete
Lake Elingamite
Lake Bookar
Round Lake
Lake Karlah
Lake Koroit
Lake Terang
Lake Tarrago
Stony Point
Woorinyrrite
The Gums
West Warrion Hills
Kort Kort Noog
Newmarket
Melingil
Danedale
Noorat
Boorcan
Ginotuk
Mamba Yallock
Norwood
Tilinda
Bostock Creek
Cobrico
Gobrico Swamp
Dixie
Stalighton Hill
Eddington
Meningoroot
Wywin
Eeyuc
Kolora
Blind Creek
Hanson Plain
Duck Hole Plain
Ross Plain
Cinderclothy Plain
Princes Highway
Terang Mortlake Railway
Camperdown Timboon Railway
Warrnambool
Colac


N
W
E
S
GNOTUK
BOORCAN
CAMPERDOWN
LAKE GNOTUK
LAST SEEN
LAKE BULLEN MERRI
TERANG
BEND ROAD
GARVOC
EMU CREEK
DIXIE
MOHIBLIN
ECKLIN
CLOSEST
COBRICO
COBRICO SWAMP
COBDEN
FIRST seen here
= car facing E here, 1.2 m from intersection Cob-dixie Rds.
- direction of travel + change of path.
---- = seldom used unmade gravel roads


Terang
Camperdown
Colac
Cobden
Warrnambool

Elements.

10·30 p.m Wed 13 JUN 73

en-route COBDEN - TERANG on gravel road running from Ayrford bridge to Dixie Rd.

White movement ahead apparently moving SE - NW

got out of car, stood in front

~~As we stood there~~, suddenly ceased SE-NW travel & appeared to approach (now apparently travelling SW). Amber light

Then appeared to reverse NE in line between Cobden & Camperdown until out of sight

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.....,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.....Nil.....(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.38:18S Longitude.142:55E

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.....

at.....Z..Colour.....Weight.....gm

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

General wind profile.....

Maximum height tracked.....00 ft at.....Z

Was it known to have burst?

37. The first significant temperature inversion was of

....at.....ft measured at.....Z hrs from.....

.....station.

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

.....Satellite prediction info not available this office

/39. When am

Met Melbourne advise only wx for area would be 1500k readings which in their opinion would not be worth considering

39. When an aircraft is a possible identification, 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

1. Space debris. Observer may have been given an apparent false sense of direction if the car heading changed between the time of initial sighting and time the car stopped. With no satellite predictions available this opinion cannot be confirmed.

2. If a personal interview and on site investigation is required, could DEPAIR approve travel?

HQSCU — (Unit) — 11 JUL 73 — (Date)

R.O Gibbs — (Name of Investigating Officer) — Flg Off — (Rank)

** Delete as necessary

TITLE

CLASSIFIED

580 / 1

FILE NO

PART NO 26

REFERRED TO	DATE	REFERRED TO	DATE	REFERRED TO	DATE
DAFI	17-7-73				

FILE LOCATION CARD S12 SEP 64

When Complete Use Other Side

REGISTRY CLASSIFICATION PARTICULARS

CLASSIFIER

1 *Original/~~Copy~~*

2 ~~*Duplicate Copy made*~~

3 *Date opened* 16 JUL 1979

REGISTRATION

CONFIDENTIAL

1 *Security Classification*

2 *Title*

3 *Registration Number* 580-1-1 PT 26 (new part)

4 *Mark to* DAFI

5 *Cancel File No* _____ *vide this File and inform Movements Section of cancellation and new File No*

6 *Close File No* PT 25

7 *Cross Reference this File with File(s)* PT 1-25

SUBJECT INDEX

Posting | *Precis*

NAME INDEX

1 *Heading* | *Precis*

2 *Alter File No on Logging Card for* _____

Letter dated _____ *Reference No* _____

10187/72—4.

F. D. Atkinson, Government Printer, Canberra

Dec 68

DEPARTMENT OF AIR

FILE No			PART	TITLE
580	1	1	26	REPORTS ON FLYING SAUCERS AND OTHER AERIAL OBJECTS

ARCHIVAL ACTION

REFERRED TO	FOLIO FOR ATTENTION	DATE REFERRED	ACTIONED BY (INITIALS)	REFERRED TO	FOLIO FOR ATTENTION	DATE REFERRED	ACTIONED BY (INITIALS)
~~MOVEMENTS~~	~~FILE~~	~~17.7.73~~					
DAFI	FILE	17.7.73					
DA 73	file	28/10/80					
O/C to Restricted							

FILE No 580 | 1 | 1 | PART 26

TMENT OF DEFENCE

OLD AIR	580	1	1	26

SUBJECT: REPORTS ON FLYING SAUCERS AND OTHER AERIAL OBJECTS

Folio	Referred to	Date Referred	Actioned by (Initls)
	PA 73	28-11-80	
	DAFIS	26/1/82	✓
FILE	PUT AWAY	1/8/84	
	PA 73		

Folio	Referred to	Date Referred	Actioned by (Initls)

UNCLASSIFIED

ARCHIVAL ACTION

FILE No.

OLD AIR	580	1	1