S11C
(Revised Dec 68)

CONFIDENTIAL
DEPARTMENT OF AIR

FILE No			PART
554	1	30	2

ARCHIVAL ACTION

TITLE: INVESTIGATIONS OF FLYING SAUCERS — POLICY

REFERRED TO	FOLIO FOR ATTENTION	DATE REFERRED	ACTIONED BY (INITIALS)
DAFI	file	26.5.72	
PA 72 E-4-27	file	28/10/80	✓
DAFIS		21/5	✓
Plt Away	File	1/8/84	dlb.
PA72		6-8-84	✓

FILE CLOSED.

REFERRED TO	FOLIO FOR ATTENTION	DATE REFERRED	ACTIONED BY (INITIALS)

FILE CLOSED.

FILE No 554 | 1 | 30 | PART 2

FILE CLOSED.

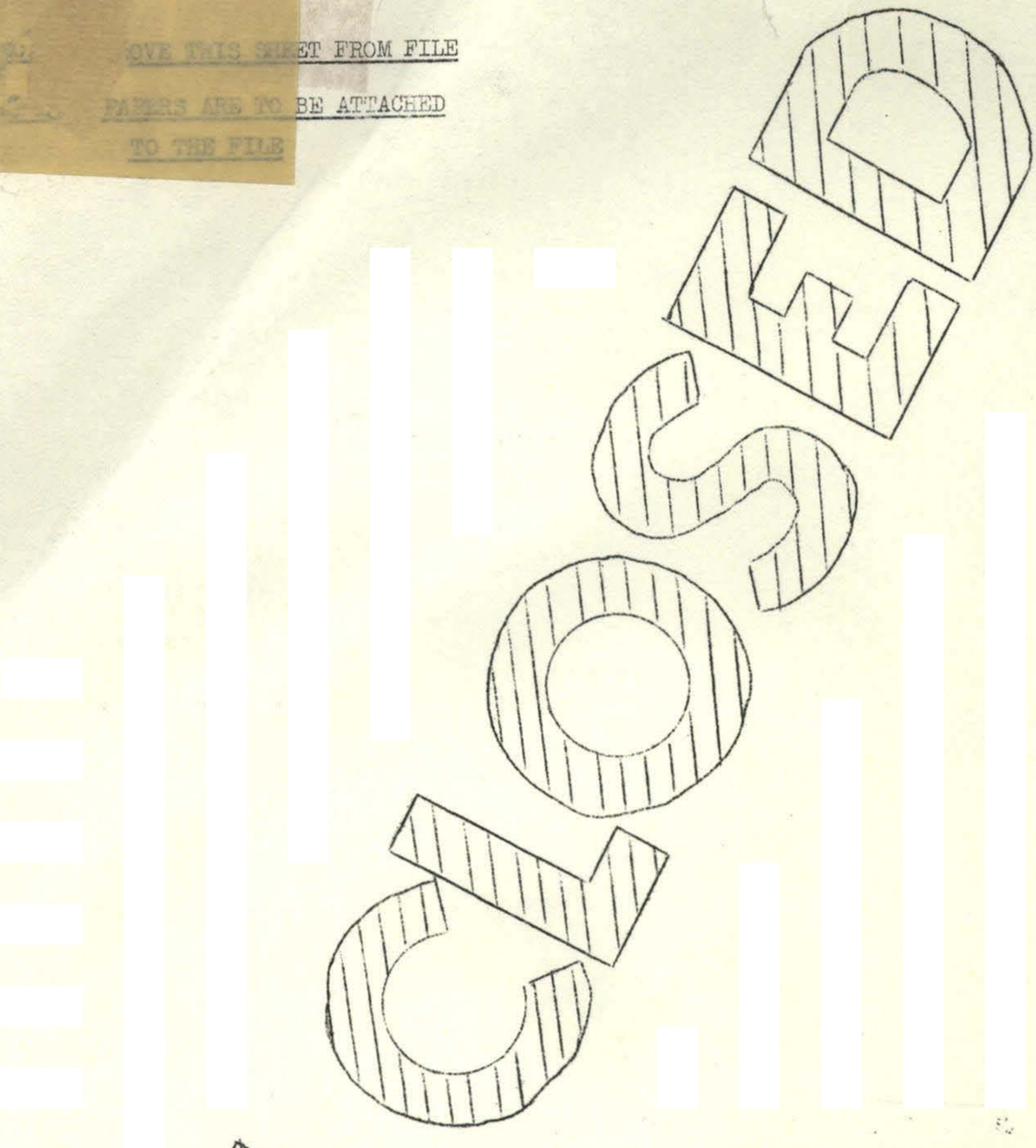
CONFIDENTIAL

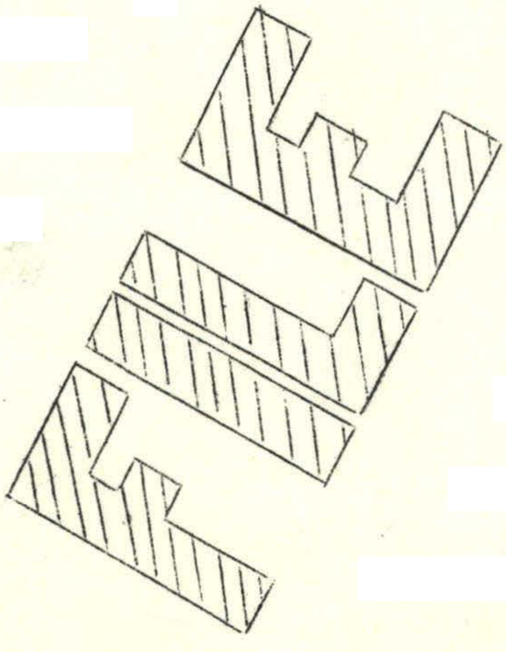
OTHER FILES BEARING ON THIS SUBJECT

FILE No	TITLE
Upgraded - 23.6.71	
580-1-1 #	UFO Reports.
574-3-88	UFO's Enquiries from Members of the Public.
New Cover - 26.5.72	

REMOVE THIS SHEET FROM FILE

PAPERS ARE TO BE ATTACHED TO THE FILE





FOR LATER PAPERS SEE 554-1-30 Pt3

OR REFER TO SUBJECT INDEX 26.5.72.



554/1/30 (80)

JOINT COMCEN
CANBERRA
MAY 10 04 56.72

'72 MAY 10 4 56

V

DRR889VV QDA063WOR HH

RR RAYWPP

DE RAYROP 978 1310402

ZNY RRRRR

R 100345Z MAY 72

FM HQOC

TO DEPAIR

BT

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

? 554/1/30 (79)

DAFI

R E S T R I C T E D A794 FOLLOWING IS CONTENTS OF MESSAGE A1082 DATED 090035Z MAY 72 FM HQEDN TO HQOC PD QUOTE REPORTING OF UFO SIGHTINGS PD FURTHER OUR A1501 OF 12 APR NO REPLY YET RECEIVED FROM DAFI PD SEVERAL AIRMEN AT THIS BASE ARE ACTIVE MEMBERS OF ONE OR OTHER OF THE FLYING SAUCER QUOTE RESEARCH UNQUOTE SOCIETIES WHICH ARE COMPETING WITH EACH OTHER IN SOUTH AUSTRALIA IN SIMILAR FASHION TO TOW-TRUCK OPERATORS IN EFFORTS TO INVESTIGATE REPORTED SIGHTING PD FOR INSTANCE IT HAS COME TO NOTICE THAT ONE AIRMAN ANSWERED AN ADVERTISEMENT AND IS NOW ON LEAVE WITH AN INVESTIGATION SAFARI ON PROPERTY 90 MILES NORTH OF PORT LINCOLN PD ANOTHER AIRMAN IS PRESIDENT OF ELIZABETH SPACERS UFO SOCIETY PD AT BEST WE CAN EXPECT BELATED REPORT ON MOST OF THESE INVESTIGATIONS PD UNDUE MASS MEDIA COVERAGE IS BEING GIVEN TO ACTIVITIES PD MATTER FULLY DISCUSSED WITH DAFI VIDE EDN A1005 OF MARCH PD WOULD APPRECIATE FOLLOW UP WITH DAFI TO EXPEDITE PROMISED UPDATED UFO POLICY PD UNQUOTE PLEASE ADVISE WHEN NEW POLICY CAN BE ANTICIPATED

BT

N NNV

55A/1/30

RESTRICTED

79

JOINT COMOEN
CANBERRA
APR 12 06 55Z 72

NN NV

DRB171YDB240 FYA724 HH
RR RAYWPP
DE RAYPEC 846 1030212
ZNY RRRRR
R 120210Z APR 72
FM HQEDN
TO RAYWPP/DEI LSX DEPAIR.
INFO RAYROP/HQOC
BT

NOA Telecon Flt Lt King/Flt Lt Mirandy — new policy being formulated - will be distributed shortly DAFI 15/1/R 72

R E S T R I C T E D AI051 FOR DAFI PD SUBJECT REPORTING OF UFOS PD
HEIGHTENED PUBLIC INTEREST IN UFO PHENOMENA AND REORGANIZATION
OF UFO RESEARCH GROUPS IS STRAINING PARAMETERS FOR UFO REPORTING
IN THIS STATE PD DEPAIR 580/1/1/AIR OF 07 MAR 72
(NOT TO HQOC) INDICATED NEW POLICY ON UFOS WOULD SHORTLY BE
ISSUED PD IN VIEW OF LOCAL SITUATION REQUEST EXPEDITE UPDATED
UFO POLICY STATEMENT PD FOR HQOC OUR AI005 020345Z MAR 72
(NOT TO DEPAIR) ALSO REFERS
BT

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

RESTRICTED

MINUTE PAPER

(Write on this side only)

78

C.D.C. 1769

SUBJECT: UNIDENTIFIED FLYING OBJECTS

Sqn Ldr C. R. HICKEY

Attached are ASI and Policy directives relating to UFO's as requested in your telecon with Flg Off Gibbs earlier this week.

17 MAR 1972

RECEIVED
20 MAR 1972
DAFI

113

Copy No .....

SUPPORT COMMAND AIR STAFF INSTRUCTION NO 3/3

UN-IDENTIFIED FLYING OBJECTS - (UFOs)

INFORMATION

1. For many years, people in various countries have reported sightings of unusual objects high in the air, close to the ground or even landing on the ground. In most cases there have been valid and logical explanations for these sightings, but on some occasions the information provided has neither been sufficient nor accurate enough to firmly identify the phenomena observed.

2. The Royal Australian Air Force is responsible for investigating reports of Unidentified Flying Objects (UFOs) in AUSTRALIA and the Trust Territories, and the responsibility for the implementation of this policy has been vested in the two Commands. However, as each Command covers such a large area, it is considered that the authority best suited to investigate the initial report of a UFO is the nearest RAAF Formation or Unit where local weather conditions, natural phenomena and aircraft movements are well known.

3. This, then, is the principle on which the reporting procedure is to be based and this instruction outlines the action to be taken when a UFO report is received.

EXECUTION

4. The original purpose of the investigation of any UFO report was to determine whether or not Australian airspace has been violated and, if so, what threat was posed by this violation. However, intense public interest in unidentified flying objects, as well as the wide publicity given to reported sightings, means that investigations have to go further than security considerations would dictate, and every effort is to be made to positively identify the object sighted.

5. On receipt of a UFO report, which is usually made by telephone, the Formation or Unit Commander is to :

a. send a "Routine" precedence signal to Command Headquarters for C Intell O, and Department of Air for DAFI, giving brief details of the observation and immediate action taken;

b. appoint an officer, preferably of the General Duties Branch, to initiate inquiries and fully investigate the sighting.

6. The officer appointed to investigate the report is to :

a. Inverview the person making the report, if possible;

b. invite the person(s) to complete Part 1 of the UFO pro-forma (for example, see Annex) and obtain the maximum amount of

/information

information possible;

c. liaise with the appropriate civil authorities in order to complete the relevant portions of Part 2 of the UFO pro-forma;

d. assess the likely cause of the sighting, if possible, and sign the form.

7. In cases where remoteness of the area of observation makes a personal interview impractical, or where the Formation or Unit Commander is satisfied from the initial inquiry that nothing would be gained from such a procedure, he should arrange for Part 1 of the pro-forma to be forwarded and completed by the observer (preferably in the presence of a police officer, an officer of another Service or other responsible person) and return it to the investigating officer.

8. The Investigating Officer is to examine the report and endeavour to identify the object by liaison with regional meteorological stations, Air Traffic controllers, observatories, spacetracking stations or other organisations in the area.

9. Two copies of the completed pro-forma and Investigating Officer's report are to be forwarded to Command Headquarters (for attention C Intell O) as soon as practicable.

10. Formation or Unit Commanders are to ensure that no member, in particular the Investigating Officer, makes any statements to the press or public about any aspect of a UFO report already received, the progress of any investigation or the RAAF assessment of the probable cause. Requests for information should be directed to the Department of Air where such inquiries will be dealt with by the Directorate of Public Relations.

