### SUBJECT:

REPORTS ON FLYING SAUCERS AND OTHER AERIAL OBJECTS.

<table>
<thead>
<tr>
<th>Folio</th>
<th>Referred to</th>
<th>Date Referred</th>
<th>Actioned by (Inits)</th>
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<tbody>
<tr>
<td>P.A. 73</td>
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<td>10-884</td>
<td></td>
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<tr>
<td>No</td>
<td>Place/Date</td>
<td>Name</td>
<td>Report/Reply</td>
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<tr>
<td>1</td>
<td>Tering, Vic</td>
<td>Mrs A. Fraser</td>
<td>13 Jun</td>
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<tr>
<td>2</td>
<td>Moree, Qld</td>
<td>P. Bonney</td>
<td>16 Jul</td>
</tr>
<tr>
<td>3</td>
<td>Boroko, PNG</td>
<td>J. Shanks</td>
<td>17 Jul</td>
</tr>
<tr>
<td>4</td>
<td>Boroko, PNG</td>
<td>Mr. Beck</td>
<td>17 Jul</td>
</tr>
<tr>
<td>5</td>
<td>Kimberly, WA</td>
<td>P.</td>
<td>17 Jul</td>
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<td>6</td>
<td>Amberley, Qld</td>
<td>K. Gunn</td>
<td>6 Jul</td>
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<td>7</td>
<td>Sunshine, Qld</td>
<td>J. Pilgrim</td>
<td>6 Jul</td>
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<td>8</td>
<td>Kalkulun, Qld</td>
<td>ABC Reporter</td>
<td>8 Jul</td>
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<td>9</td>
<td>Melbourne, Vic</td>
<td>H. S. J. Austin</td>
<td>22 Jul</td>
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<td>10</td>
<td>Adelaide, SA</td>
<td>M. C. Cox</td>
<td>30 Jul</td>
</tr>
<tr>
<td>11</td>
<td>Targa, SA</td>
<td>C. Barnett</td>
<td>24 Jul</td>
</tr>
<tr>
<td>12</td>
<td>K. Han</td>
<td>C. E. Kavarns</td>
<td>25 Jul</td>
</tr>
<tr>
<td>13</td>
<td>NSW/Vic</td>
<td>Various</td>
<td>27 Jul</td>
</tr>
<tr>
<td>14</td>
<td>Williamstow, Vic</td>
<td>Pat, D. Barnett</td>
<td>2 Aug</td>
</tr>
<tr>
<td>15</td>
<td>Cambewarriba, Vic</td>
<td>D. C. Heath</td>
<td>3 Aug</td>
</tr>
<tr>
<td>16</td>
<td>Mordialloc, Vic</td>
<td>Bernard Scowcroft</td>
<td>2 Aug</td>
</tr>
<tr>
<td>17</td>
<td>Mornington, Vic</td>
<td>S. Coughard</td>
<td>2 Aug</td>
</tr>
</tbody>
</table>
Reference: A. DI(AF)AAP 510 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.

7 May 82

(G. A. PERSAE)

C/L/CAFT

BARIUS
1 Jul 78
SIGHTING # 17

MORNINGTON  S. GAGLIARDI
VIC.
MEMO

FROM: AIR (DAFJ)
TO: HOSG
ATTENTION: CINTELNO

SUBJECT: REPORTS OF UNUSUAL AERIAL SIGHTINGS

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

Enclosure: Copy of letter to Mr. S. Cagliaconti.
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
Director of Public Relations
**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.)

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Name of observer</td>
<td>MR. S. BARRON</td>
</tr>
<tr>
<td></td>
<td>Age</td>
<td>41 yrs</td>
</tr>
<tr>
<td>2.</td>
<td>Address of observer</td>
<td>325 MAIN STREET, BRUNSWICK</td>
</tr>
<tr>
<td></td>
<td>Phone</td>
<td>352477</td>
</tr>
<tr>
<td>3.</td>
<td>Occupation of observer</td>
<td>MECHANIC, 33 yrs</td>
</tr>
<tr>
<td>4.</td>
<td>Date and time of start of observation</td>
<td>7/7/73 5:45 A.M.</td>
</tr>
<tr>
<td></td>
<td>How certain is the date?</td>
<td>CERTAIN</td>
</tr>
<tr>
<td></td>
<td>How accurate is the time of start?</td>
<td>WITHIN 5 MINUTES</td>
</tr>
<tr>
<td>5.</td>
<td>Duration of observation</td>
<td>APPROXIMATE 8-3 MINUTES</td>
</tr>
<tr>
<td></td>
<td>How accurate is your estimate?</td>
<td>APPROXIMATE</td>
</tr>
<tr>
<td>6.</td>
<td>Observer's location at time of sighting</td>
<td>STANDING IN FRONT YARD WAY OF HOME</td>
</tr>
<tr>
<td></td>
<td>How familiar is observer with this locality?</td>
<td>LIVED HERE 5 YEARS</td>
</tr>
<tr>
<td>7.</td>
<td>Weather conditions at time of observation</td>
<td>CLOUDY &amp; CLEDR</td>
</tr>
<tr>
<td>8.</td>
<td>Describe any aids/equipment used in the observation</td>
<td>NONE</td>
</tr>
<tr>
<td>9.</td>
<td>Where was object first observed?</td>
<td>SOUTH OF EAST</td>
</tr>
<tr>
<td></td>
<td>a. Relative to your surroundings</td>
<td>MAYBE 150-200 YARDS AWAY</td>
</tr>
<tr>
<td></td>
<td>b. Angle of elevation</td>
<td>JUST ABOVE GROUND</td>
</tr>
<tr>
<td></td>
<td>c. Compass angle bearing</td>
<td></td>
</tr>
<tr>
<td></td>
<td>d. How accurate are these estimates?</td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>If there was more than one light/object</td>
<td>WHITE LIGHT</td>
</tr>
<tr>
<td></td>
<td>a. How many were there?</td>
<td>ONE</td>
</tr>
<tr>
<td></td>
<td>b. In what formation were they?</td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>What was the colour of the light or object</td>
<td>WHITE LIGHT</td>
</tr>
</tbody>
</table>
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 laughter than the street light which appeared to be only a few yards away.

14. What was the apparent size at nearest approach?: From it:
   a. relative to Venus or 'moon. ........................................
   b. relative dimensions in inches at arm's length (about 20 inches from the eye). It appeared to be as big as a car's 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. .................

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? ..................

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. .......... ARRANGE.

27. How many witness to the sighting? .................
26. 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.

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

Signature: ___________________________  Date: ____________

MORNINGTON

MAIN ST.  Tyabb Rd

LIGHT

SHADOW

ILLUSTRATION OF SIGHTING

HOUSE OF SIGHTING

(ESTIMATED)

X HOUSE
Part 2 - Unit Evaluation

32. The following military aircraft were in the vicinity of the reported UFO position at the time:
   A/C type: N1
   Heading: T
   Height: 000 ft
   Speed: K
   ATD/ATA*: hrs

33. The following civil aircraft were in the vicinity of the reported UFO position at the time:
   A/C type: N1
   Heading: T
   Height: 000 ft
   Speed: K
   ATD/ATA*: hrs

34. Observer's Location: Latitude 38° 15' Longitude 145° 06'E

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... at 1400 K... Colour... Weight...
   Radio-sonde* radar**: Candle ** battery **
   General wind profile... calm...
   Maximum height tracked... 00 ft at...
   Was it known to have burst?

37. The first significant temperature inversion was of...
   45° at... ft measured at... hrs from...
   TULLA 8.5 at abt 500 feet.
   ....................................

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

/35. When...
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 cannot be determined.

41. The object reported probably was may have been

1. The reported sound and light may not be associated phenomena. When Mrs. Haggiardi first reported the occurrence, 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 the a Peninsula ambulance was in the area at the time.

3. The only possible light was Jupiter. I feel this is the reported light. I cannot offer no solution for the source of the sound.

40. The listed possible causes of the sighting are:

1. The reported sound and light may not be associated phenomena. When Mrs. Haggiardi first reported the occurrence, 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 the Peninsula ambulance was in the area at the time.

3. The only possible light was Jupiter. I feel this is the reported light. I cannot offer no solution for the source of the sound.

**Delete as necessary**
AVONDALE H. C. T. S  B. SCHEIDERS
Vic
That UFO makes return visit

Melbourne's UFO returned last night — and was "captured" on film.

Bernard Schneider, 12, of Avondale Heights, was taking pictures of the Southern Cross group of stars with two of his friends, Theo, 12, and Cathryn Knop, 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, 'What a UFO,' and I just aimed the camera.

Bernard is in Form One at Avondale Heights High School.

---

* THE night sky over Avondale Heights ... and Bernard Schneider, 12, snaps his first UFO.
580/1/1 Pt26 (16a)

Master B. Schneider, 20 Sovereign Way, AVORDALE 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,

[Signature]

G.J. Odgers
Director of Public Relations
MEMORANDUM

RAAF FORM A273 MAR 63

FROM

HQSC

TO

DEP AIR

ATTENTION

DAFI 1R-2

SUBJECT

UNUSUAL AERIAL SIGHTINGS

1. Attached is an unusual aerial sighting report from Master Bernard Schneiders.

  20 Sovereign Way Avondale Heights Vic 3036.

2. Can the negatives be returned to the observer.

ATTENTION

CAFI - 2

DATE

31 JUL 73

FILE

5/6/1 Air (38)

RANK AND APPOINTMENT

FLG Off Int 1

PHONE EXTN

7410
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

2. Address of observer

3. Occupation of observer

4. Date and time of start of observation

5. Duration of observation

6. Observer's location at time of sighting

7. How familiar is observer with this locality?

8. Weather conditions at time of observation

9. Describe any aids/equipment used in the observation

10. What first attracted observer's attention?

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

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

14. What was the apparent size at nearest approach?
   a. relative to Venus or Moon.
   b. relative dimensions in inches at arm's length (about 20 inches from the eyes).

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

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.

27. How many witness to the sighting?
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: (10 secs) Neg. No. 2: (30 secs)
34. Aperture: - 12 ft - inf. and set for cloudy and dull light conditions
35. Type of film: - Kodak Verichrome Pan
36. Developing details: - ID II developer, 7 minutes, 62° F.
37. Camera was resting on fence post

Signature: Bernard Schneider Date: 11-11-11

Brenda Schneider (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: (1) ............ (2) ............ (3)
Heading: ................ T ........................ T
Height: ................ 000 ft ............. 000 ft ............. 000 ft
Speed: ................ 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
Height: ................ 000 ft ............. 000 ft ............. 000 ft
Speed: ................ K ........................ K
ATD/ATA*: ................ hrs. ................ hrs. ................ hrs

* Give location of nearest ATD or ATA

34. Observer’s Location: Latitude. 37.458S Longitude. 14052E

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 noon approx 100°
duration abt 10°

36. A meteorological balloon was released from ...........
at ............ Z. Colour ................ Weight ................ g

Radio-sondeo** 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 15 Jun 7

/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

1. Mrs. Schneider rang her office on 31 Jul 73. She seemed reluctant to part with the negatives and, naturally, wants them back. Mrs. Schneider is a journalist and her husband a professional photographer who developed the film.

2. The photograph and extract from the Melbourne Sun 25 Jul 73 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 streetlight, a Jupiter...

H&SCU 31 Jul 73
(Unit) (Date)

R. O. Collins 019 CR
(Names of Investigating Officer) (Rank)
3 Jul 73
SIGHTING # 15
CAMBERWELL   D. T. C. ELLIS
Vic
MEMO

FROM: [Redacted] (DAP)

TO: Hose

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.
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. Edgers)
Director of Public Relations
MEMORANDUM

RAAF FORM A272 MAR 61

FROM
H&SC

TO
DEPAIR

ATTENTION
DAF 1R2

SUBJECT
UNUSUAL AERIAL SIGHTING

I enclosed is an unusual aerial sighting report from Mr ELLIS of BOX HILL 31/28.

10. What first attracted observer's attention? (N/A)

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
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 THOMAS CLIFFORD FELLS, age 32

2. Address of observer: 24 PENROSE STREET
   Park Hill, STH, 3/25
   Phone: 2887694

3. Occupation of observer: SYSTEMS ANALYST

4. Date and time of start of observation: 3/17/73 at about 5.55 pm (data 6 pm)
   How certain is the date? Not very, didn't take note of time, I think a Tuesday
   How accurate is the time of start? Wasn't ready from time of initial reporting

5. Duration of observation: 14 mins max
   How accurate is your estimate? Not very, concentrating on traffic

6. Observer's location at time of sighting: Am car driving east along
   Broadside Rd, Hylde, Cumberland
   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/A

9. Where was object first observed?
   a. Relative to your surroundings: In sky, clear of buildings
   b. angle of elevation: Almost 20°
   c. compass angle bearing: Approximately ESE
   d. how accurate are these estimates? Observed through an windshield

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
13. What was the brightness? (compare with full moon or common light source at a stated distance, eg ordinary street light at 100 yards). Intensity of 2/3 during light at 100 yards is these weeks.

14. What was the apparent size at nearest approach?
   a. relative to Venus or Moon. About 2/3, 1/4 moon.
   b. relative dimensions in inches at arm's length (about 20 inches from the eyes). \( \frac{1}{8} \) to \( \frac{3}{4} \) inch

15. What were the bearing and elevation angles at nearest approach and how were these values assessed? Bearing \( \pm 20^\circ \) 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)? Elevation at about 20°

19. What was the maximum and minimum angular velocity (or speed, if an estimate can be justified)? Seemed to change 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? Later visible could have been hidden by wires or 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 aviation) with ATC. Also navigated terrain.

27. How many witness to the sighting? Observed plus !
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 from 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.