Victoria Barracks
MELBOURNE 3004
25 September 1968

(E.G. FYFE)
Group Captain
For Air Officer Commanding

ANNEX : A. Report of Aerial Object Observed pro-forma

RESTRICTED

Telephone 690550

Headquarters Support Command
Victoria Barracks
St Kilda Road
MELBOURNE, 3004

5/6/Air(20)

17 JUN 1969

Headquarters, RAAF Base PEARCE WA 6085
" " LAVERTON VIC 3027
" " POINT COOK VIC 3029
" " EAST SALE VIC 3852
" " WAGGA NSW 2651
Tasmanian Squadron, Air Training Corps, HOBART TAS 7000
No 7 Stores Depot RAAF NORTH DRAYTON QLD 4350
No 2 Stores Depot Det D RAAF DUBBO NSW 2830

UN-IDENTIFIED FLYING OBJECTS REPORTS

Reference: A. Our 5/6/Air(18) 18 9th June 1969

1. Department of Air advise that it has become necessary to emphasize the need for additional thought and effort to be put into Part 2 of the UFO report forms. Recent examples received have only dashes or blanks as answers to specific questions, which does not give any indication of the information obtained or sought by the investigating officer.

2. Typical faults include:-

a. No entry in the section relating to civil aircraft in the area. There was nothing to indicate that any effort had been made to find an answer.

b. No entry in the planet calculation section. Not only was Venus in the appropriate position at the time, but it was also at its greatest brilliancy.

c. Many reports have had no answers to the last three questions on the old form, which makes the entire report virtually useless. The investigating officer is the only person with enough knowledge of the situation to make an estimate of the cause, unless it has been definitely identified from answers to previous questions.

3. As you no doubt are aware, the public is becoming more and more susceptible to the UFO syndrome and, for publicity purposes, the press and radio thrive on it. This, in turn, generates questions from political quarters which require answers, sometimes at ministerial level. Unless effort is put into the original investigation, it is obvious that meaningful or credible answers cannot be supplied.

4. Investigating officers are to be advised of the Departmental requirements.

(J.P. GRANEY)
Group Captain
Senior Air Staff Officer

RESTRICTED

St Kilda Road
MELBOURNE, 3004

5/6//Air((11))

ED JUN 1969

Headquarters, RAAF Base PEARCE WA 6085
" " LAVERTON VIC 3027
" " POINT COOK VIC 3029
" " EAST SALE VIC 3852
" " WAGGA NSW 2651
Tasmanian Squadron, Air Training Corps, 8 Fitzroy Pce HOBART 7000
No 7 Stores Depot, RAAF NORTH DRAYTON QLD 4350
No 2 Stores Depot Detachment D, RAAF DUBBO NSW 2830

UN-IDENTIFIED FLYING OBJECTS
REVISED FORMAT OF REPORTS

References: A. Support Command Air Staff Instruction 3/3

B. Our 5/6/Air(10) 16th September 1968

1. The format used for Un-identified Flying Object reports has again been revised, in order to obtain slightly more scientific data for the Defence Science Section. The new form, titled "Report on Unusual Aerial Sighting", is to be used as from receipt of this letter.

2. All questions are required to be completely answered in writing; a dash conveys no information at all. On completion of the questionnaire and after full evaluation by the investigating officer, some indication of the nature of the occurrence is necessary.

3. Two copies of the completed form are to be forwarded to this Headquarters where, after preliminary examination, one copy will be forwarded to Department of Air. It should be noted that reports are to be routed through Headquarters Support Command and not sent direct to Department of Air.

4. Section 3 of Support Command Air Staff Instructions will be amended to conform to the above requirements.

(J.P. GRANEY)
Group Captain
Senior Air Staff Officer

Annex: 1. Copy of revised form

see also fol 30

RESTRICTED

RESTRICTED

FOLIO 77

DEPT. OF AIR 554-1-30 DAFI 15/10-

ROYAL AUSTRALIAN AIR FORCE

TELEPHONE: PENRITH 2331

TELEGRAPHIC ADDRESS:
"AIRCOMMAND SYDNEY"

IN REPLY QUOTE 906/46/P2(125)

HEADQUARTERS OPERATIONAL COMMAND
RAAF
PENRITH 1W NSW

28th October 1971

DAFI
Secretary
Department of Air
Russell Offices
CANBERRA ACT 2600

REPORTED PARTICIPATION OF AN RAAF OFFICER AT A SCIENTIFIC SEMINAR IN ADELAIDE - 30 OCT 71

Reference: A. HQOC AI 153 31 Mar 71

1. Attached is a photostat of an article which appeared in "The News", Adelaide on Wednesday, 6th October 1971. A spokesman for the Australian and New Zealand Association for the Advancement of Science has denied that the body has made any claim that the speakers at the symposium referred to will include an RAAF officer who has investigated sightings. Mr. Colin Norris of the so-called "The Australian Flying Saucer Research Society - Adelaide" has also stated that he has not issued such a statement to the Press at any time.

2. "The News" representative informed Edinburgh that the statement regarding RAAF participation in the symposium was passed to the paper by "the UFO authorities" and of his own volition undertook to investigate the matter further.

3. The above is advised for information.

(J.C. LUKER)
Squadron Leader
for Air Officer Commanding

Encls

RESTRICTED

RECEIVED
4
-1 NOV 1971
AIR RESEARCH
CAMBERRA

Talks on flying saucers

UFO enthusiasts from all States are enrolling for a symposium to be held in Adelaide on October 30.

The symposium, organised by the Australian and New Zealand Association for the Advancement of Science, will discuss many aspects of unidentified flying object sightings.

Speakers will include an RAAF officer who has investigated sightings.

Those wishing to attend must enrol with ANZAAS (telephone 23-3636) before October 22.

A fee of $3 will cover the day's lectures, copies of a condensed version of all papers delivered, and morning and afternoon tea.

THE NEWS, ADELAIDE
Wednesday, 6 Oct 71

RESTRICTED

554/1/30(76)

REQUESTS FOR INFORMATION ON UFOs

DPR

The recent increase in the number of requests for information regarding unidentified flying objects has meant an increased workload for both DPR and DAFI. To prevent duplication of effort in answering these enquiries, DAFI intends to prepare replies to such requests for release by DPR when completed.

(R.S. ROYSTON)
Gp Capt
DAFI

17 Oct 71

RESTRICTED

RESTRICTED

MINUTE PAPER

(This side only to be written on)

554/1/30 Pt 2(75)

Subject: UNIDENTIFIED FLYING OBJECTS

27/9/71

DPR

1. Attached is a proforma for issue to any person reporting sightings of unidentified flying objects.

2. Observers have in the past seldom been informed of subsequent investigation of their sightings and this has, no doubt, created bad publicity for the RAAF.

3. DAFI intends to reply to observers by way of the attached proforma and considers that DPR should be responsible for issuing these replies, when completed.

R S Royston

(R.S. ROYSTON)
Gp Capt
DAFI

16 Sep 71

RESTRICTED

GENERAL STATEMENT IN RELATION TO
UNIDENTIFIED FLYING OBJECTS

1. Your report on the sighting of an Unusual Flying Object (UFO) has been investigated and the object was .....
.....(investigator's report).....

2. You may be interested in the investigation of reports in Australia, the United States and the United Kingdom and the following information provides a brief outline of the subject.

3. The investigation of reports of UFOs in Australia is carried out by the Royal Australian Air Force, Directorate of Air Force Intelligence, at the Department of Air in Canberra. A considerable amount of effort is spent in investigating each report and the majority of observers are interviewed by selected RAAF personnel.

4. Between 23 January 60 and 26 May 71, the RAAF received 572 UFO reports. Department of Air has assessed that 93 percent were explainable by present scientific knowledge. Six percent of the reports did not provide sufficient information to permit proper analysis and evaluation. One percent of the reports were attributed to unknown causes.

5. The United Kingdom Air Ministry has stated that on an average, 90 percent of the sightings it investigates are explained by causes ranging from meteorological balloons and meteors to aircraft lights. The other 10 percent probably remain unexplained because of lack of reliable information.

6. In 1966 the University of Colorado, under contract to the USAF, spent two years processing and investigating all American reports. Its findings have been published by Bantam Books as 'The Condon Report'. Its general conclusion is that 'nothing has come from the study of UFOs in the past 21 years that has added to scientific knowledge' and that 'further extensive study of UFOs probably cannot be justified in the expectation that science will be advanced thereby'. A panel of eminent scientists, chosen by the US National Academy of Sciences, has examined and endorsed the Condon Report.

/7. The

7. The USAF 'Project Blue Book' investigation of unidentified aerial objects between 1953 and 1965 analysed 7,641 UFO reports. It concluded that:

a. 80 percent of sightings were natural phenomena, hoaxes, birds or man-made objects;

b. 17 percent of sightings provided insufficient data to permit thorough analysis and evaluation; and

c. three percent were unidentified.

8. US and Soviet space exploration has found no evidence to support the theory of life on planets in our solar system. It seems that the Mariner series of space exploration to Mars has proved it a 'dead' planet. The only other source of extra-terrestrial life, then, would have to be in another 'solar system'. It would seem, therefore, that whilst it may be possible for extra-terrestrial life forms to visit Earth, it is improbable.

(Subscription)

Department of RAN
Canberra
— date —

MINUTE PAPER

(This side only to be written on)

554/1/30(74)

Subject: UNIDENTIFIED FLYING OBJECTS

DAFI

DAI should release to the public but only after our agreement. We should do the work

L Knowlton
Gp Capt

(DAFI)

1. Reference folio 73.

2. In Dec 68, DAFI issued a policy letter informing HQOC and HQSC that all information on sightings of UFOs would be released by Department of Air (DPR). Rather than change this policy, it is suggested that DAFI be responsible for the statements. I see very little work involved - no more than 15 minutes per week - and the work could be done in conjunction with extraction of details for summaries.

C R Hickey

(C.R. HICKEY)
Sqn Ldr
IR(DAFI)

6 Sep 71

MINUTE PAPER

(This side only to be written on)

554/1/30(73)

Subject: Unidentified Flying Objects

DAFI

Attached. Copies of the statement should be handed to base commanders and all bases. It should be updated at appropriate & set intervals.

2 Sep 71

Last month we spoke on the issuing of a general statement to UFO observers. The attached statement is forwarded for comment.

Encl
a/s

C. C. Hickey
Sqn Ldr
IR (DAFI)

1 Sep 71

GENERAL STATEMENT IN RELATION TO
UNIDENTIFIED FLYING OBJECTS

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6. In 1966 the University of Colorado, under contract to the USAF, spent two years processing and investigating all American reports. Its findings have been published by Bantam Books as 'The Condon Report'. Its general conclusion is that 'nothing has come from the study of UFOs in the past 21 years that has added to scientific knowledge' and that 'further extensive study of UFOs probably cannot be justified in the expectation that science will be advanced thereby'. A panel of eminent scientists, chosen by the US National Academy of Sciences, has examined and endorsed the Condon Report.

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(Subscription)

Department of RAAF
Canberra
— date —

72

554/1/30

Mr. Craig Sitter,
24 Church Street, E.,
Hagersville, Ontario,
CANADA

11 - SEP 1971

Dear Sir,

Thank you for your letter of 28th June, 1971.

As regards the metallic balls mentioned in the attachment received with your letter, we have ascertained that some metallic balls were found in 1963 in the region to the north of Broken Hill, New South Wales.

These were analysed by the Australian Weapons Research Establishment. From information we have obtained from that organization, it would appear that the origin of these metallic balls has never been finally determined. However, from the evidence available, it is thought highly probable that they were part of the pressuring system of either a satellite or a satellite launcher, which made its re-entry over the Australian continent. In any case, there was no evidence that the metal analysed was of non-terrestrial origin.

You may be interested to know that part of one of these metallic balls is said to be in the possession of the Mayor of Broken Hill.

Yours faithfully,

(F.C. SUTHERLAND)
Acting Secretary

MINUTE PAPER

(This side only to be written on)

71

554/1/30(~~69~~)

Subject: UNIDENTIFIED FLYING OBJECTS

ASEIA 20/8

Attached hereto is a proposed answer to Mr Sitter.

Exec Secretariat
Ryle

R.S. Royston

(R.S. ROYSTON)
Gp Capt
DAFI

20 Aug 71

DRAFT

70

554/1/30

Mr. Craig Sitter,
24 Church Street, E.,
Hagersville, Ontario,
CANADA.

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Yours faithfully,

Dec

Draft by Flg.Off. P.D. Lucas, IR-3.

Ref cy copy DRAFT 22 Aug 71

MINUTE PAPER

(This side only to be written on)

554/1/30 69

Subject: UNIDENTIFIED FLYING OBJECTS.

Note of Action.

1. Today rang Col.E.G.Foreshew, at the Weapons Research Establishment Salisbury, South Australia (Ph. 082599), to gather more information in relation to the analyses of metallic balls (found NSW 1963,) and a piece of metal from the Sheperton incident, (date and details unknown.)

2. Col.E.G.Foreshew is or was the WRE safety officer.

3. Col. Foreshew can recall no details of the 'Sheperton Incident'. It is thought to date from the period 1953-54. However, he recalls a metal spindle which was analysed , propably in the early 1960's, and this was shown to be part of an early type of refrigerator.

4. He also recalls the analysis of metallic balls which were found to the North of Broken Hill in about 1963. The origin of these metallic balls was never finally determined. However, it is thought probable that they were part of the pressuring system of a satellite or a satellite launcher , which made its re-entry over the Australian continent. Part of one of these metallic balls is said to be in the possession of the Mayor of Broken Hill.

20 Aug 1971.

P.D.Lucas.

(P.D.LUCAS. Flg.Off. IR-3.)

DEPT. OF AIR

FOLIO 68.

24 Church St. E.,
Hagersville, Ontario,
Canada
June 28, 1971.

1. Area
2. DAFI

The Secretary,
Department of Air,
Russell Offices,
Canberra, A.C.T. 2600,
Australia.