[Sketch of object with estimated flight path and notes on movement]

Signature:........................................... Date:...........................................
Part 2 - Unit Evaluation

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

<table>
<thead>
<tr>
<th>A/C type</th>
<th>(1)</th>
<th>(2)</th>
<th>(3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heading</td>
<td>T</td>
<td>T</td>
<td>T</td>
</tr>
<tr>
<td>Height</td>
<td>000 ft</td>
<td>000 ft</td>
<td>000 ft</td>
</tr>
<tr>
<td>Speed</td>
<td>K</td>
<td>K</td>
<td>K</td>
</tr>
<tr>
<td>ATD/ATA</td>
<td>hrs</td>
<td>hrs</td>
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33. The following civil aircraft were in the vicinity of the reported UFO position at the time:

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<th>A/C type</th>
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<td>Speed</td>
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<tr>
<td>ATD/ATA</td>
<td>hrs</td>
<td>hrs</td>
<td>hrs</td>
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<tr>
<td>* Give location of nearest ATD or ATA</td>
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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________. Colour:________. Weight:________. gm

Radio-sonde** radar**: Candle ** battery **

General wind profile:________

Maximam 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 possibly was **/may have been

   **VH TJD** from Launceston to Melbourne, with landing lights on. This was confirmed with RAAF controllers TULLA at time of sighting
   
   ATA TULLA 745

   HQSCU
   (Unit)

   21 JUL 73
   (Date)

   R.O. GIBBS
   (Name of Investigating Officer)

   LG OF
   (Rank)

**Delete as necessary**
17 JUL 73

SIGHTING # 14

WILLIAMSTOWN NSW

FELIX R. CAMERON
Headquarters RAAF Williamtown (Attention: FIO)

REPORT OF UNUSUAL AERIAL SIGHTING

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

1. Investigation by this Department of the unusual aerial sighting reports made by Flt Lt H.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 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
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 Williamstown. Observers were Flt Lt N.G. Cameron CDFA of No 76 Squadron, and Mrs T. Williams of 90 Susan Crescent RAAF Base Williamstown. 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 7 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
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: Lt. N.G. CAMERON
   Age: 34

2. Address of observer: 8, 117, 76, 508, 13, 20, 12
   Phone: E.T. 2408

3. Occupation of observer: PILOT

4. Date and time of start of observation: 17 Jul 73 about 2000
   How certain is the date? RELATIVE
   How accurate is the time of start? WITHIN 10 MIN, EITHER WAY

5. Duration of observation: THREE TIMES ENCIRCLED MINUTES
   How accurate is your estimate? ONE MINUTE, EITHER WAY

6. Observer's location at time of sighting: Map 90, BURTON, SUFFOLK, 6000 ft FROM OCEAN OR SHORE.
   How familiar is the observer with this locality? VERY

7. Weather conditions at time of observation: H.T. TO B. FOG TO FLAT, FLAT.
   AIR CURRENT... 2000-2000 FT. MOVING FROM 1800 TO 0600

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

9. Where was object first observed:
   a. Relative to your surroundings: ABOUT... 20 DEG. NORTH
      OFF THE NORMAL, ANGLE FACING EAST ON SISMAN ISLAND 
      12 AMO 0600
   b. Angle of elevation: 35 DEG FROM HORIZON
   c. Compass angle bearing: 24000° M
   d. How accurate are these estimates? RELATIVE V.D. BEARING 10 DEG

10. What first attracted observer's attention?
    MOVEMENT OR THE LIGHT
    H.T. TO B. GET, PUT, IN CAR

11. If there was more than one light/object:
    a. How many were there? 10
    b. In what formation were they? NIL

12. What was the colour of the light or object? OFF WHITE

13. What was the brightness? (Compare with full moon or common light source
    at a stated distance eg, ordinary street light at 100 yards)
    OFF BALLOON AT 6000 FT, PICTURE OR TOUNT, OR OF PH IN OWN

14. What was the apparent size at nearest approach:
    a. Relative to Venus or Moon: VENUS SIZE, AT, DEEPE
    b. Relative dimensions in inches at arm's length (about 20 inches
       from the eye): 6

Name (Unit): A.F. BLACKET

Address of observer: 13, 20, 12

Date: 30 Jul 73

Phone: E.T. 2408

Observation made: 17 Jul 73

Number: 1

Note: This form may be completed in triplicate or separate sheets or the back of this form.
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 far as my knowledge, night flying had been cancelled and there was no sound or 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 took place several times and then stopped. After about 30 seconds a similar occurrence took place the sequence repeated itself.

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

3. My hosts, young man (aged about 10) answered the door. I asked them if they could see any thing unusual happening to the light. After a short observation he described the occurrence 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 for caution to see if any balloons had been released. He replied in the negative and said he would check a looks 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? From knowledge of aircraft layout and experience.


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. This movement was not similar to a meteorological balloon at 200-500 ft.

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

21. Describe any deviations or manoeuvres. North-South, through 90° in relation to power rise on opposite side.

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

23. Where was the object last observed:
   a. Relative to your surroundings: As stated.
   b. Angle of elevation:
   c. Compass angle bearing:

24. What was the manner of its disappearance? It had vanished before my telephoning. The N. H. T. F. informed FAA into balloon remains.

25. Do you know of any associated physical evidence (such as fragments, photographs, acorching, 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. home flying off, 1300 hrs. total experience.

27. How many witnesses to the sighting?

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? 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: [Signature]
Date: 25 Jul 73.

HBUCM (Unit) A. E. BLACKBURN (Name)
30 Jul 73 (Date) 16T 07 (Time)
<p>| | |</p>
<table>
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<tbody>
<tr>
<td>1.</td>
<td>Name of observer:</td>
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<td>2.</td>
<td>Address of observer:</td>
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<td>3.</td>
<td>Occupation of observer:</td>
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<td>4.</td>
<td>Date and time of start of observation:</td>
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<td>How certain is the date?</td>
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<td>How accurate is the time of start?</td>
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<td>5.</td>
<td>Duration of observation:</td>
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<td>6.</td>
<td>Observer’s location at time of sighting:</td>
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<td>How familiar is observer with this locality?</td>
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<td>7.</td>
<td>Weather conditions at time of observation:</td>
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<td>8.</td>
<td>Describe any aids/equipment used in the observation:</td>
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<tr>
<td>9.</td>
<td>Where was object first observed:</td>
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<td></td>
<td>a. Relative to your surroundings</td>
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<td></td>
<td>b. Angle of elevation</td>
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<td></td>
<td>c. Compass angle bearing</td>
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<td>d. How accurate are these estimates?</td>
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<td>10.</td>
<td>What first attracted observer’s attention?</td>
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<td>11.</td>
<td>If there was more than one light/object:</td>
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<td>a. How many were there?</td>
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<td>b. In what formation were they?</td>
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<tr>
<td>12.</td>
<td>What was the formation of the light or object?</td>
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<tr>
<td>13.</td>
<td>What was the colour of the light or object?</td>
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<tr>
<td>14.</td>
<td>What was the brightness?</td>
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<td>a. Relative to Venus or Moon</td>
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<td></td>
<td>b. Relative dimensions in inches at arm’s length (about 20 inches from the eyes)</td>
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</tbody>
</table>

**Part 1 - Report by Observer**
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)? N/A

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. N/A

21. Describe any deviations or manoeuvres. N/A

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

23. Where was the object last observed:
   a. Relative to your surroundings. N/A
   b. Angle of elevation. N/A
   c. Compass angle bearing. N/A

24. What was the manner of its disappearance? N/A

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. N/A

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? N/A

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: ____________________________ Date: 29/7/73

30 Jun 73 (Date) 765 LT (Rank)

N.R. MCM (Unit) A.F. BLACKBURN (Name)
32. The following military aircraft were in the vicinity of the reported UFO position at the time:

<table>
<thead>
<tr>
<th>A/C Type</th>
<th>Heading</th>
<th>Height</th>
<th>Speed</th>
<th>ATD/ATA*</th>
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33. The following civil aircraft were in the vicinity of the reported UFO position at the time:

<table>
<thead>
<tr>
<th>A/C Type</th>
<th>Heading</th>
<th>Height</th>
<th>Speed</th>
<th>ATD/ATA*</th>
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*Give location of nearest ATD or ATA.

34. Observer's Location: Latitude: 32° 49' Longitude: 51° 49'

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.

36. A meteorological balloon was released from... Height... Colour... Weight...

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

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

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

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

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

---

*Give location of nearest ATD or ATA.

---

30 Jul 73 (Date)
25 Jul 73

SIGHTING # 13

NSW/VIC

VARIOUS
UNIDENTIFIED FLYING OBJECT SIGHTING IN THE SALES AREA ON THE 25 JUL 73.

TWO OBSERVERS SIGHTED THE OBJECT AT APPROX 1905K HOURS PD SIGHTING

COINCIDES 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.
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 1,000-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 Marchison, 85 miles north of Melbourne, in 1969.

This proved to be a rare carbonaceous chondrite 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.
18 Mar 73
SIGHTING # 12

MASCOT
C.E. KEARNS
NSW.
MEMO

FROM:

TO:

SUBJECT: Reports of unusual aerial sightings.

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

Enclosure: Copy of letter to Mr. C. E. Reavis.
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 0.5 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,

[Signature]

(G.J. ODGERS)
Director of Public Relations
Department of Air (Attn: DAFI) CANBERRA

UNUSUAL AERIAL SIGHTINGS

Enclosed are reports of unusual aerial sightings submitted by Mr. Nigel van Ramburgh 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.

(Signed)

K.D. Clark
Squadron Leader for Air Officer Commanding

Enclosure: Two UFO Reports
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: [Observe Edward Kemis] Age: 38
2. Address of observer: 5 Constable Avenue, Miller, 2168, New South Wales
3. Occupation of observer: Meteorological Observer
4. Date and time of start of observation: 16th March 1973 / Approx O630z
   How certain is the date?: Date is Correct
   How accurate is the time of start?: Within One Minute
5. Duration of observation: One Minute
6. Observer's location at time of sighting: Dept Ballarat Observation
   Junior Meteorological Officer, Market Airport
   How familiar is observer with this locality?: Very Familiar
7. Weather conditions at time of observation: Fine - Sky Clear
   W.S. 300m Plus
8. Describe any aids/equipment used in the observation: Dept Ballarat Terrestrial Using 20x Lens.
9. Where was object first observed:
   (a) Relative to your surroundings: East North East
10. (b) angle of elevation: 21°
   (c) compass angle bearing: 066°
   (d) how accurate are these estimates: Very Accurate
11. What first attracted observer's attention?
    There was in process of doing: Dept. Ballarat Flight. Ballarat was at about 63000 ft and was using 20x Lens on Terrestrial and object radar across radar
    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 COMPARISON WITH EXAMPLES YOU GAVE IT DID NOT BLOW BUT APPEARED TO REFLECT LIGHT OF SUN IN SOME THAT 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 eye) APPROXIMATELY 1/16 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 0.5° HEAVEN?

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

20. Give duration of any stationary phases. NONE.

21. Describe any deviations or manoeuvres. 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 TRUE TO N.W.
   (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 PART BALLOON FLIGHT.

25. Do you know of any associated physical evidence (such as fragments, photographs, scorching, ground indentations, residual magnetism or radioactivity etc)? NO.
26. State any training which enables observer to be reasonably certain of his/her ability to estimate angles and angular velocity.

27. How many witnesses to the sighting?

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 traversed 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 next 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 30° to 21°.

2. 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 afternoons with equipment (instrument) being used at the time and his reply was "If atmospheric conditions were perfect and I was focused at the correct angle at the precise time it may have been possible to sight such an object but the chances would be many thousands times too slow 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) Alt Balloon Slide Rule. The three heights were 63,000 ft - 126,000 ft and 300 miles. The resultant speeds were 21-28000 kph - 420-56000 kph and in excess of 40,000 kph. None of these speeds, to my knowledge, are consistent with man made Space Debris or Satellites. The first appears to slow the latter to fast.

Signature: [Signature] Date: 6 Feb 73
7/13th April 73

Sighting # 11

Targa

C. Barnett

Tas
**FROM:**

BROWN, (Date)

**TO:**

TASMANIAN SQUADRON ATC

**ATTENTION**

**SUBJECT**

Reports of Unusual Aerial Sightings

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

**ENCLOSURE**

Copy of letter to Mr. C. Barnett
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 EAC-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 6000 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,

(C.J. O'GHEGS)
Director of Public Relations
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

# 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.)

<table>
<thead>
<tr>
<th>1. Name of observer</th>
<th>Mr. Charles Barnett</th>
<th>Age</th>
<th>18</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Address of observer</td>
<td>Tarra</td>
<td>Phone</td>
<td>993368 (for message)</td>
</tr>
<tr>
<td>3. Occupation of observer</td>
<td>Farmer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Date and time of start of observation</td>
<td>6.30 P.M., Friday 13th April, 1940</td>
<td>How certain is the date?</td>
<td>Very</td>
</tr>
<tr>
<td></td>
<td></td>
<td>How accurate is the time of start?</td>
<td>Reasonably accurate</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Duration of observation</td>
<td>30 secs. (both sightings)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>How accurate is your estimate?</td>
<td>Reasonably</td>
</tr>
<tr>
<td>5. Observer's location at time of sighting</td>
<td>Farmhouse near Patrick River</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>bridge near commencement of siding</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>How familiar is observer with this locality?</td>
<td>Lived in area 16 years</td>
</tr>
<tr>
<td>6. Weather conditions at time of observation</td>
<td>Overcast cloud (2nd)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. Describe any aids/equipment used in the observation</td>
<td>Nil</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8. Where was object first observed?</td>
<td>a. Relative to your surroundings: Glanced up and saw object.</td>
<td>85°N</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>from N.E.W. passed overhead and slightly to north.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>b. Angle of elevation</td>
<td>35°-45° (2nd sighting) 10°-15° (2nd)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>c. Compass angle bearing</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>d. How accurate are these estimates?</td>
<td>ESTIMATE ONLY</td>
</tr>
<tr>
<td>9. What first attracted observer's attention?</td>
<td>A red and white light</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10. If there was more than one light/object</td>
<td>No</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>a. How many were there?</td>
<td>One</td>
<td></td>
</tr>
<tr>
<td></td>
<td>b. In what formation were they?</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>11. What was the colour of the light or object?</td>
<td>Red and white light</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

... 35°-40° elevation (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...

... (Similar object sighted nearby...)

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...

... No exhaust or ...

23. Where was object last observed:
   a. relative to your surroundings...
   b. angle of elevation...
   c. compass angle bearing...

... towards Scottsdale ...

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

... passed below tree line ...

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?

... 4 ...

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

None

30. What are your main reasons for excluding this explanation? ........ /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. SMITHELL (for) Date: 14th APRIL 1973..............
32. The following military aircraft were in the vicinity of the reported UFO position at the time:

A/C type: B-47/ (SECOND SIGHTING)
Heading: N 80°
Height: about 10,000 ft
Speed: NOT KNOWN
ATD/ALT: 0 hrs.

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

A/C type: ELECTRA
Heading: N 80°
Height: about 8,000 ft
Speed: NOT KNOWN
ATD/ALT: 1820 hrs.

* Give location of nearest ATD or ATA

34. Observer's Location: Latitude: 41° 25' 5" S Longitude: 114° 10' 8" E

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

36. A meteorological balloon was released from LTN (BOTH SIGHTINGS)
at: 0330 hrs.
Colour: WHITE
Height: NOT KNOWN

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

General wind profile: WESTLY

Maximum height tracked: 14,000 ft at: 0330 hrs.
Was it known to have burst? YES

37. The first significant temperature inversion was at 5000 ft, measured at 1730 hrs from AURORACON 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.
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 REPORT.