Dear Sir:

The attached page relates the rather unusual discovery, in Australia, of three seemingly unidentified metal objects in 1963. I have been in touch with the Australian High Commission in Canada, and they referred me to this address,

I am extremely interested in learning what the outcome of any investigation into these objects has been, specifically, whether their nature and origin has been determined. Any information that you could supply in this matter would be greatly appreciated.

Thanking you in advance, I remain

Yours very truly,

Craig Sitter

Craig Sitter.

RECEIVED 6 JUL 1971 AIR RECORDS CANBERRA

DEPT. OF AIR

A
RECEIVED
6 JUL 1971
AIR REGISTRY
CANBERRA

On April 8, 1963, an Australian ranger named J. McClure brought in from the desert of New South Wales a shiny metal sphere about fourteen inches in diameter, weighing twelve pounds. It had been spotted from overhead by a plane which was crossing a part of the desert that had been shunned by human beings for at least fifty years. McClure turned his find over to the government for further investigation.

On June 28, at a point about sixty miles from the scene of McClure's discovery, another shiny metal sphere was found. Like its predecessor, it was perfectly smooth, brightly polished, and without any aperture of any kind to give access to the interior. It was about sixteen inches in diameter and weighed slightly more than eighteen pounds.

The third of these unusual spheres was picked up on July 12th, near Muloorina, New South Wales. It was about six inches in diameter, weighed seven pounds, and had one small aperture, about half an inch in diameter, which enabled investigators to ascertain that the sphere was lined with lead.

Mr. Allen Fairhall, the Australian Minister of Supply, went before the House of Representatives on April 30, 1963, to brief them on the matter. He said that Australian scientists were puzzled by the objects. He added that they had no idea what they were or where they came from. And he also stated that efforts to open the first sphere with drills and hacksaws had been futile.


RECEIVED
23 JUL 1971
C.A.S.
RECEIVED
3 AUG 1971
C.A.S.

554/1/30(67)

UNIDENTIFIED FLYING OBJECTS

S/AIR/SS

1. You spoke to me recently on the matter of unidentified flying objects (UFOs) and you mentioned that the Department of Supply may be interested in investigating this subject. This minute provides a brief historical sketch of this subject and my reaction to the proposal.

2. In June 1947, an Idaho businessman and private pilot named Kenneth Arnold publicly reported sighting a formation of disc-shaped objects near Washington. There soon followed a rash of reports of unidentified aerial objects, or 'flying saucers'. In subsequent years UFOs have been frequently reported in the USA, the UK and Australia.

3. Because of concern for national security, government authorities in these countries have attempted to investigate every report of this kind. In 1966 the University of Colorado, under contract to the USAF, spent two years processing and investigating all American reports. Its findings have been published by Bantam Books as 'The Condon Report'. Its general conclusion is that 'nothing has come from the study of UFOs in the past 21 years that has added to scientific knowledge' and that 'further extensive study of UFOs probably cannot be justified in the expectation that science will be advanced thereby' (page 1). A panel of eminent scientists, chosen by the US National Academy of Sciences, has examined and endorsed the Condon Report.

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a. 80 percent of sightings were natural phenomena, hoaxes, birds or man-made objects;

b. 17 percent of sightings provided insufficient data to permit thorough analysis and evaluation; and

c. three percent were unidentified.

5. The UK Air Ministry has stated that, on an average, 90 percent of the sightings it investigates are explained by causes ranging from meteorological balloons and meteors to aircraft lights. The other 10 percent probably remain unexplained because of lack of reliable information.

6. Between 23 Jan 60 and 26 May 71 the RAAF received 572 UFO reports (summaries enclosed). Department of Air has assessed that 93 percent were explainable by present scientific knowledge. Six percent of the reports did not provide sufficient information to permit proper analysis and evaluation. One percent of the reports were attributed to unknown causes.

7. US and Soviet space exploration has found no evidence to support the theory of life on planets in our solar system. It seems that the Mariner series of space exploration to Mars has proved it a 'dead' planet. The only other source of extra-terrestrial life, then, would have to be in another 'solar system'. It would seem, therefore, that whilst it may be possible for extra-terrestrial life forms to visit Earth, it is improbable.

/8.As

FLAG D

8. As I advised you, although I am directly concerned with any possible threat to Australian security, I am not particularly interested in the subject of UFOs, even though my directorate devotes valuable time to this problem. I accept the US assessments without question and consider that it would be a complete waste for we here in Australia to spend valuable time and money in further detailed investigations. However, should the Department of Supply wish to undertake such studies the records of this directorate would be freely available. It would have to be pointed out to Supply, however, that the RAAF could provide no additional assistance in the matter and Supply would have to undertake all facets of the further investigations.

(R.S. ROYSTON)
Gp Capt
DAFI

27 Jul 71

Enclosures:
1. Summary of Unidentified Aerial Sightings Reported to Department of Air, Canberra, ACT, from 1960.
2. Unusual Aerial Sightings, Supplement No 2.
3. Unusual Aerial Sightings, Supplement No 3.

MINUTE PAPER

(This side only to be written on)

554/1/30(66)

Subject: UNIDENTIFIED FLYING OBJECTS

EXEC O/AIR

1. Reference folio 65.

2. 80 copies of Supplement No 3 of Unusual Aerial Sightings for the period 16 May 69 to 26 May 71, have been forwarded to DPR.

(C.R. HICKEY)
Sqn Ldr
for DAFI

15 Jul 71

DPR.

Could you now send a copy to Dr Hartop, plse

16 Jul 71

Exec O/Air

No/A

Copy of UFSs forwarded on 30 July 71

PR3

DEPARTMENT OF AIR

MINUTE PAPER

(This side only to be written on)

(65)

Subject: Unidentified Flying Object Symposium

Exec O Air:

1. Reference folio 62.
2. It would appear that DPR has not previously seen the original request as the last of this folio, as the last previous marking to DPR was folio 44.
3. No updated copy of the summary of sightings has been received by DPR.

W Smither
AIDPR

8 Jul 71.

DAFI

Do you yet have an up to date summary available for Dr Horton? After the TV programme this week and the announcement that the RAAF is responsible for investigation of UFO sightings you will probably have a few more requests for info

9 Jul 71

Exec O Air



(64)

DEPARTMENT OF AIR

MINUTE PAPER

554/1/30(64)

(This side only to be written on)

Subject: FILING - UFO MATTERS

OIC ~~Registry~~ Kluer 7/7/71

1. Reference folio 63.

2. I don't know how many files exist on UFOs, but clearly there should be three files - one defining policy, one dealing with correspondence from individuals and organisations and one for UFO sighting reports. Perhaps we should close existing files and start afresh. If you agree I would suggest that all files be held by DAFI. Appropriate correspondence would be transferred from closed to the new files by DAFI.

CR Hickey
(C.R. HICKEY)
Sqn Ldr
IR(DAFI)

~~15~~ Jun 71

~~IR(DAFI)~~ agree. CR Hickey 15 Jul. 71

1. Presently only two files exist on UFO's; 580-1-1 (UFO SIGHTING REPORTS) and this file. All we need do to rectify the filing problem is to raise a new file called "CORRESPONDENCE FROM INDIVIDUALS AND ORGANIZATIONS RE UFO's" and retain this file purely for "policy" matters and 580-1-1 for UFO sightings.

2. Please advise if you agree.

Klaus Popp
21c Registry

7 Jul 71

DEPARTMENT OF AIR

MINUTE PAPER

63

554-1-30 Pt 2.

(This side only to be written on)

St. 4117

Subject: FILING - UFO MATTERS

DAFI

1. It appears that this file is being used for 'policy and action' material, and that some of the papers would be more appropriately filed on 580-1-1.

2. In this regard, would you please examine this file and advise what remedial action, if any, should be taken. If all the papers on this file are to remain it will be necessary to change the title to read something like, "INVESTIGATIONS INTO FLYING SAUCERS, POLICY AND ACTION".

3. Forwarded for your advice.

Klaus Pöpp

23 Jun 71

21c Registry (2489)

61

17 JUN 1971

554/1/30 Pt 2

Dr. B.H. Horton,
A.N.Z.A.A.S.,
Martin Buildings,
141 Rundle Street,
ADELAIDE, S.A. 5000

Dear Sir,

UNIDENTIFIED FLYING OBJECT SYMPOSIUM

It is regretted that it will not be possible for a member of the Department of Air to attend the symposium on the topic of 'The Unidentified Flying Object Problem' to be held on 30th October, 1971. It is hoped, however, that the following information may be useful to your society during discussions.

There is no evidence that U.F.O.s have landed in Australia or, in fact, anywhere on earth. Naturally, however, the Department of Air is concerned with any possible threat to Australian security and in that context all reported sightings of U.F.O.s are investigated by R.A.A.F. officers. When a sighting is reported to the R.A.A.F. an officer from the nearest R.A.A.F. unit interviews the person making the report. The interviewing officer records all pertinent details on a proforma which is subsequently forwarded to the Department of Air where it is processed and summarised. Summaries are held by the Director of Public Relations who will provide them to members of the public on request. The summary of sightings is at present being brought up to date, and a copy will be forwarded to you within the next few weeks.

You may or may not be aware that the United States until late 1969 had a team of scientists investigating the possible presence of U.F.O.s in the American region. Under the direction of Dr. Edward Condon, the University of Colorado carried out an exhaustive study. Their report concluded that little if anything had come from the study of U.F.O. reports over a period of 20 years and that further extensive study was not justified. The findings of this investigation were published by Bantam books in a paperback titled 'The Condon Report'.

Attached hereto for your use is a summary of an address given by Mr. B.J. Roberts, a member of the Department of Air, to the Ballarat Astronomical Society at Ballarat in 1965. It is hoped that it will be of value in your discussions.

Yours faithfully,

DPR. Has an up to date copy been sent yet?
7 Jul 71

Bruce O'Brien

(P.J. GREEN)
Secretary

DPR.
Would you please ensure that an up to date summary is forwarded to Dr Horton.

16/17 June 71.

Bruce O'Brien

(46)
61

554/1/30 Pt 2

Dr. B.H. Horton,
A.N.Z.A.A.S.,
Martin Buildings,
141 Rundle Street,
ADELAIDE, S.A.

Dear Sir,

UNIDENTIFIED FLYING OBJECT SYMPOSIUM

It is regretted that it will not be possible for a member of the Department of Air to attend the symposium on the topic of 'The Unidentified Flying Object Problem' to be held on 30th October, 1971. It is hoped, however, that the following information may be useful to your society during discussions.

There is no evidence that U.F.O.s have landed in Australia or, in fact, anywhere on earth. Naturally, however, the Department of Air is concerned with any possible threat to Australian security and in that context all reported sightings of U.F.O.s are investigated by R.A.A.F. officers. When a sighting is reported to the R.A.A.F. an officer from the nearest R.A.A.F. unit interviews the person making the report. The interviewing officer records all pertinent details on a proforma which is subsequently forwarded to the Department of Air where it is processed and summarised. Summaries are held by the Director of Public Relations who will provide them to members of the public on request.

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Attached hereto for your use is a summary of an address given by Mr. B.J. Roberts, a member of the Department of Air, to the Ballarat Astronomical Society at Ballarat in 1965. It is hoped that it will be of value in your discussions.

Yours faithfully,

(F. J. GREEN)
Secretary

LAC
CPL Croft
DOPS
11 Jun 71

MINUTE PAPER

(This side only to be written on)

554/1/30

Subject: UNIDENTIFIED FLYING OBJECTS

DAFI

Please see protest
folio 96.
9 Jun 71

1. I agree that a member of this Department should not attend this symposium. I also consider that the suggestion by S Air SS as a footnote to folio 44, that a description of our method of processing reports be provided in lieu of a speaker, should be adopted. We might also include reference to our interest in unidentified flying objects and the limit of this interest. A reference to the Condon report would also be appropriate.

2. Would you prepare an appropriate paper for forwarding to the Association in due course. If you agree I will inform the Association accordingly.

26 May 71

A Sec A

MINUTE PAPER

(This side only to be written on)

554/1/30(44) 44/59.

Subject: UNIDENTIFIED FLYING OBJECTS

DPR

1. Reference folio 43. It is suggested that you might reply advising the Committee of the South Australian Division of ANZAAS that it would not be possible for a member of this department to attend the symposium on 30 Oct 71 to discuss 'The Unidentified Flying Object Problem'.

2. It is suggested that you might forward to Dr Horton a copy of the Summary of Unidentified Sightings that you hold in your directorate.

R.S. Royston

(R.S. ROYSTON)
Gp Capt
DAFI

11 May 71

A Sec A

DAFI has recommended that no member be made available to attend the above mentioned Symposium. but I do not know what attitude the Committee will take. The attached address is for B. G. Roberts Esq. Secretary of the Committee. could be sent as a useful contribution. Re ANZAAS body is a reputable one

G. 9 Sqn DPR 12/5

A Sec A

Horton wants a description of our method of processing reports. I see no reason why that should not be provided in lieu of a speaker

RB Savill 18 May

AUSTRALIAN AND NEW ZEALAND ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE INC.
SOUTH AUSTRALIAN DIVISION —established as a Committee 1888, as a Division in 1969 and incorporated as ANZAAS—SA in 1970.
Telephone: 23 3636 Telegrams: AUSTSCIENCE—ADELAIDE

DEPT OF AIR
554-1-30
43
58

OFFICERS & EXECUTIVE COMMITTEE:
CHAIRMAN:
Dr. R. J. Best
VICE-CHAIRMAN:
Dr. S. I. Evans
HON. SECRETARY:
Mr. W. B. Taylor
MEMBERS:
Mr. A. T. Beech
Dr. B. H. Horton
Dr. D. G. McCoy
Dr. J. R. Sabine

ANZAAS-SA INC
Martin Buildings
141 Rundle Street
ADELAIDE
SOUTH AUSTRALIA 5000

16/4/71

F 38 refers to this

The Secretary,
Department of Air,
CANBERRA A.C.T.. 2600

1. A... 29/4
2. DAFI

Dear Sir,

The Committee of the South Australian Division of ANZAAS is convening a one day symposium on the topic of " The Unidentified Flying Object Problem".

It is our feeling that there is a certain amount of unhealthy speculation on this subject which tends towards belief in obstruction by scientists and officials and an almost religious attitude.

Our aim is to look at the field and include the hypothesis that these phenomena are related to extra terrestrial life forms and examine this from a number of scientific view points.

As an introduction a representative of a U.F.O. organisation will speak. We then hope that a spokesman for the Department of Air would explain the processing of reports. This approach would repute, in the eyes of the public, the idea of deliberate suppression by officials of such reports.

I would be grateful if you could arrange for a member of your department to address our symposium on this topic. The period of the talk would be 25 minutes with the option of joining a panel to discuss audience questions at the end of the day. The date of the symposium is the 30th October, 1971.

2..

CWK

AUSTRALIAN AND NEW ZEALAND ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE INC.

PATRON–IN–CHIEF: His Excellency, Sir Paul Hasluck Governor General of The Commonwealth of Australia

SOUTH AUSTRALIAN DIVISION — ANZAAS–SA INC:

PATRON FOR SOUTH AUSTRALIA: Professor A. A. Abbie

REPRESENTATIVE OF THE DIVISION: Dr. R. J. Best

MEMBERS OF THE DIVISIONAL COMMITTEE:

Officers and members of the Executive Committee

Professor G. M. Badger Vice-Chancellor of The University of Adelaide

Mr. K. Belchamber Premier's Department

Mr. D. Cockerham Director Laubman & Pank Pty. Ltd., and President Aust. Optometric Assoc. (S.A. Div.)

Professor H. H. Davis Dept. of Mechanical Engineering The University of Adelaide

Dr. S. J. Edmonds Reader in Zoology The University of Adelaide

Dr. Earle Hackett Deputy Director Institute of Medical & Veterinary Science

Mr. A. W. Jones Director General of Education

Dr. N. Ludbrook S.A. Dept. of Mines

Mr. H. J. Lee C.S.I.R.O. Division of Nutritional Biochemistry

Professor W. V. Macfarlane Dept. of Animal Physiology Waite Agricultural Research Institute

Dr. P. Miles Reader in Entomology Waite Agricultural Research Institute

Dr. W. Roman Chief Queen Victoria Hospital Laboratory

Professor E. A. Rudd Consulting Economic Geologist and Company Director

Mr. B. G. Stephens Manager and Secretary Wine and Brandy Producers Association

Mr. G Sved Reader in Civil Engineering and Dean of the Faculty of Engineering The University of Adelaide

Mr. A. J. Whitelaw Asst. Superintendent of Primary Schools S.A. Dept. of Education

Dr. M. Williams Senior Lecturer Geography Dept. The University of Adelaide



I am enclosing a first draft of a program for the symposium for your information.

Trusting you can assist us in this venture.

Yours sincerely,

(Dr.) B.H.Horton,
Convener, ANZAAS Symposium.

enc.

BHH/RE.

AUSTRALIAN AND NEW ZEALAND ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE INC.
SOUTH AUSTRALIAN DIVISION —established as a Committee 1888, as a Division in 1969 and incorporated as ANZAAS—SA in 1970.
Telephone: 23 3636 Telegrams: AUSTSCIENCE—ADELAIDE

During a recent discussion program with listeners participation on a commerical radio station in Adelaide , the station switch board was jammed one minute after opening and remained so for the one hour duration of the program.

The topic discussed, which produced such interest, was Unidentified Flying Objects. The listeners contributions ranged from a personal report of sighting to statements of disbelief. Explanations of the sightings by a physicist on the program in terms of physical phenomena were more educated guesses than sound science. The basic reason for this is that few persons with scientific training are willing to consider the problem seriously, thus when the topic is discussed with the public, which is definitely interested, scientists appear unknowing and disinterested.

The Committee of the South Australian Division of ANZAAS felt that such an image does very little for the scientific community and, in accord with the general aims of ANZAAS, has decided to convene a one day symposium titled " The Unidentified Flying Object Problem ", to be held in Adelaide on October 30th 1971.

The form planned for the symposium is as follows.

(a) A statement of reported sightings by a senior member of the " Flying Saucer Research Group".

(b) A coverage of the treatment of such reports by official bodies given by a responsible member of such an organisation.

(c) A reasonably detailed discussion of the various physical phenomena usually described loosely by non specialists in a number of published explanations.

(d) In view of a largely held belief UFO's are extra terrestrial observers examinations of this hypothesis should be considered. The first topic suggested is a study of compatibility of the form of sightings with known satellite observation techniques and forseeable developments in this field.

(e) If UFO's are extra terrestrial, where is their place of origin ? What are the chances of there being other planetary systems in the galaxy : e.g. are there theories relating to the angular momentum of stars and the possible existence of planets. What range of radiation fields, temperature conditions atmospheres could be expected.

(f) If other planetary systems exist what conditions would support molecular structures of the complexity necessary for a sentient being capable of constructing surveillence vehicles. What atoms have properties capable of forming complex molecules. Are there example of such structures. What is probable form of an extra terrestrial being ? How long would it take to develop ? Is there a limit to the period that such a species would remain viable.

(σ) Given hypothetical distributions of possible planetary systems in the Galaxy and hypothetical development and stable periods for a species what are the chances of space-time coincidence of two space capable technologies with forseeable and conceptually possible transport systems.

(h) A final paper by a recognised scientist who regards the whole problem as real and worthy of serious attention by the scientific community in view of the observational material available and the often undermanned investigation of this material.

(i) A period in which some or all the speakers form a panel to comment on points brought out in audience participation discussion.

..... 19/4/71

MINUTE PAPER

(This side only to be written on)

554/1/30(57)

Subject: UNIDENTIFIED FLYING OBJECTS

DPR(PR2)

1. Attached is a letter from Mr Little asking for information on flying saucers.

2. It would be appreciated if you could reply to this query - a probable answer can be found at folio 14 - and also supply him with a copy of all reported sightings.

41.

(C.R. HICKEY)
Sqn Ldr
for DAFI

4 May 71

N of A
Sent UFO Evaluation Feb 65.
Summary - Aerial Sightings from 1960
Usual aerial sightings - Sup. No. 2.
with public relations compliments slip.

5 MAY 71

1. DAFI
2. DPR

DEPT. OF A
IR DPR
554-1-30
23 APR 1971

51

The Secretary ,
The Department of AIR .,
Russell Buildings ,
Canberra , ACT. 2600 .

Garry Little .,
32 Tobruk Crecsent ,
Nth.Williamstown ,
VICTORIA , 3016 .

Dear Sir ,

I am greatly interested in the subject of UFO's (Flying Saucers) , and i would very much appreciate as much information on the subject as you could possibly supply me with.?

Also would it be possible for you ~~x~~ to state the official policy (current) on the subject of flying saucers (UFO's) please ?

Trusting that i have not troubled you too much with my ~~req~~ reguest for info. ? Hoping for a quick reply.

Yours Truely,
G Little
(GARRY LITTLE)

P.S. Is the subject of UFO's Classified ? If so to which grading ?

RECEIVED
27 APL 1971
AIR REGISTRY
CANBERRA

(56)

5/15/Air

OPERATIONAL COMMAND

AIR STAFF INSTRUCTION NO 3/A/5

INTELLIGENCE - REPORTS ON UNUSUAL AERIAL SIGHTINGS

INFORMATION

1. Many persons throughout the world have reported seeing unusual objects in the air; these are referred to as unusual aerial sightings (more generally referred to as unidentified flying objects (UFOs)). Careful investigation of reports received by intelligence authorities in the UNITED KINGDOM, AUSTRALIA, and the UNITED STATED has shown that most of the incidents can be positively attributed to definite causes. However no explanation has been found for some of the unusual aerial sightings.

2. The Royal Australian Air Force has been made responsible for the investigation of reports on unusual aerial sightings in AUSTRALIA and her Trust Territories because it is considered that the authority best suited to investigate a UFO is the nearest RAAF Base (except in the case of reports in WESTERN AUSTRALIA above latitude 23° South, excluding NORTH WEST CAPE, when RAAF Base DARWIN is to investigate), where weather conditions, natural phenomena and aircraft movements are well known. The main purpose of such an investigation is to establish if the subject of any report poses a threat to the security of AUSTRALIA. To determine whether a threat might exist (from a [illegible] unknown and unidentified source) requires that all reports of unusual aerial sightings which can be positively identified are first eliminated and that the remainder receive the most careful examination and appraisal.

3. This instruction outlines the action to be taken when reports are made about unusual aerial sightings.

EXECUTION

4. Persons who sight unusual aerial objects report the incident to some authority (eg, the police, the RAAF, civil aviation agencies, the press): the report is usually by telephone.

5. Commanders are to ensure that when any person makes such a report to a RAAF unit:

a. an officer obtains the leading particulars about the sighting (including name and address of observer);

b. an intelligence signal giving these particulars (and the cause of the sighting if it is definitely known) is immediately dispatched to the Department of Air and Headquarters Operational Command;

c. an officer interviews the observer so as to obtain the maximum amount of first-hand information;

d. that this officer completes Part 1 of the form at the Annex; (handwriting is acceptable);

e. an officer makes a full local evaluation of the incident, and completes Part 2 of the form at the Annex; (handwriting is acceptable); and

f. two copies of the form are dispatched to Headquarters Operational Command (within 48 hours of receiving the report if at all feasible). A covering letter is not necessary.

6. The above procedure is also applicable to sightings which are not reported directly to a RAAF unit; when such incidents become known, the nearest RAAF unit is responsible for taking the action outlined at paragraph 5.

7. If the observer is remote from the RAAF unit, or if the initial report clearly suggests that little would be gained by compliance with sub-paras 5.c and d. commanders should endeavour to arrange for some responsible local person (eg, a police officer or member of the other Services) to complete Part 1 of the form.

8. Commanders are to ensure that no member makes any statement to the press or the public about any aspect of an unusual aerial sighting report received, the progress of any investigation or the RAAF assessment of the cause. Persons requesting information should be referred to the Department of Air, Directorate of Public Relations.

Annex: A. Intelligence - Report of Aerial Object Observed

A/L 28
AST 3/A/5
1 Apr 70

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 ..... Age .....
2. Address of observer .....
   ..... Phone.....
3. Occupation of observer .....
4. Date and time of start of observation .....
   How certain is the date? .....
   How accurate is the time of start .....
5. Duration of observation .....
   How accurate is your estimate? .....
6. Observer's location at time of sighting.....
   .....
   How familiar is observer with this locality?.....
   .....
7. Weather conditions at time of observation.....
   .....
8. Describe any aids/equipment used in the observation
   .....
9. Where was object first observed? :
   (a) Relative to your surroundings .....
   .....
   (b) Angle of elevation .....
   (c) compass angle bearing .....
   (d) 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? .....

(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, 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 witnesses 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 .....

A/L 28
ASI 3/A/5
Annex A
1 Apr 70

DEPT. OF AIR
554-1-30
~~551-8-44~~
~~580-1-1~~
PRD. DAGI 24 9-70

FOLIO 55

DEPARTMENT OF EXTERNAL AFFAIRS,
CANBERRA.

7th October, 1970.

In reply quote No. 551/8/44

The Secretary,
Department of Air,
CANBERRA. A.C.T.

ASec A 9/10

pR-1

DRFT

QUESTIONNAIRE ON UNIDENTIFIED FLYING OBJECTS.

52

I refer to our memorandum 551/8/44 of 7th September, enclosing copy of memorandum no. 268 (16.1.1.) of 21st August, from the Australian Embassy, Buenos Aires on the above subject.

Your advice on the present position in this matter would be appreciated please.

Action completed
Filing only required
9/10

Ellestan J Dusting.
(Ellestan J. Dusting).
for the Secretary.

No attach. recd
Screen
8/10/70

REC'D. 9 OCT 1970 C.A.S.

REC'D.
8 OCT 1970
AIR REGISTRY
CANBERRA

(54)

554/1/30 (2)

12 OCT 1970

The Secretary
Department of External Affairs
CANBERRA ACT 2600

QUESTIONNAIRE ON UNIDENTIFIED FLYING OBJECTS

F52

References: A. Your 551/8/44 of 7th September 1970

F521

B. Australian Embassy, Buenos Aires memo 268(16.1.1) 21st August 1970

F53 Att 1

1. Attached as requested by Reference A above is a copy of the Royal Australian Air Force Questionnaire used for the reporting and investigating of unusual aerial sightings for onforwarding the Australian Embassy at Buenos Aires.

2. When a sighting is reported to the authorities the nearest Air Force Base sends copies of the questionnaires to the persons concerned. If practicable an Air Force Officer interviews these persons and helps the observers complete part one of the questionnaire. When Part One has been completed and returned the investigating officer completes Part Two.

3. The complete Questionnaire is forwarded to the Department of Air where it is processed and summarised and a possible course of action determined. The forms are then filed and a summary of the information is passed to the Public Relations Officer of this Department from where it is freely available to the public.

(F. J. GREEN)
Secretary

FILE EXAMINED
DATE 12 OCT 1970

(53)

554/1/30(53)

UNIDENTIFIED FLYING OBJECT QUESTIONNAIRE

A Sec A

1. Attached is a copy of the RAAF questionnaire used for reporting and investigating unusual aerial sightings as requested by the Australian Embassy Buenos Aires.