—5—

RESTRICTED
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 TARCA (situated 16NM North-North-East of LAUNCESTON). Mr BARNETT reported the sighting of an unusual aerial object at 1630K 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 interviewed 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° to 40°. 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° to 15°. 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, 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 6000 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 - 2/8 Sc 5000ft, 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 occasions, 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

6. 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 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.

TASAGC (LAUNCESTON)
27th June 1973

(M. J. HAXELL)
Flight Lieutenant
Investigating Officer
17 Jun 73

SIGHTING *10

Allora

M.C. Cox
REPORT OF UNUSUAL AERIAL SIGHTINGS

1. Enclosed, for your records is a copy of a letter from the 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 1973 as requested.

Enclosures:
1. Copy of letter to Mr. M.C. Cox
2. Summary of investigations for 1973
Mr. M.O. Cox,
Flat 2,
69 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,

(S.J. O'GERS)
Director of Public Relations
1. Forwarded to our copy each of U.F.O. reports by Mr. M.C. Cox and Mr. H.S.P. 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.P. Austin
3. 82w/5/9/Air (36)
### 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.)

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Name of Observer: MICHAEL CHARLES COX</td>
</tr>
<tr>
<td></td>
<td>Age: 23</td>
</tr>
<tr>
<td>2.</td>
<td>Address of Observer: FLAT 2 8.2 CURZON ST</td>
</tr>
<tr>
<td></td>
<td>Wav: DIPLOMA</td>
</tr>
<tr>
<td></td>
<td>Phone: 241034</td>
</tr>
<tr>
<td>3.</td>
<td>Occupation of Observer: PLANT BEEPER, DPI 900 MHz RECEIVER</td>
</tr>
<tr>
<td>4.</td>
<td>Date and time of start of observation: 17/NN/73 2100</td>
</tr>
<tr>
<td></td>
<td>How certain is the date: CERTAIN</td>
</tr>
<tr>
<td></td>
<td>How accurate is the time of start: ± 10 MINS</td>
</tr>
<tr>
<td>5.</td>
<td>Duration of observation: 10 MINS</td>
</tr>
<tr>
<td></td>
<td>How accurate is your estimate: ± 5 MINS</td>
</tr>
<tr>
<td>6.</td>
<td>Observer's location at time of sighting: MOVING CAR</td>
</tr>
<tr>
<td></td>
<td>AND LATER STATIONARY CAR</td>
</tr>
<tr>
<td></td>
<td>How familiar is observer with this locality: VERY</td>
</tr>
<tr>
<td>7.</td>
<td>Weather conditions at time of observation: FINE WIT</td>
</tr>
<tr>
<td></td>
<td>HIGH, MISTY, CLOUD</td>
</tr>
<tr>
<td>8.</td>
<td>Describe any aids/equipment used in the observation: NIL</td>
</tr>
<tr>
<td>9.</td>
<td>Where was object first observed:</td>
</tr>
<tr>
<td></td>
<td>(a) Relative to your surroundings: THROUGH LEFT HAND</td>
</tr>
<tr>
<td></td>
<td>SIDE OF FRONT WINDOW OF CAR, TRAVELLING NORTH WEST</td>
</tr>
<tr>
<td></td>
<td>(b) angle of elevation: 20° ±10°</td>
</tr>
<tr>
<td></td>
<td>(c) compass angle bearing: 270° ±20°</td>
</tr>
<tr>
<td></td>
<td>(d) how accurate are these estimates: ALL GOOD</td>
</tr>
<tr>
<td>10.</td>
<td>What first attracted observer's attention: VERY BRIGHT</td>
</tr>
<tr>
<td></td>
<td>FLASHING LIGHT</td>
</tr>
</tbody>
</table>

**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) DIAMETER 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, 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 TURNS 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 IN SOUTHERLY DIRECTION

20. Give duration of any stationary phases. LITTLE

21. Describe any deviations or manoeuvres. LITTLE

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

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

27. How many witness to the sighting?

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
Part 2 - Unit Evaluation

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

<table>
<thead>
<tr>
<th>A/C type</th>
<th>(1)</th>
<th>(2)</th>
<th>(3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heading</td>
<td>T</td>
<td>T</td>
<td>T</td>
</tr>
<tr>
<td>Height</td>
<td>N</td>
<td>6,000 ft</td>
<td>1,000 ft</td>
</tr>
<tr>
<td>Speed</td>
<td>K</td>
<td>K</td>
<td>K</td>
</tr>
<tr>
<td>ATD/ATA</td>
<td>hrs</td>
<td>hrs</td>
<td>hrs</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>A/C type</th>
<th>(1)</th>
<th>(2)</th>
<th>(3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heading</td>
<td>T</td>
<td>T</td>
<td>T</td>
</tr>
<tr>
<td>Height</td>
<td></td>
<td>6,000 ft</td>
<td>1,000 ft</td>
</tr>
<tr>
<td>Speed</td>
<td></td>
<td>K</td>
<td>K</td>
</tr>
<tr>
<td>ATD/ATA</td>
<td>hrs</td>
<td>hrs</td>
<td>hrs</td>
</tr>
</tbody>
</table>

* Give location of nearest ATD or ATA.

34. Observer's Location: Latitude 28°03.5', Longitude 152°00.0'.

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

36. A meteorological balloon was released from Evreux at 1100 Z Colour. White.

- Radio-cone: Candle* Battery**(delete as required)
- General wind profile: South to 7000', then north
- Maximum height tracked: 6,000 ft at Z

Was it known to have burst? Yes
37. The first significant temperature inversion was of 3° at 6000 ft, measured at 1100 hrs from station.

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

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

40. The cause (or likely cause) of the sighting can* be determined.

41. The object reported probably was* (delete as required)  

*Some mention of cause due atmosphere.  

See written report.

82 Wing (Unit)  
11th July 73 (Date)  

RESTRicted  

RESTRicted
UFO SIGHTING AT ALLORA BY
Mr N. 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 discounted 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.

11th July 1973

(Sqn Ldr BERTRAM)
Squadron Leader
Wing Intelligence Officer
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.G. AUSTIN...................... Age: 73
2. Address of Observer: 35, 94TH AVE. Phone: 9.7.4.3.2.
   NORMAN, OKLA. (4/73)
3. Occupation of Observer: RETIRED
4. Date and time of start of observation: 24.6.73, 8:45 P.M.
   How certain is the date?... POSITIVE.
   How accurate if the time of start?... POSITIVE.
5. Duration of observation: THIRTY FIVE MIN.
   How accurate is your estimate?... CORRECT.
6. Observer's location at time of sighting: DRIVING FROM...
   44, H. PENCH, TO BISPLAKE
   How familiar is observer with this locality?... FAIR.
7. Weather conditions at time of observation: 4/00P
8. Describe any aids/equipment used in the observation: H./.
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
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? ..

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) ..

14. What was the apparent size at nearest approach:
   (a) relative to Venus or Moon ..
   (b) relative dimensions in inches at arm's length
      (about 20 inches from the eyes) ..

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

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)? NO.

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

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: [Signature]
Date: [Date]

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

<table>
<thead>
<tr>
<th>A/C type</th>
<th>(1)</th>
<th>(2)</th>
<th>(3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heading</td>
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<td>Height</td>
<td>000 ft</td>
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<td>Speed</td>
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<tr>
<td>ATD/ATA</td>
<td>hrs</td>
<td>hrs</td>
<td>hrs</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>A/C type</th>
<th>(1)</th>
<th>(2)</th>
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<td>Height</td>
<td>000 ft</td>
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<td>Speed</td>
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</tr>
<tr>
<td>ATD/ATA</td>
<td>hrs</td>
<td>hrs</td>
<td>hrs</td>
</tr>
</tbody>
</table>

* Give location of nearest ATD or ATA.