2. When a sighting is reported to the authorities, the nearest air force base sends copies of the questionnaires to the persons concerned. If practicable an air force officer interviews these persons and helps to fill out part one of the questionnaire. When part one has been completed and returned, the investigating officer completes part two and then forwards the questionnaire to the Department of Air.

3. At Department of Air the forms are processed, the information summarized, and a possible cause decided on. The forms are then filed, while the summary of information is passed to the RAAF Public Relations Office from where it is made freely available to the public. A list of the summaries is attached.

(R.S. ROYSTON)
Gp Capt
DAFI

22 Sep 70

RESTRICTED

53 Att 1

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.....Age.....
2. Address of observer.....
.....Phone.....
3. Occupation of observer.....
4. Date and time of start of observation.....
How certain is the date?.....
How accurate is the time of start?.....
5. Duration of observation.....
How accurate is your estimate?.....
6. Observer's location at time of sighting.....
.....
How familiar is observer with this locality?.....
7. Weather conditions at time of observation.....
.....
8. Describe any aids/equipment used in the observation.....
.....
9. Where was object first observed:
(a) Relative to your surroundings.....
.....
(b) angle of elevation.....
(c) compass angle bearing.....
(d) how accurate are those estimates.....
10. What first attracted observer's attention?.....
.....
11. If there was more than one light/object:
(a) how many were there?.....
(b) in what formation were they?.....
12. What was the colour of the light or object?.....

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).....

.....

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:

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

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

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

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

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

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

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

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

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

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

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

* Give location of nearest ATD or ATA.

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

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

.....

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

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

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

General wind profile.....

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

Was it know to have burst?.....

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

38. Any remarks on satellites, rockets, research balloons, 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)

.....

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

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

53 ATT. 2.

FOR PAGES 1-21 incl.

SEE Folio 30 ATT. 1.

Date of Sighting	Brief Description of Aerial Sighting	Possible Cause
13 Nov 68	Time 1220 hrs. Duration 53 minutes. Radar contact tracked by automatic radar. Travelled towards RAAF Darwin, NT and then veered S.W. at 17-25 kts. No visual sighting.	Flock of birds
25 Nov 68	Object embedded in ground at Normanton, Qld.	Part of Satellite
26 Nov 68	Time 2030 hrs. Duration 5-10 minutes. Luminous pink sphere moving east then S.E. Surrounded by aura of red and green at Coburg, Vic.	Met balloon
30 Nov 68	Time 2200 hrs. Duration 4-5 minutes. Large deep yellow light moved slowly and intermittently towards observer then veered south at Evandale, Tas.	Mat balloon
About 11 Aug 68	Time about 1415 hrs. Duration unknown. Silver object, photographed, but very indistinct blur only at Taree, NSW.	Falsified photograph
4 Nov 68 to 30 Dec 68	Noises at verying times but in defined patterns, travelling 140°/320° & reverse at Telefomen at Balmain, TPNG	Aircraft
6 Dec 68	Time Approx. 2000 hrs. Duration 8-10 minutes. Bright yellow light with tail, W to E, speed similar to jet aircraft at Swansea, NSW.	Space debris
7 Dec 68	Time approx. 1940 hrs. Duration approx 3-4 minutes Bright light with V tail Azimuth 70° in 3 to 4 minutes, W to E in straight path at Stanthorpe, Qld.	Satellite or rocket case on re-entry
7 Dec 68	Time 1940 hrs. Duration unknown. Bright dot with long tail travelling W to E, no sound at Stanthorpe, Qld.	Meteorite
11 Dec 68	Two reports - one at 1945 for one second and one at 2004 for 15 seconds. Both bright-ball explosions similar to flare, leaving persistant smoke trail at Melbourne, Vic.	Meteorite shower
11 Dec 68	Time 2015 hrs. Duration approx 30 seconds. Weather clear moonless, large orange round light 200-300 ft above ground, E to W, silent, slow speed at Newcastle, NSW.	Balloon
26 Dec 68	Time 2105 hrs. Duration 10 seconds 4/8 low cloud. Two bright circular lights on parallel course. 70° elevation above horizon at 2000' - 4000'. NE to SW at Manly Vale, NSW.	Aircraft
26 Dec 68	Time 2105 hrs. Duration 10 seconds. Two bright circular lights approaching from NE at 70° elevation. Appeared faster than commercial jet at Manly, NSW.	Aircraft
27 Dec 68	Time 2030 hrs. Duration 1hr, 20 minutes, weather clear, dark cloud to S. Spherical brilliant-lit object moving slowly N to S.	Comet

The foregoing summary of information prepared in the public interest, includes the final assessment of each sighting reached by Department of Air, CANBERRA, and it is regretted that no further correspondence can be undertaken on this subject.

Date of Sighting	Brief Description of Aerial sighting	Possible Cause
27 Dec 68	Time 0603 hrs. Duration 2-3 minutes. Weather fine. Star-like light moving slowly in curved path at Launceston, Tas.	Satellite
29 Dec 68	14 reports 0008 to 0020 hrs. Duration varying. Lights in formation. Very high, travelling NE at Melbourne/Tasmania area.	Meteorite shower
29 Dec 68	Time midnight to 0015 hrs. Three reported sightings. Group of yellowish objects with bright tails travelling in N to NE direction. No sound or means of propulsion at Melbourne, Vic.	Meteorite shower
2 Jan 69	Time 2145-2200 hrs. Duration 15 minutes, weather fine. Light object moving to S at Mildura, SA	Pageos I Satellite
18 Jan 69	U.F.O. sighting by crew of commercial airliner between Singapore & Darwin.	Being investigated
18 Jan 69	Time 2345 hrs. Duration 5-10 minutes, sky clear. Commercial airline pilots at 35,000' saw slowly decending light, changing white to yellow from level to 2° below aircraft 260° to 265° Between Singapore and Darwin.	Saturn
20 Jan 69	Time about 2020 hrs. Duration 2 minutes, weather clear. Cigar-shaped object separating from circular silver object. Flashing red light at Artarmon, NSW.	Aircraft
31 Jan 69 to 8 Feb 69	Times 0300 hrs 31 Jan, 1300 hrs 8 Feb. Noise heard by natives at West Sepik TPNG.	Aircraft
1 Feb 69	Time 2245 hrs. Duration 30 minutes, weather clear. Star-like object, stationary, then moved very high, very fast to S at Melbourne, Vic.	Combination of Echo II and star
3 Feb 69	Time 2145 hrs. Duration 10 seconds, weather clear. Roaring wing shaped object, S to N at Marion, SA	Aircraft
4 Feb 69	Time 2200 hrs. Duration 5-7 minutes, weather clear Noise from cigar shaped object with lights at Mitchell Park, SA.	Aircraft
5 Feb 69	Time 2350 hrs. Duration 2-3 minutes, weather clear. Like satellite at Melbourne, Vic.	Echo II
5 Feb 69	Time unknown. Duration 1 hr, bright light size of medium star, moving about. Observer, a member of U.F.O. organisation then went to sleep. At 40 miles NE of Hawker, SA.	Insufficient evidence
6 Feb 69	Time 2030 hrs. Duration 5 seconds, weather clear. Solid object, cigar shaped with red and white lights travelling SW to NE at Forrestville, SA.	Aircraft
9 Feb 69	Time 1500 hrs. Duration 3 hrs plus. White spherical object 45° above horizon moving very slowly N to S then W at Wulkaraka, Qld.	Venus

The foregoing summary of information prepared in the public interest, includes the final assessment of each sighting reached by Department of Air, CANBERRA, and it is regretted that no further correspondence can be undertaken on this subject.

Date of Sighting	Brief Description of Aerial Sighting	Possible Cause
12 Feb 69	Time 2015 hrs. Duration 5-10 minutes, weather cloudy. Two objects, one bright green and one flashing. At Melbourne, Vic.	Aircraft
15 Feb 69	Time 2045 hrs. Duration 5-10 minutes, weather fine. Big bright star, moving NW to SE at Bondi, NSW.	Echo II Satellite
17 Feb 69	Time 0250 hrs. Duration 25 minutes, weather clear moonless. Observer attracted by noise then saw solid object and humanoid form walking around and heard morse code, at Flinders Park, SA.	Investigation has found no supporting evidence.
18 Feb 69	Time 2005 hrs. Duration 25 minutes, weather clear. An object with changing red to white light occasionally stopped, moved S to N. Viewed from moving car at Melbourne, Vic.	Aircraft
21 Feb 69	Time 2125/2130 hrs. Duration 1½ seconds, weather slight overcast. Ligh moving quickly at Melbourne, Vic.	Meteorite
23 Feb 69	Time 2030 hrs. Duration 30 minutes, weather becoming cloudy. Three objects, one brilliant white. At Melbourne, Vic.	Combination of Echo II and aircraft.
23 Feb 69	Circle of "scorched" grass, burnt and squashed toadstools, at Kyogle, NSW.	Toadstool "Ring Phenomenona"
23 Feb 69	Time unknown. Duration a matter of seconds. Very bright star moving E then SE at Wallsend, NSW.	Insufficient evidence, probable satellite
27 Feb 69	Time 0350 hrs. Duration 10 minutes, ministy rain. Noise similar to aircraft, moving W at Aitape, TPNG.	Aircraft
5 Mar 69	Time about 0915 hrs. Duration 15 seconds, cloudy. Burning object, red/orange, moving N to W with trail of smoke at Maryville, NSW.	Meteor
7 Mar 69	Time 2046 hrs. Duration 2 minutes, cloudy but clear. Brilliant yellow light, appeared like aircraft landing light, at Darwin, NT.	Moon "halo" phenomenon, reflected on low cloud.
11 Mar 69	Time 2100 hrs. Duration 2-3 minutes, cloudy but clear. Yellow lights in formation, quite high at Darwin, NT.	Moon "halo" effect
16 Mar 69	Unidentified aircraft heard by natives at 1030 hrs on 9th & 16th Mar., at Gansopa, TPNG.	RAAF aircraft
17 Mar 69	Time 1925 hrs. Duration 3 minutes, weather fine. Moving light, changing red to orange and moving W to E at Launceston, Tas.	Satellite

The foregoing summary of information prepared in the public interest, includes the final assessment of each sighting reached by Department of Air, CANBERRA, and it is regretted that no further correspondence can be undertaken on this subject.

Date of Sighting	Brief Description of Aerial Sighting	Possible Cause
24 Mar 69	Time 0920 hrs. Duration approx 3 seconds, clear sky. Very bright light with tail, altitude 35°-40° at Mount Hutton, NSW.	Insufficient evidence
25 Mar 69	Time 2015 hrs. Duration unknown, weather unknown. Red light accompanied by clicking sound circuiting Eagle Farm at Hendra, Qld.	Aircraft
25 Mar 69	Time 2015 hrs. Duration 15 minutes, $\frac{3}{8}$ cloud. Red light on oval shaped object sighted from Eagle Farm, Qld.	Aircraft
28 Mar 69	Time 0505 hrs. Duration 3 minutes, clear sky. Moving lights, 25°-30° altitude, speed of 45° in 3 minutes, at Anna Bay, NSW.	Satellite
4 Apr 69	Time 1920 hrs. Duration 4 minutes, green ball moving quickly, viewed through car window at Southport, Qld.	Re-entry of space debris
	FOLLOWING SIGHTINGS NOT IN CHRONOLOGICAL ORDER	
31 Jan 69	Time 0300 hrs. Aircraft over border area at Vanimo N.G.	Aircraft
8 Feb 69	Time 1300 hrs. Aircraft over border area at Vanimo N.G.	Aircraft
12 Mar 69	Time 2010 hrs. Duration 5 mins. Patchy rain. A red ball twice the size of a star moving slowly at Townsville, Qld.	Venus setting
21 Mar (Approx.)	Time Evening. Duration 7-8 minutes. Strange object moving in sky. Photographed at Kalgoorlie, WA.	Lens Flare in Camera
28 Mar 69	Time 2041 hrs. Duration 25 minutes. Broken cloud, moving flashing lights at Launceston, Tas.	Satellite viewed thru atmospheric haze
31 Mar 69	Time 0415 hrs. Duration 1-2 secs. Bright flash and car stopped.	Electrical short in car ignition system
13 Apr 69	Time 2115 hrs. Duration 20 minutes. Fine clear night. Two observers. One states light moving from S.E., other states light moving from N.E. at Melbourne, Vic.	Incomplete data
21 Apr 69	Time 1925 hrs. Duration 3 seconds. Clear sky. Light "dropping" in sky at Hobart, Tas.	Meteorite or space junk re-entry
22 Apr 69	Time 1919 hrs. Duration 4 seconds. Patchy cloud. Moving light seen by two pilots in same aircraft, but descriptions vary in colour and direction over Bass Strait.	Re-entry of meteorite or space junk

The foregoing summary of information prepared in the public interest, includes the final assessment of each sighting reached by Department of Air, CANBERRA, and it is regretted that no further correspondence can be undertaken on this subject.

Date of Sighting	Brief Description of Aerial Sighting	Possible Cause
24 Apr 69	Time about 2130 hrs. Duration unknown. Repeated pattern of red and green lights at Richmond, NSW	Aircraft
5 May 69	Time 2000 hrs. Duration 30 minutes. Clear sky. Bright light oscillating in sky.	Star Antares
6 May 69	Time 0515 hrs. Duration 30 minutes. Clear sky. Bright light stationary overhead, at Brisbane, Qld.	Venus
10 May 69	Time 0025/30 hrs. Duration 6 seconds. Lights moving very fast at 30° altitude at Hazlewood Park, SA.	Meteorite shower
10 May 69	Time 1735 hrs. Duration 10-12 seconds. Bright light like aircraft landing light at Gold Coast, Qld.	Saturn
10 May 69	Time 2345 hrs. Duration approx 30 seconds. Windy & overcast. Slow moving light descending vertically at Melbourne, Vic.	Fireworks
13 May 69	Time approx 1000 hrs. Duration about 3 minutes. Clear sky. Vapour trail and dull silver object manoeuvering in sky, at Freemantle, WA.	Aircraft
13 May 69	Time 2030 hrs. Duration 30 seconds. Two very bright discs, blue white, moving E at Brisbane, Qld.	Aircraft
13 May 69	Time 1920 hrs. Duration 1 minute. Dull shadow like Japanese lantern against shreet lights. Viewed through closed car window at Greenacre, NSW.	Optical illusion
15 May 69	Time 1900 hrs. Duration 8 minutes. Clear night. Red lights changing to white every 5 seconds, one moving south, one rising "vertically" at Clackline, WA.	Aircraft
16 May 69	Time 0430 hrs. Duration 20 minutes. Bright white light rising over horizon at Surfers Paradise, Qld.	Venus rising
17 & 18 May 69	Time 0400 hrs. Duration 4 hours. Bright light, crescent shaped when viewed through telescope at Deniliquin, NSW.	Venus
20 May 69	Time 0910 hrs. Duration less than 5 minutes. Clear sky. Brilliant white object moving slowly, high in the sky at Perth, WA.	Venus
23 May 69	Time 0100 hrs. Duration a few minutes. Light frost. Object lifted off lawn. Seen through frosted glass window and burn marks on lawn.	Practical joke
23 May 69	Time 0745 hrs. Duration approx 1 minute. Scattered clouds. Bright white light moving in sky at Perth WA.	Sunlight reflected off aircraft

The foregoing summary of information prepared in the public interest, includes the final assessment of each sighting reached by Department of Air, CANBERRA, and it is regretted that no further correspondence can be undertaken on this subject.

Date of Sighting	Brief Description of Aerial Sighting	Possible Cause
23 May 69	Time about 1835 hrs. Duration 15-20 minutes. Clear night. Light moving from SE, stopped and started. Confirmed by radar at Perth, WA.	Unexplained
24 May 69	Time 1830 hrs, approx. Duration about 30 minutes. Patchy cloud. White light moving slowly W to E at Launceston, Tas.	Satellite
24 May 69	Time 1915 hrs approx. Duration 18 minutes. Cloudless sky. Two lights moving SW to NE and a dull aircraft shape at Launceston, Tas.	Aircraft
24 May 69	Time 1845 hrs. Duration 5 minutes. Light moving W to E at Hobart, Tas.	Satellite
24 May 69	Time 0900 hrs. Duration 2 hours. Clear sky. Light like metal object reflecting suns rays moving slowly at Koulama, Qld.	Venus
25 May 69	Time 1953 hrs. Duration 30 seconds. 4/8 cloud. Light moving from NNW at Launceston Tas.	Space junk re-entry or meteorite
26 May 69	Time about 1800 hrs. Duration 3-4 minutes. Moving light in sky at Brisbane, Qld.	Satellite
28 May 69	Time 1830 hrs. Duration 30 minutes. Clear sky. Bright orange light moving S to SE at Perth WA.	Sun reflecting off aircraft
29 May 69	Time 1300 hrs. Duration 6 minutes. Clear sky. Sun glinting on object and vapour trail at Perth, WA.	Aircraft formation
1 Jun 69	Time 1835 hrs. Duration approx. 30 minutes. Patchy cloud. White light moving slowly W to E at Launceston, Tas.	Satellite
2 Jun 69	Time 0640 hrs. Duration approx 5 minutes. Patchy cloud. Fast moving white light from NW to SW at Launceston, Tas.	Satellite
5 Jun 69	Time 0637 hrs. Duration 3-4 seconds. Clear sky. Similar to falling star at Launceston, Tas.	Meteor
6 Jun 69	Time 1755 hrs. Duration 2 minutes. Clear sky. Large round star-like light moving SW to NE at Mt Eliza, VIC.	Aircraft
12 Jun 69	Time 2006 hrs. Duration 15 seconds. Clear sky. Very bright red object/light moving slowly at Melbourne, Vic.	Signal Flare

The foregoing summary of information prepared in the public interest, includes the final assessment of each sighting reached by Department of Air, CANBERRA, and it is regretted that no further correspondence can be undertaken on this subject.

Date of Sighting	Brief Description of Aerial Sighting	Possible Cause
16 Jun 69	Time 0400 hrs. Duration about 3 minutes. Clear sky. Bright white light moving slowly at Wagga Wagga, NSW.	Venus
16 Jun 69	Time 2030 hrs. Duration 5-8 minutes. Clear sky. Moving amber light. Photographed. Negative examined and found blank (spot marked washed off when finger prints cleaned off film) at Melbourne, Vic.	Aircraft & immagination
16 Jun 69	Time 1926 hrs. Duration 15 minutes. Clear sky. White light flashing red and green every 4 seconds moving slowly E to W at Mt. Eliza, Vic.	Satellite
17 Jun 69	Time 2300 hrs. Duration 40 minutes. Clear sky. White light following car, viewed through window of car at Bairnsdale, Vic.	Jupiter
20 Jun 69	Time 1935 hrs. Duration 20-25 minutes. Fine but slight fog. Pale green light which flashed red and white moving shlowly in western sky at Melbourne, Vic.	Satellite
5 Jul 69	Time approx 1700 hrs. Duration momentary. Clear sky. Object the size of the moon, moving over tree tops. Photographed at Perth, WA.	Unexplained
20 Jul 69	Time approx 1730 hrs. Duration a few minutes. Clear sky. Yellow light moving "down" then "across" sky at Kempsey, NSW.	Balloon (from Moree)
27 Jul 69	Time 1915 hrs. Duration 15 minutes. Windy, cloudy and rain. Red flashing lights & yellow light moving in sky at Panmure, Vic.	Aircraft
5 Aug 69	Time 0907 hrs. Duration approx 15 minutes. Clear sky. Light gradually fading 8,000' over Melbourne, Vic.	W.R.E. Rocket

DEPT. OF AIR
554-1-30

(52)

DEPARTMENT OF EXTERNAL AFFAIRS.
CANBERRA.

In reply quote No. 551/8/44

7th September, 1970

1. A Sec 10/9
2. DAFI

The Secretary,
Department of Air,
CANBERRA.

QUESTIONNAIRE ON UNIDENTIFIED FLYING OBJECTS

Attached hereto is copy of memorandum No. 268 (16.1.1) of 21st August, 1970 from the Australian Embassy, Buenos Aires, seeking a copy of a questionnaire on unidentified flying objects.

2. Your advice in this matter, for forwarding to the Embassy, would be appreciated.

Ellestan J. Dusting.

(Ellestan J. Dusting)
for the Secretary


REC'D.
9 SEP 1970
MAIN REGISTRY
CANBERRA

57a

AUSTRALIAN EMBASSY
BUENOS AIRES

In reply quote No. 16.1.1
Memorandum No. 268

21st August, 1970.

The Secretary,
Department of External Affairs,
CANBERRA A.C.T.

R.A.A.F. Questionnaire on unidentified flying objects.

We have received a request from an Argentine journalist for a copy of a Royal Australian Air Force questionnaire on unidentified flying objects.

The journalist who claims to write for a number of science fiction magazines reports that he read of the questionnaire in a book by Henry Durrant tittled "Le livre noir des Soucoupes Volantes".

If this questionnaire exists we would be grateful if you could forward a copy.

(B.J. Wyborn)
Third Secretary


RECD.
C.A.S.

13 JUL 1970

554/1/30 Pt2 (51)

Messrs. S.G. Evans
P. Maggs
Andrew McHugh
C/- Lincoln College,
45 Brougham Place,
NORTH ADELAIDE, SA 5006

Folio 49.

Dear Sirs,

With reference to your letter of 6th June, 1970 it is advised that all reports relating to this sighting have been checked and there is no evidence to substantiate the statements submitted by you.

However it is advised that a sighting reported as 'a white spherical object' was made on 15th July, 1965 by a number of people, including Department of Civil Aviation officials, who were on duty at RAAF Base, Fairbairn. While the sighting could not positively be identified it is believed there are several possible explanations.

Firstly, the sighting could have been caused by the non-persistent condensation trail of a high-flying jet aircraft.

Alternatively, the sighting could have been caused by the planet Venus whose position approximated the direction of the sighting at the time.

A third possible explanation is that the sighting could have been caused by a high altitude radar reflecting meteorological balloon used in wind forecasting and prediction. These balloons are sent to a high altitude and are visible from considerable heights under favourable conditions.

Further more, due to the varying moisture content in the air close to the ground, they often appear very furry or have a "halo-like" appearance giving a very distorted effect. They may also change colour. These balloons are used by the meteorological authorities in the general area and a number are periodically released from Wagga Wagga, NSW. On occasions under the influence of strong winds, they travel considerable distances.

The visibility at the time of the reported sighting was extremely clear with no cloud and the fact, that the phenomena suddenly disappeared could be explained by the fact that these meteorological balloons normally burst at varying altitudes.

It is hoped that the foregoing information will assist you in your research into the incident to which you refer.

Yours faithfully,

(Sgd.) F. J. Green

(F. J. GREEN)
Secretary

14 JUL 1970

PRO
10.7.70

MINUTE PAPER

(This side only to be written on)

50

Subject: UNIDENTIFIED FLYING OBJECTS

13 JUL 1970

PR 2

1. Reference folio 49.

2. All reports relating to this sighting have been checked, and there is no evidence to substantiate the two questions in the letter. The object was reported as 'a white spherical object'.

3. Attached is a statement issued by the then Minister for Air, Mr Howson on the sighting. Perhaps it could be included in your reply to Mr Evans and company.

(C.R. HICKEY)
Sqn Ldr
DAFI AI-1

3 Jul 70

~~H8~~

50(A)

MINISTERIAL PRESS RELEASE

RAAF PR S/3907/65

FRIDAY 30th JULY, 1965

STATEMENT BY THE HONOURABLE PETER HOWSON, MP, MINISTER FOR AIR

RAAF REPORT ON SIGHTING OF FLYING OBJECT

The RAAF today released the following information on the reported sighting of a flying object in the Canberra area on 15th July last.

The sighting was made by a number of people, including Department of Civil Aviation officials, who were on duty at RAAF Base, Fairbairn.

The RAAF said that while the sighting could not positively be identified, its investigators believed there were several possible explanations.

Firstly, the sighting could have been caused by the non-persistent condensation trail of a high-flying jet aircraft.

Alternatively, the sighting could have been caused by the planet Venus which is clearly visible during the day under some conditions and whose position approximated the direction of the sighting at the time.

A third possible explanation offered was that the sighting could have been caused by a high altitude radar reflecting meteorological balloon used in wind forecasting and prediction.

These balloons which are hydrogen filled, are sent to a high altitude and are clearly visible from long distances due to the reflecting sunlight.

Furthermore, due to the varying moisture content in the air close to the ground, they often appear very furry, or have a "halo-like" appearance giving a very distorted effect. They may also change colour. These balloons are in use by the meteorological authorities in the general area and a number are periodically released from Wagga NSW. On occasions under the influence of strong winds, they have been known to travel considerable distances.

The visibility at the time of the reported sighting was extremely clear, with no cloud and the fact that the phenomena suddenly disappeared, could be explained by the fact that these meteorological balloons normally burst at varying altitudes.

The RAAF said that as announced previously the service receives a considerable number of reports of unidentified objects from all sections of the community and all these reports are investigated.

On many occasions they have turned out to be weather balloons, high-flying aircraft, satellites, stars and meteors to mention a few, and over the last few years, only three or four per-cent of sightings could not be satisfactorily explained.

For further information : Department of Air, Directorate of Public Relations, Russell Offices, CANBERRA, ACT. Telephone No Working Hrs 652321-22-23
After Hours 47476

DAF 1

DEPT. OF A

554-1-30
PPS DAFI 15/6/70

COMMONWEALTH OF AUSTRALIA

Referred for your action in accordance with the procedures laid down in your 554/1/30 (121) dated 3/3/67

With the Compliments

of the

Department of Civil Aviation

C.A. 1165 (H 23936)

46

6th June 1970

16 JUN 1970
FILE 21-1-387

C/- Lincoln College,
45 Brougham Place,
North Adelaide
5006

Dear Sir,

On behalf of interested parties I am enquiring about an incedent which is alleged to have taken place at Canberra Airport, at 10:50 pm. on July 15th of 1965. I realize this may require some work on your part but we would much appreciate your being able to negate or affirm these statements concerning the above date.

① A glowing object hovered near the airport, suspended at about 5000' for approximately 40 minutes.

② An Air Force plane was sent out to identify it but it moved out of sight at high speed.

These statements are derived from a book FLYING SAUCERS, written by Coral E. Lorenzen. We are also delving into records of newspapers, more for the sake of winning an argument, than proving a "fact."

Thank you for your time and trouble.

Yours sincerely,
S G Evans
P Maggs
Andrew McHugh.

Refer Folio 51

FILED

RECEIVED
19 JUN 1970
AIR REGISTRY

554/11/30 (48)

UFO INVESTIGATIONS IN AUSTRALIA

D/D (CIV) JIO

1. Further to teletalk Mr McMichael/Wg Cdr T.W. Murphy on Thursday 8 Jan 70, a copy of the USAF news release on UFO Investigation is attached.