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

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° / 80° / 30°

36. A meteorological balloon was released from:

   at: Z Colour: Applied
   Weight: Applied
   Radio-sonde/*r.: Applied
   Capillary battery**(delete as required)

   General wind profile
   Maximum height tracked: 000 ft
   Was it known to have burst?
   /5.
37. The first significant temperature inversion was of
   
   °C at ........................................................................
   measured at ........................................................................
   from .....................................................................................
   station.

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

39. When an aircraft is a possible identification, include radar trace 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 attached 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
UFO SIGHTING IN KILKIVAN AREA
IN EARLY JUNE 1973

1. The Intelligence Officer, Sqn Ldr HERTRAN, 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. 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.
SIGHTING # 7

SPRINGBOK

A.D.

J. PILGRIM
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 helicopters 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 cool night following a warm day.
SIGHTING # 6

Amberley
QLD

Armad
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 plumes 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 helicopter 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 helicopter 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 helicopter 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.
4 JUL 73

SIGHTING #

BOROKO

TERREN
REPORT OF UNUSUAL AERIAL SIGHTING

Enclosed for your perusal is a copy of a letter from the Department to Mr. Teareel re: reply to his report of an unusual aerial sighting.

Enclosure: Copy of letter to Mr. Teareel
Mr Terrell,
Cnr. Laurabasa 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 Australia 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)
Director of Public Relations
Department of Air,
Russell Offices
CANBERRA ACT 2601

Per Informations:
Department of Defence CANBERRA
Headquarters Operational Command RAAF PERNLTH

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 (DEP AIR ONLY).

2. Future reports will be sent in accordance with Operational Command Air Staff Instruction 3/4/5.

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


Sighting Report (DEP AIR ONLY)
REPORT - UNIDENTIFIED FLYING OBJECT
POST MORSEBY AREA

Reference: A. Our Int 010926 dated 1703425 Jul 73.

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

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

3. A press cutting from the Port Morseby Post Courier exaggerates the recent sightings and is in error in some instances. The sighting mentioned in RAMEL 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 RNDF on a regular basis.

[Signature]
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 separate
sheets or the back of this form.

1. Name of observer. [Redacted].
   Age: [Redacted].

2. Address of observer. [Redacted].
   Phone: [Redacted].

3. Occupation of observer. [N/A].

4. Date and time of start of observation. [Redacted].
   How certain is the date. [Redacted].
   How accurate is the time of start. [Redacted].

5. Duration of observation. [Redacted].
   How accurate is your estimate. [Redacted].

6. Observers location at time of sighting. [Redacted].

7. Weather conditions at time of observation. [Redacted].

8. Describe any aids/equipment used in the observation. [Redacted].

9. Where was the object first observed:
   a. Relative to your surroundings. [Redacted].
   b. Angle of elevation. [Redacted].
   c. Compass angle bearing. [Redacted].
   d. How accurate are these estimates. [Redacted].

10. What first attracted observer's attention. [Redacted].

   RESTRICTED
11. If there was more than one light/object:
   a. How many were there
   b. In what formation were they

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

13. What was the colour of the light or object

14. What was the apparent size at nearest approach:
   a. Relative to Venus
   b. Relative dimensions in inches at arm's length (about 20 inches from the eyes)

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

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)

20. Give duration of any stationary phases

21. Describe any deviations or manoeuvres

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

23. Where was the 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 e.g. fragments, 
photographs, scorches, ground indentations, residual magnetism or radio activity, etc.

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

27. How many witnesses to the sighting (see statement unable to describe)

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

29. What natural phenomenon (phenomenon) 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 of Observer .................................. Date May 16, 1973

RESTRICTED
NOTE: The Boreko Soccer Ground was the area of the sighting by Mr. J. Shaw, and Mrs. Beck. Refer our WT 010926 dated 170345Z Jul 73. Arrived at aircraft in Jacobean County area.
UFOs sighted in Moresby, Kimbe and Rabaul

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

The two other sightings of UFOs were reported — not in Kimbe and Moresby — but in Rabaul — at the weekend.

First to spot them was Peter May, a 6-year-old boy. He saw the UFOs first between 7 and 7.30.

Peter reported the incident to his mother. Mrs. Torn and the children watched it ever so much because the UFO was moving quickly and was moving close to the house.

Mrs. Torn and her children watched with much interest. Mrs. Torn and her children watched with much interest.

She said it was moving slowly and was not moving at the normal speed of the normal planets.

The children watched as it moved swiftly and left them behind.

The children watched as it moved swiftly and left them behind.

Some people said they saw the UFOs at 7.30. But the children who watched it at 7.30 said they saw it at 7.10. and 7.20.

Some people said they saw the UFOs at 7.30. But the children who watched it at 7.30 said they saw it at 7.10. and 7.20.

The children said they saw it at 7.10. and 7.20. But the children who watched it at 7.30 said they saw it at 7.10. and 7.20.

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### PART TWO - UNIT EVALUATION

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

<table>
<thead>
<tr>
<th>Aircraft type</th>
<th>Heading</th>
<th>Height</th>
<th>Speed</th>
<th>ATD/ATA Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>T</td>
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<tr>
<td>3</td>
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<td>hrs</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Aircraft type</th>
<th>Heading</th>
<th>Height</th>
<th>Speed</th>
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<td>T</td>
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</tr>
<tr>
<td>3</td>
<td>T</td>
<td>0000ft</td>
<td>K</td>
<td>hrs</td>
</tr>
</tbody>
</table>

#### 34. Observer's location: Latitude [92.7°], Longitude [187.8°].

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

#### 36. A meteorological balloon was released from [0000:00:00] at [0000:00:00].

- Colour: [##]
- Weight: [## gms]

#### 37. Any remarks on satellites, rockets, research balloons, comets, meteors etc. relevant to the sighting.
The first significant temperature inversion was ........... degrees at ................... feet, measured at .................. km from .................. station.

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

The cause (or likely cause) of the sighting cannot be determined.

The object reported probably was/may have been ................... moving, when spotted through ground haze and some phenomenon of ornaments.

Unit: H.R.N.G.E. ........................................
Name: R. K. MARSHALL ..................................
Date: 16. JUN. 73 ..........................................
Rank: Fd. Lts. ............................................
Appointment: S.O. 10-75 .................................

Secretary Department of Air (Attention: DAFI)

REPORT - UNIDENTIFIED FLYING OBJECT
PORT MORESBY AREA


Hereewith 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.

(Signed)
Squadron Leader for Air Officer Commanding

Encl: UFO Report
**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 separate sheets or the back of this form.