2. In view of this conclusion and decision by the USAF, we are investigating the possibility of reducing the RAAF effort in investigating UFO reports in Australia.

Thomas W Murphy

(T.W. MURPHY)
Wg Cdr
A/DAFI

15 Jan 70

537/5/37 A1.4 D/DAFI/01 A1.2

554/1/30 (47) AI4

Security Classification: Unclassified

Date: 5/40/AIR

Ref:

FROM: RAAF Intelligence Representative
WASHINGTON DC

TO: Directorate of Air Force Intelligence
Department of Air
Russell Offices
CANBERRA ACT

The following Intelligence Material is forwarded herewith by Safehand Air/~~Sea~~ Mail:-

DOD News Release — UFO

CONTROL

This document contains classified information of U S origin and is subject to the special rules which have been issued for the treatment of such documents. In particular, it must not be passed to or discussed with any agency outside the Australian Defence Services, or other nation, unless specifically cleared by the United States for release.

CLEARED FOR:.....

.....

(H. J. HURLEY)
Wing Commander
RAAF Intelligence Representative

encl:

NEWS RELEASE

OFFICE OF ASSISTANT SECRETARY OF DEFENSE (PUBLIC AFFAIRS)

WASHINGTON, D.C. - 20301

PLEASE NOTE DATE

IMMEDIATE RELEASE December 17, 1969 NO. 1077-69

OXford 7-5131 (Info.)
OXford 7-3189 (Copies)

AIR FORCE TO TERMINATE
PROJECT "BLUE BOOK"

Air Attaché
SO Libel

Secretary of the Air Force Robert C. Seamans, Jr., announced today the termination of Project Blue Book, the Air Force program for the investigation of unidentified flying objects (UFOs).

In a memorandum to Air Force Chief of Staff General John D. Ryan, Secretary Seamans stated that "the continuation of Project Blue Book cannot be justified either on the ground of national security or in the interest of science," and concluded that the project does not merit future expenditures of resources.

The decision to discontinue UFO investigations was based on:

- An evaluation of a report prepared by the University of Colorado entitled, "Scientific Study of Unidentified Flying Objects."

- A review of the University of Colorado's report by the National Academy of Sciences.

- Past UFO studies.

- Air Force experience investigating UFO reports during the past two decades.

Under the direction of Dr. Edward U. Condon, the University of Colorado completed an 18-month contracted study of UFOs and its report was released to the public in January, 1969. The report concluded that little if anything has come from the study of UFOs in the past 21 years that has added to scientific knowledge, and that further extensive study of UFO sightings is not justified in the expectation that science will be advanced.

The University of Colorado report also states that, "It seems that only so much attention to the subject (UFOs) should be give as the Department of Defense deems to be necessary strictly from a defense point of view....It is our impression that the defense function could be performed within the framework established for intelligence and surveillance operations without the continuance of a special unit such as Project Blue Book, but this is a question for defense specialists rather than research scientists."

A panel of the National Academy of Sciences made an independent assessment of the scope, methodology, and findings of the University of

MORE

Colorado study. The panel concurred in the University of Colorado's recommendation that "no high priority in UFO investigations is warranted by data of the past two decades." It concluded by stating that, "On the basis of present knowledge, the least likely explanation of UFOs is the hypothesis of extraterrestrial visitations by intelligent beings."

Past UFO studies include one conducted by a Scientific Advisory Panel of UFOs in January, 1953 (Robertson Panel); and, a review of Project Blue Book by the Air Force Scientific Advisory Board Ad Hoc Committee, February-March, 1966 (Dr. Brian O'Brien, Chairman). These studies concluded that no evidence has been found that any of the UFO reports reflect a threat to our national security.

As a result of investigating UFO reports since 1948, the conclusions of Project Blue Book are: (1) no UFO reported, investigated, and evaluated by the Air Force has ever given any indication of threat to our national security; (2) there has been no evidence submitted or discovered by the Air Force that sightings categorized as "unidentified" represent technological developments or principles beyond the range of present-day scientific knowledge; and (3) there has been no evidence indicating that sightings categorized as "unidentified" are extraterrestrial vehicles.

Project Blue Book records will be retired to the USAF Archives, Maxwell Air Force Base, Alabama. Requests for information will continue to be handled by the Secretary of the Air Force, Office of Information (SAFOI), Washington, D.C. 20330.

END

554/1/30 (46)

UFO INVESTIGATIONS PUBLIC ENQUIRIES

DPR (PR2)

1. Attached is a further letter from Mr. Louis Rich and a covering letter from Headquarters RAAF Base Butterworth.

2. A copy of Mr. Rich's original correspondence, together with his 35 mm colour slide and a colour photograph was given to Sqn Ldr Millar for return to Mr. Rich along with our explaination of the cause of the phenomenon.

3. It would be appreciated if you could notify Mr. Rich of your previous communication with him.

5 Jan 70

(T.W. MURPHY)
Wg Cdr
D/DAFI (Ops)

554/1/30 (15)

UFO INVESTIGATIONS - Public Enquiries

DPS (PR2)

1. Enclosed is a letter from Herbert S. Taylor of New York USA, requesting information on UFO sightings during 1959.

2. In reply to Mr Taylor could you inform him that the RAAF could come to no definite conclusion, and that enquiries with the United Kingdom and the United States could add no clues or answers. As a result these sightings have been classified as Aerial phenomenon of unknown origin but most probably they were reflections on cloud of a major light source of unknown origin.

3. Also enclosed is a copy of a letter from Mr D.G. Guyatt, Essex, UK thanking us for our letter of 19 Nov 69.

(T.W. MURPHY)
Wg Cdr
D/DAFI (Ops)

7 Jan 70

DEPT. OF AIR
554-1-30
DAFI 7.2.69

94

DAFI

November 12, 1969

Office of Information
Royal Australian Air Force
Canberra, Australia

Gentlemen:

On June 26 and 27, 1959, many witnesses observed a UFO at Boianai, Papua, New Guinea. The many witnesses on both nights included an Anglican Priest, Father William Gill. The object was a clearly defined disc with a superstructure on top. On both nights, the numerous witnesses observed human-like figures on top of the object. Would you kindly inform me as to the official evaluation of these two extraordinary UFO reports?

C.A.S.
RECD.
20 NOV

Depair

Yours very truly,
Herbert L. Taylor
Herbert S. Taylor
371 West Windsor Parkway
Oceanside, New York 11572
U. S. A.

RECD.
18 NOV 1969
AIR REGISTRY
CANBERRA

CONFIDENTIAL

A.4

(43)

ROYAL AUSTRALIAN AIR FORCE

TELEPHONE:

Headquarters
RAAF Base Butterworth
c/- GPO Penang
MALAYSIA

IN REPLY QUOTE 6/Air (45)

23rd October 1969

Department of Air (DAFFI)

UNIDENTIFIED FLYING OBJECTS

Reference: A. Our 6/Air (43) of 7th July 1969

1. Attached is a further letter dated 4th October 1969 received by Flt Lt G.A. Martin from Mr. Louis Rich, formerly of Kalgoorlie.

2. It is requested that you contact him at his new address.

Noted

PHOTOS + LETTER
GIVEN TO DPR (PR2)
FOR FORWARDING TO MR RICH
JULY 1969
Flt

(E.R. BARTLETT)
Flight Lieutenant
For Officer Commanding

REFER ORIGINAL LETTER + COPY OF PHOTO.
580/1/1 Part 12 (10)

CONFIDENTIAL

Confidential REFER

Louis Rich
C/o. Box 329.
Andamooka Opal Fields
South Australia.

4 Th. October, 1969.

Dear Sir,

re: in reply quote = 6/Air (42).

As you stated in your letter, dated at 7th. July, 1969 that you have send my diagram, photograph and slide to Department of Air Canberra, A67. and if I not receive acknowledgement within a few weeks you would be pleased if I write to you again.

Because I had to come here to above address for busines and my Kalgoorlie address given up I did not received any information yet. Shortly I beleive the answer is in Kalgoorlie, but the people who live there now are not post it to me. So the best to do is to write to you as you suggested it.

If you would know something about the matter I would be glade if you would write to me again. I would definetely like to have the photo and slide back soon as possible because I do not think any body else got a good photo like mine

Sorry to bother you with it but it is important to me to have them back.

Yours truely,

Louis Rich

42

31, Karen Close,
Benfleet,
Essex. 557-INT.

DEPT. OF AIR
554-1-30
PPS DAFI A1-4 19-11-69

4th December 1969.

DAF1
DT2.

The Secretary.,
Department of Air,
Canberra, ACT,
AUSTRALIA.

Dear Sir,

Thankyou for your letter dated 19th November 1969 reference 554/1/30 (2) regarding Unidentified Flying Objects.

I note your varios answers to the points I raised, and again thankyou for your help.

Yours faithfully,

D.G. Guyatt

D.G.GUYATT.


RECEIVED
11 DEC 1969
AIR REGISTRY
CANBERRA


RECD.
11 DEC
C.A.S.

MINUTE PAPER

(This side only to be written on)

554/1/30 (41)

Subject: UFO INVESTIGATIONS - HANDOVER OF RESPONSIBILITIES

D/DAFI (Ops)

1. One of the secondary duties of A1-4 has been the handling of all UFO reports submitted to the RAAF. This involves making a final decision on the nature of the observed phenomenon in each case, answering any ministerial queries, liaising with Directorate of Public Relations in answering letters from the public and in compiling a summary of all sightings.

2. At the end of January 1970, the post of A1-4 will be dissolved when the production of Intelligence Bulletin moves into the JIO. The handling of UFO reports will remain in DAFI.

3. It is requested that the future encumbent be designated so that a briefing and handover can be completed before I am completely involved with the move to JIO.

(K. JORDAN)
Flt Lt
DAFI (A1-4)

2 Jan 70

Flt Lt Jardent to caretake until DAFI (Reg) fully organised 5 Jan 70.

Hickey Gp Capt

Please nominate Officer to take over UFO duties

Thomas Murphy
WSCoord

5 Jan 70

40

554/1/30 (2)

19 NOV '69

Mr D.G. Guyatt,
31 Karen Close,
Benfleet,
ESSEX, 557-INT UK

UNIDENTIFIED FLYING OBJECTS

Dear Sir,

1. Your letter of 12th October, 1969 detailed a number of questions on the subject of 'Unidentified Flying Objects' (UFO's).

2. There is no substantiated proof that UFO's have landed in Australia, or in fact, anywhere on Earth. My Department is concerned with any possible threat to Australian security, and in that context reported sightings of UFO's are investigated by the Royal Australian Air Force. Much time and effort is devoted each year to the assessment of reported aerial sightings but these assessment procedures do not extend to detailed scientific investigation.

3. It is of interest to note that the United States, until recently, had a team of scientists investigating the probable presence of UFO's in America. The study, which was lead by Dr Edward Condon was closed last year and the findings of the team were published by Bantam Books in a paperback titled 'The Condon Report'.

4. This report contends that there is nothing of an inter-planetary nature occupying American airspace. If, however, you firmly believe in life forms being existent on planets other than Earth, it is possible to believe that these life forms have technology permitting their inter-planetary movement.

5. The space explorations of the United States of America and the Union of Soviet Socialist Republics have not found anything to support the theory of life on planets in our solar system. It seems that the Mariner series of space exploration to Mars have found that it is a 'dead' planet. The only other source of extra-terrestrial life then would have to be in another 'solar system'. Unless these life forms have the technology to traverse the dimension of time then they would never be able to make a journey to this planet. Evidence thus indicates that while it is possible for extra-terrestrial life forms to visit Earth, it is extremely improbable.

6. The Australian Government is not secretive about UFO's, and a summary of all reported sightings between January 1960 and November 1968 has been

/prepared

prepared by the Directorate of Public Relations, Department of Air. A copy of this summary has been despatched to you under separate cover.

Yours faithfully,

(F. J. GREEN)
Secretary

Secretary
Department of Defence
CANBERRA ACT 2600

Forwarded for information. Your 67/3455 of 29th October 1969 refers.

(F. J. GREEN)
Secretary

Exec O Air
18/11

MINUTE PAPER

(39)

(Write on this side only)

554/1/30 Pt2(39)

SUBJECT: UNIDENTIFIED FLYING OBJECTS

Exec O Air

1. In answer to question 4 of Mr D.G. Guyatt, Benfleet, England something on the following lines may be used.

2. The Condon report contends that there is nothing of an extra-terrestrial nature invading American airspace. If however you are a firm believer in life forms being existent on planets, other than earth, then it is possible to believe that these life forms have the technology capable of inter-planetary movement.

3. The space explorations of the United States of America and the Union of Soviet Socialist Republics have not found anything to support the theory of life on planets in our solar system. In fact the only planet which scientists believe could support life forms is the planet Mars, and it seems that the mariner series of space explorations to Mars have found that it is another "dead" planet.

4. The only other source of extra-terrestrial life would have to be in another "solar system". Unless these life forms have the technology to traverse the dimension of time then they would never be able to make a journey to this planet.

5. From the above evidence it appears that yes, it is possible for extra-terrestrial life forms to visit earth, but it is highly improbable.

C R Hickey

(C.R. HICKEY)
Sqn Ldr
D/DAFI Ops

12 Nov 69

MINUTE PAPER

(This side only to be written on)

554/1/30 DAFI 15.3.68

38

Subject: UNIDENTIFIED FLYING OBJECTS

DAFI

1. Reference the attached letter from Department of Defence, forwarding a letter about UFO's from a Mr D.G. Guyatt, Benfleet, England.