<p>| | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Name of observer: Mr. President, 4th Floor, Washington, D.C.</td>
</tr>
<tr>
<td>2.</td>
<td>Address of observer: 1234 Avenue of the Americas, New York, NY</td>
</tr>
<tr>
<td>3.</td>
<td>Occupation of observer: Government Service</td>
</tr>
<tr>
<td>4.</td>
<td>Date and time of start of observation: 30th of July, 1971, about 19:50</td>
</tr>
<tr>
<td>5.</td>
<td>How certain is the date: Very accurate</td>
</tr>
<tr>
<td>6.</td>
<td>How accurate is the time of start: Within 10 minutes</td>
</tr>
<tr>
<td>7.</td>
<td>Duration of observation: About 20 minutes</td>
</tr>
<tr>
<td>8.</td>
<td>How accurate is your estimate: Within 10 minutes</td>
</tr>
<tr>
<td>9.</td>
<td>Observers location at time of sighting: ( \text{Address as above} )</td>
</tr>
<tr>
<td>10.</td>
<td>Weather conditions at time of observation: Clear</td>
</tr>
</tbody>
</table>

Describe any aids/equipment used in the observation:

Where was the object first observed:

- Relative to your surroundings: \( \text{Unknown} \)
- Angle of elevation: \( 65^\circ \)
- Compass angle bearing: \( 135^\circ \) or \( 90^\circ \)
- How accurate are these estimates: \( \pm 2^\circ \)

What first attracted observer's attention: cancelled observation.
11. If there was more than one light/object:
   a. How many were there ........................................
   b. In what formation were they ........................................

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

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

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.

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)

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

21. Describe any deviations or manoeuvres (or object, transited 60° at an elevation of 8° Stopped and flashed triple, gave rearrangement by 2 or 3)

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

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

RESTRICTED
24. What was the manner of its disappearance? When facing north, it was still visible.

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

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

27. How many witnesses to the sighting? (two witnesses unable to describe)

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

29. What natural phenomenon (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 of Observer: __________________________ Date: ________________
MAP 5
JOINS 13

NOTE: The Boroko Soccer Ground was
the area of the sighting by Mr. J. Shears
and Mrs. Beck. Refer our INT 010926 dated
170345Z Jul 73.
Ten people sighted unidentified flying objects in the Port Moresby sky on Saturday night.

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

First to see them in Port Moresby was 16-year-old Kerri Terrell, of Boroko. He saw the UFOs first between 7 and 7.30 pm. His mother, Mrs Linda Terrell, said her son called her to the window.

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

"It was moving quickly and was about 45 degrees from the horizon at its highest point. It then went out of site," Mr Terrell said.

Mrs Terrell said the unidentified object was very much brighter than a plane.

"I watched it for five to 10 minutes and my children watched them too," she said. "I don't think they were weather balloons — perhaps they were part of the spy lab matter."

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 the UFO sightings.

Page 19

A meteorological balloon was released from Port Moresby at 2.00pm. It was tracked using a radio-sonde/radar. The colour was red.

Maximum height tracked 10000ft at 3.00am.

Was it known to have burst?

Any remarks on satellites, rocket scientists, research balloons, comets, meteorites etc. relevant to the sighting.

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Maximum height tracked 10000ft at 3.00am.

Was it known to have burst?

Any remarks on satellites, rocket scientists, research balloons, comets, meteorites etc. relevant to the sighting.
PART TWO - UNIT EVALUATION

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

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<th>Speed (K)</th>
<th>ATD/ATA Area (hrs)</th>
</tr>
</thead>
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<td>1</td>
<td>T</td>
<td>0000</td>
<td>K</td>
<td>hrs</td>
</tr>
</tbody>
</table>

Observer's location: Latitude °12.7.3... Longitude °71.9.5....

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.

A meteorological balloon was released from the observer's location at 2100 K and evening. Colour... Weight...

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

General wind profile

Maximum height tracked at...

Was it known to have burst...

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

RESTRICTED
36. The first significant temperature inversion was ........ degrees at ............... feet, measured at ............... ft from ............... station.

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

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

41. The object reported probably was/may have been ............ moving ....... sighted through ground haze.
   Some phenomenon of neonise.

Unit 48 ING E
Date 16 Jun 73

Name R. K. MARSHALL
Rank Fw/Lt
Appointment 803 (1st)
BOROKO
RIG
MRS BECK
Unusual Aerial Sightings Report Form
REPORTS UNIDENTIFIED FLYING OBJECTS. THIS NOTES 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 1409152 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 EXPLANATION FOR THIS SIGHTING. AND A REPORT OF AN INTERVIEW WITH THE TERRELL FAMILY WILL BE forwarded TO OPERATIONAL COMMAND HEADQUARTERS THIS DAY. REPORT THREE. AT 147030Z THE DISTRICT COMMISSIONER AT KINBE 0534S 19010E. HE OBSERVED A BRIGHT LIGHT 5 DEGREES ABOVE HORIZON. OBJECT WAS CONICAL GLOWING OBJECT WITH RED LIGHT ON TOP IT WAS
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PAGE 2 RAYCG 879 RESTRICTED
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AC

RECEIVED 14 JUL 73

RESTRICTED
23 Jun 73
SIGHTING # 2
Mareesa
P. Burney
Enclosed, for your records is a copy of a letter from the Department to Mr. P. Bunney in reply to his report of an unusual aerial sighting.

Enclosure: Copy of letter to Mr. P. Bunney
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
Director of Public Relations
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
ATTENTION: FLYING OFFICER W. C. CANNIFTE

UNUSUAL AERIAL OBJECT SIGHTING REPORT
RéF. 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 21.10E 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:-

<table>
<thead>
<tr>
<th>Time Interval</th>
<th>Direction</th>
<th>Average Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 – 10 minutes</td>
<td>NW</td>
<td>19 knots</td>
</tr>
<tr>
<td>10 – 18 minutes</td>
<td>WSW</td>
<td>18 knots</td>
</tr>
<tr>
<td>18 – 30 minutes</td>
<td>NW</td>
<td>10 knots</td>
</tr>
</tbody>
</table>

The balloon burst at approximately 30,000ft.

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

<table>
<thead>
<tr>
<th>Location</th>
<th>Change in Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOWNSVILLE</td>
<td>10,500ft to 11,200ft 5.5°C to 9.5°C</td>
</tr>
<tr>
<td>CLONCURRY</td>
<td>9,200ft to 9,500ft 6°C to 9°C</td>
</tr>
<tr>
<td>WILLIS ISLAND</td>
<td>10,300ft to 11,000ft 7°C to 8°C</td>
</tr>
</tbody>
</table>

(S. J. WALKER)
OFFICER-IN-CHARGE
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 J. Kinnery
   Age: 20

2. Address of observer: 175 Byrne St, Mareeba

3. Occupation of observer: Radio Announcer - Technician

4. Date and time of start of observation: 27 June 1973, 21:30 hours

5. How certain is the date?: Precise

6. How accurate is the time of start?: ± 2 minutes

7. Duration of observation: 30 minutes

8. How accurate is your estimate?: ± 3 minutes

9. Observer's location at time of sighting: Ham Radio Station, Stud Float

10. How familiar is observer with this locality?: (5) Few weeks residing

    Observer had two witnesses.

11. Weather conditions at time of observation: Fine with few clouds

12. Describe any aids/equipment used in the observation: Nil - Naked Eye

13. Where was object first observed:
   a. Relative to your surroundings: Easterly Direction
   b. Angle of elevation: Approx. 15°
   c. Compass angle bearing: 040°
   d. How accurate are these estimates: Approximate

Address of observer:

Date and time of start of observation:

How certain is the date:

How accurate is the time of start:

Duration of observation:

How accurate is your estimate:

Observer's location at time of sighting:

How familiar is observer with this locality:

Weather conditions at time of observation:

Describe any aids/equipment used in the observation:

Where was object first observed:

Relative to your surroundings:

Angle of elevation:

Compass angle bearing:

How accurate are these estimates:
10. What first attracted observer's attention? 

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, e.g., 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) 

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° | 0° 

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. 2 MIN. 

21. Describe any deviations or manoeuvres STRAIGHT LINE ONLY 

22. Describe any trail of exhaust, vapour or light seen APPEARED TO.
23. Where was object last observed:
   a. relative to your surroundings: "HEADING TOWARDS...CAIRNS"
   b. angle of elevation: "50° ABOVE...NARRAIRA..."
   c. compass angle bearing: "NOT SURE... (GUESSTIMATE)"

24. What was the manner of its disappearance? "REMINISCE 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 MY 0/0"

Signature: ........................................ Date: 23 JUN 73.
The following military aircraft were in the vicinity of the reported UFO position at the time:

<table>
<thead>
<tr>
<th>A/C type</th>
<th>Heading</th>
<th>Height</th>
<th>Speed</th>
<th>ATD/ATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
<td></td>
<td>0000ft</td>
<td></td>
<td>hrs</td>
</tr>
<tr>
<td>(2)</td>
<td></td>
<td>0000ft</td>
<td></td>
<td>hrs</td>
</tr>
<tr>
<td>(3)</td>
<td></td>
<td>0000ft</td>
<td></td>
<td>hrs</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>A/C type</th>
<th>Heading</th>
<th>Height</th>
<th>Speed</th>
<th>ATD/ATA</th>
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<tr>
<td>(1)</td>
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<td>(2)</td>
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<td>hrs</td>
</tr>
<tr>
<td>(3)</td>
<td></td>
<td>0000ft</td>
<td></td>
<td>hrs</td>
</tr>
</tbody>
</table>

Observer's Location:  
Latitude 17°00.00S  
Longitude 14°5.25E  

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.

A meteorological balloon was released from  

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

General wind profile:  

Maximum height tracked:  

Was it known to have burst:  

The first significant temperature inversion was of 4.5°F at 11000 ft measured at 0930 hrs station.

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

Give location of nearest ATD or ATA.
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)

A BALLOON OR PLANET

.................................................................

H.G. L.St. W.G. CANNIFFÉ

.................................................................

Unit: (name)

.................................................................

9 JUL 73 Date: FLYING OFFICER (rank)
13 Jun 78

SIGHTING # 1

TERANG
VIC

ANNE FRASER
Enclosed for your records is a copy of a letter from this Department to W/Lt. Col. Anderson in reply to his report of an unusual aerial sighting.

Enclosure: Copy of letter to W/Lt. Col. Anderson.
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 air movements, 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 65% 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 50% 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 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 even 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,

[Signature]

(C.J. O'Degers)
Director of Public Relations
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 DERM approve travel. A telephone interview is considered impracticable.
Dear Sirs,

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

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 (Mrs.)
Joyce Frankel (Miss.)
Mary Sinclair (Mrs.)
Three of us, all Guidera from Torang, were returning from a meeting at Cobden. We left the hall there at 10.30 pm on Wednesday, June 13th 1973.

On the way home to Torang 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 Garroc area and turned off the Ayrford Rd at the bridge to come along a lane which leads from the Ayrford Bridge to 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 PNG or SE 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 suddenly 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...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 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 press 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 of a train...the way a train's light grows brighter and more intense 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 Essendon 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 Tallamarine 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 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 miles 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
REPORT ON UNUSUAL ARRIVAL 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 FRAZER
   Age: 34 YEARS

2. Address of observer: 18 HARRISON ST.
   TERRANG, VIC. 3260
   Phone: 921 0030

3. Occupation of observer: HOUSE DUTIES/JOYANNIST

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 10.2 MIN.

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

6. Observer's location at time of sighting: 5.2 mi. S. of Terrang
   (102 km. from Terrang Golden Door Sessions)
   How familiar is observer with this locality? VERY FAMILIAR

7. Weather conditions at time of observation: CLEAR, CALM, SHORT CLOUDS
   HEAVY FOG, HIGH WIND AT 9.20PM

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

9. Where was object first observed? :
   a. Relative to your surroundings: CH. FACINGS EAST, LIGHT APPEARED
   TO RIGHT FRONT QUADRANT
   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
   HOBBIT TO RE A BIRD

11. If there was more than one light/object: ONE ONLY
   a. How many were there?
   b. In what formation were they? AT FIRST WHITE AND BAR

12. What was the colour of the light or object? YELLOW AMBER

X 5/16/1973
Chistie
13. What was the brightness? (compare with full moon or common light source at a stated distance, eg ordinary street light at 100 yards) **AMBER**.

14. What was the apparent size at nearest approach?
   a. relative to Venus or Moon **NOT**
   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? **GUESS WORK**.

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)? **20°**.

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

20. Give duration of any stationary phases **5 MIN**.

21. Describe any deviations or manoeuvres **SLOW**.

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

23. Where was object last observed?
   a. relative to your surroundings **OVER TOWARDS EWE'S HILL**
   b. angle of elevation **LEFT OF CENTER IN CRASH WINDSCREEN**
   c. compass angle bearing **TO BACK OF CRASH'S REAR SPINNER**

24. What was the manner of its disappearance? **NONE**.

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

26. State any training which enables observer to be reasonably certain of his/her ability to estimate angles and angular velocity **NONE**.

27. How many witnesses 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, STAGE FIRE, HURRICANE GALE**

30. What are your main reasons for excluding this explanation? **SUDDEN APPARENT CHANGE OF DIRECTION, NO 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.
Addendum.
We are regularly recording all in an endeavor to establish any "pattern" we have made at least a dozen efforts at varying times at varying nights over the 3 weeks - some sighting.
Interesting development last night, exactly same time, but will continue studying this before further description. Dupont may have been satellite, if so, should again be visible at regular intervals.
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
to travel & appeared to approach (now
apparently travelling SW) Amber light

Then appeared to reverse NE in line between
Cobden & Camperdown until out of sight
32. The following military aircraft were in the vicinity of the reported UFO position at the time:

<table>
<thead>
<tr>
<th>A/C type</th>
<th>Heading</th>
<th>Height</th>
<th>Speed</th>
<th>ATD/ATA *</th>
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</tr>
<tr>
<td>(2)</td>
<td>T</td>
<td>000 ft</td>
<td>K</td>
<td>hrs</td>
</tr>
<tr>
<td>(3)</td>
<td>T</td>
<td>000 ft</td>
<td>K</td>
<td>hrs</td>
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33. The following civil aircraft were in the vicinity of the reported UFO position at the time:

<table>
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<tr>
<th>A/C type</th>
<th>Heading</th>
<th>Height</th>
<th>Speed</th>
<th>ATD/ATA *</th>
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<tbody>
<tr>
<td>(1)</td>
<td>T</td>
<td>000 ft</td>
<td>K</td>
<td>hrs</td>
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<tr>
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<td>(3)</td>
<td>T</td>
<td>000 ft</td>
<td>K</td>
<td>hrs</td>
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</table>

* Give location of nearest ATD or ATA

34. Observer's Location: Latitude 38°15' Longitude 142°55’E

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... m

Radio-sonde** radar**: Candle ** battery **

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

Met Melbourne advise only six 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 space debris. Aircraft 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.

If a personal interview and on site investigation is required, could DéPAl2 approve travel.

HASCU  
(Unit)  

11 JUL 73  
(Date)  

R. C. Gibbs  
(Name of Investigating Officer)  

** Delete as necessary
### Registry Classification Particulars

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### Registration

**CONFIDENTIAL**

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**Reports on Flying Saucers and Other Aerial Objects**

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D/C to Restricted
**Reports on Flying Saucers and Other Aerial Objects**

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**Archival Action**

**Unclassified**