2. Our attempts to issue a standard reply (sample attached) are thwarted at present by these correspondents who ask specific questions. However in this case it appears that only question 4 is not covered by the standard reply.

3. Could you please advise an answer for question 4, to be incorporated into a reply for the Secretary's signature.

31 Oct 69

Exec O Air

Parliament House, FOR AIR
Canberra. A.C.T. 2602

569-6-793

27 AUG 1969

Dear Mr. Peck,

I refer to your recent letter concerning reported sightings and photography of 'Unidentified Flying Objects'.

There is no substantiated proof that U.F.O.'s have landed in Australia, or in fact, anywhere on Earth. My Department is concerned with any possible threat to Australian security, and in that context reported sightings of U.F.O.'s are investigated by the Royal Australian Air Force. Much time and effort is devoted each year to the assessment of reported aerial sightings but these assessment procedures do not extend to detailed scientific investigation.

It is of interest to note that the United States, until recently, had a team of scientists investigating the possible presence of U.F.O.'s in America. The study, which was lead by Dr. Edward Condon was closed last year and the findings of the team were published by Bantam Books in a paperback titled "The Condon Report". This report contends that there is nothing of an inter-planetary nature occupying American airspace.

The Australian Government is not secretive about U.F.O.'s as summaries of all reported sightings with their probable cause are readily available from the Directorate of Public Relations, Department of Air, Canberra, A.C.T. 2600. A summary of all reported sightings between January 1960 and November 1968 is attached for your information.

Yours sincerely,

Canberra, 2602

(Sgd.) DUDLEY ERWIN

(DUDLEY ERWIN)

Mr. Lachlan V. Peck,
P.M.B. 194,
Seddon Service,
Kingscote, K.I.,
SOUTH AUSTRALIA. 5223

PPS DAF 15-3-68
554/1/30 PT2

IN REPLY QUOTE 67/3455

COMMONWEALTH OF AUSTRALIA

DEPARTMENT OF DEFENCE,
CANBERRA, A.C.T.

29 OCT 1969

1. A rec'd 31/10.
2.
3. DAF

The Secretary,
Department of Air,
CANBERRA. A.C.T. 2600

UNIDENTIFIED FLYING OBJECTS

Attached is a copy of a letter relating to unidentified flying objects from Mr. D.G. Guyatt of Benfleet, England.

2. We have acknowledged Mr. Guyatt's letter informing him that your Department handles enquiries of this type. It would be appreciated if you could reply to him direct.

Secretary

REC'D. 30 OCT C.A.S.

31, Karen Close,
Benfleet,
Essex. 557-INT,
England.

12 OCT 1969

The Secretary,
Joint Intelligence Committee,
Department of Defence,
Russell Offices,
Canberra, ACT 2600,
Australia.

Dear Sir, Unidentified Flying Objects (UFO)

I am writing with regard to the above mentioned subject, and should be gratefull if you would kindly advise the answers of the following questions, and also supply any relavent information which is of an unclassified nature.

1. Are UFO's considered by your goverment to :- Exist/ not exist.
if they are considered to exist, are they taken as a serious phenomen.

2. Does the Royal Australian Air Force investigate such reports considered to be UFO's

3. Is there any proof to substantiate the existance of U.F.O.'s.

4. If the above questions are considered in a positive manner, does the Extra Terrastial theory seem possible.

5. Are reports received by yourselves or an similar authority, pertaining to UFO's Classified, Secret, or any other such procedure.

6. If question five (5) is considered in a negative manner, would you furnish me with as much ifformation as possible.

I await your early reply, and thank you for your help in this matter.

PEO(Pol)
For action please?
O. 17/10

Yours faithfully,

D.G.GUYATT.


RECD.
29 OCT 1969
AIR REGISTRY
CANBERRA

UFO INVESTIGATION IN THE RAAF

Research into this subject has come up with some unrewarding answers, firstly the inquiry can not go back any further than the 11th November 1953. The cause of this blockage is the loss of Part 1 of file 114/1/197 (ex SEC CD2/2) in the move of the Department from Melbourne to Canberra. Two searches through records and the archives have failed to trace this file. One search was carried out in March 1966 and the other on 15th and 16th July 1969. As the first UFO report was received in America in July 1947, there would be up to six years of correspondence dealing with UFOs unaccounted for.

A further hinderance was the reference to four different files dealing with UFO policy, however after rationalization of the files in 1966 there is now only one current file on this subject (554/1/30).

In dealing with the policy it will be divided into three sections; Australian Government Policy; RAAF Policy with regards to the investigation; Overseas observations. A special section will deal with an investigation carried out by Mr O. H. Turner in 1954.

Australian Government Policy

The first recorded statement by Government minister was by the Minister for External Affairs. There is no statement of policy as such, but it suggests a connection between UFO sightings and periods of intense meteorite activity (ANNEX "A").

In April 1954 the DCAS approved the official policy that there had not been enough evidence collected to make a conclusion (ANNEX "B").

In answer to questions from "World Wide Magazine" in November 1957, the RAAF officially acknowledged a "wait and see" policy (ANNEX "C").

In March 1963 the Minister for Air (Mr Osborne) made a statement in the House that there was no evidence to verify that "interlopers ..... have been visiting us" (ANNEX "D").

This is the last statement on record by a Government official on the attitude of the Australian Government, so the present situation has arisen whereby there is no definite policy, but a "wait and see attitude" is held, with the reservation that there has been no evidence as yet to confirm the presence of "flying saucers".

RAAF Investigation Policy

Folio 3 of 554/1/30 Part 1 (ex folio 7 of 114/1/197 Part 2) dated 16th November 1953 is the first record of a letter to Commands concerning UFOs. The letter suggests inprovements to the report forms used, so there was undoubtedly a previous directive to Commands on their responsibilities. Whether this was written or verbal is not known. According to a minute (ANNEX "E") dated February 1966, there were no written responsibilities for Operational Command in the UFO field, and after much discussion a directive was issued to both Commands in March 1966 (ANNEX "F"). Paragraphs 6 and 7 of ANNEX F deal with Base responsibilities.

Since that date there have been numerous reminders sent to Command of Command and Base responsibilities.

The release of information to the public was not allowed until 1966, when there was a ministerial statement authorizing the release. In April 1966 the first "Summary of Unidentified Aerial Sightings Reported to Department of Air" was compiled. This dated back to January 1960. Since then there have been periodic releases updating the Summary. These are available to any person.

It seems therefore that the RAAF has definite policies on collection and release of all information pertaining to UFOs.

Overseas Observations

In America, the USAF set up "Project Blue Book" soon after the first sightings in 1947. This project keeps files on and investigates all reported sightings. In the United Kingdom a similar office was formed and still operates, although it is not as well known as the American project.

From time to time releases have been made to Australia by both these offices and some of them are attached (ANNEX "G").

In 1966 the United States Government set up an official inquiry into the problem. A team led by Dr Condon spent two years processing and investingating reports held in "Project Blue Book". They published the report in 1968 as a paperback Bantam book (copy held by DAFI but on loan to Mr O. H. Turner). The conclusion drawn by all these investigators is that as yet there is no corrobarative evidence to suggest the presence of any unearthly beings. Only about 2% - 3% of reports are unexplainable by natural phenomenon, and these are usually due to lack of information. A copy of the Scientific Americans' book review of the Condon report is attached (ANNEX "H").

Mr O. H. Turner's Interests

In 1954, Mr O. H. Turner, then a member of the Physics Department of the Melbourne University, requested permission to do a study on UFOs in Australia. This permission was given and so Mr Turner carried out this study. His report is rather lengthy, but his conclusions and recommendations are attached. Mr Turner then left Australia for the United Kingdom. After his return to Australia he again approached DAFI from his new position in the Scientific Intelligence section of JIB. Permission was again given to him to investigate the UFO files (in late 1968). This permission was given unofficially by D/DAFI (Ops), with the Director's agreement. On Mr Turners suggestion a new report form was devised in May 1969, and forwarded to Commands. This form will give a more scientific slant to the reports.

Note should be made that the 1954 report was largely based on American information by a Major Kehoe. This "Kehoe" report has been proved to be an unofficial, highly biased, opinion written by an ex-Marine officer-turned-science-fiction-writer.

Mr Turner also disagrees with Dr Condon's findings.

All correspondence on this topic is attached at ANNEX "J".

(K. JORDAN)
Flt Lt
AI-4

6

COMMONWEALTH OF AUSTRALIA

Group Captain Charlton,
DIRECTOR OF AIR INTELLIGENCE.

With the Compliments

of the

Private Secretary to the Minister for External Affairs

The attached letter was sent to the press in Sydney, Brisbane, Adelaide and Melbourne -

C Hansen

COMMONWEALTH OFFICES.
TREASURY GARDENS.
MELBOURNE. C.2

23/6/1954.

file :- 554/1/30 pt 1

ANNEX 'A'
page 2

F/RI Page V 50A

(6A)

Treasury Gardens,
MELBOURNE. C.2.

28th January 1954

Dear Sir,

From time to time people report having seen unexplained objects in the sky which have come to be called "flying saucers". There have been many explanations of them - the sun shining on high flying aircraft - meteorological balloons - imagination, etc. There is another possibility that may account for some of them, which has not been suggested, so far as I know. On known dates in each year, the earth passes through meteor streams. These are the remains of meteors that have disintegrated in outer space, but which continue their original paths round the sun in the form of streams of solid particles and meteoric dust. The fact that the earth moves round the sun in a fixed path and that these debris of meteors also move round the sun in fixed paths, means that the paths of the earth and of some of these meteoric streams intersect each other on a series of dates which are the same each year. The earth sometimes takes a number of days to pass through the more important of these meteoric streams. The dates of maximum meteoric activity are - 3rd January, 21st April, 4th May, 8th June, 30th June, 28th July, 10-13th August, 10th October, 20-23rd October, 3-10th November, 14th November, 16th November, 11-13th December.

I have lists of the dates over the last several years on which people have reported having seen "flying saucers" in Australia, and have compared them with the dates on which the earth passes through the principal meteoric streams. There appears to be a noticeable relationship between these two sets of dates. By this I mean that there tends to be a grouping of flying saucer sightings round about the meteor-stream dates that it is hard to believe is by chance. And again, there is a relative absence of "flying saucer" reports during the principal gaps between meteor-stream dates. For instance, the minimum meteoric activity of the year is between January and April. These are also the months in which fewest "flying saucers" have been reported in Australia. I do not suggest that this evidence is by any means complete, or that it is, at best, more than a partial explanation of "flying saucer" phenomena. All that I suggest is that there is some evidence that people seem to report otherwise unexplained objects in the sky round about the dates on which the earth passes through the principal meteor-streams, and there seems to be a lull in the reporting of flying saucers in between these dates.

I do not suggest any more than that what I have said may be an explanation of at least a proportion of the "flying saucer" reports.

I am,
Yours very truly,

R. G. CASEY

(R. G. CASEY)

The Editor,
"The Sydney Morning Herald",
SYDNEY. N.S.W.

ANNEX 'B'

1A 24A

DRAFT

Press Release 7A

INVESTIGATION OF FLYING SAUCERS

STATEMENT OF R.A.A.F. POLICY

Approved By. DCAS and issued in April 1954.

1. The R.A.A.F. accepts reports on flying saucers and attempts an allocation of reliability. Those that fall in the reliable class are then subjected to further investigation as and when the opportunity occurs. As a result of this further investigation, a smaller number of reports are followed up and investigations are made with the Meteorological Services, the Government Astronomer and the Civil Aviation authorities in an attempt to fit the original occurrences in with any normal flying activity or meteorological phenomena.

2. As a result of investigations in the past, there is no doubt that reliable observers have reported sightings which today are inexplicable within the resources available to the R.A.A.F. Reports of this type are continuously filed in an attempt to develop sufficient depth of evidence for accurate analysis to be made. It may however, be several years before the required depth of evidence is available.

file: 554/1/30 pt 1

DAFI.

OK

4 Dets
24/4/54

ANNEX 'C'

REPLY TO QUESTIONNAIRE ON UNIDENTIFIED FLYING OBJECTS - WORLD WIDE MAGAZINE

dated: 27 Nov 57

1. Q. What is the official attitude and policy of your Government in connection with so-called flying saucers?

A. At the time of the spate of flying saucers reports in 1952/54, the Australian Government adopted a 'wait and see' attitude. Reports on flying saucers from various parts of the world have been studied and local investigations have taken place. The Government has adopted the attitude that there is still insufficient evidence available to enable an accurate analysis to be made.

2. Q. The United States of America have a special commission which investigates reliable reports of unidentified flying objects. Has your Government a similar project in operation?

A. There have been insufficient reports of unidentified flying objects in Australia to warrant the formation of a special commission to investigate them. The Royal Australian Air Force accepts reports and attempts an allocation of reliability. Reports that fall in the reliable class are subjected to further ~~information~~ investigation as and when opportunity occurs. As a result of this further investigation a small number of reports are followed up and investigations are made with the Meteorological Service, the Government Astronomer and the Civil Aviation authorities in an attempt to fit the original occurrences in with any

file: 554/1/30(27)pt 1

ANNEX 'D'

~~82~~
83

554/1/30 (82)

6 MAR 1963

Dear Sir,

I refer to your letter dated 23rd January, 1963, regarding unidentified flying objects.

From time to time reports of unidentified flying objects are received and investigated by the Royal Australian Air Force, but details of individual investigations have not been made public.

On October 20th, 1960, the Minister for Air, the Honourable F.M. Osborne, made a statement in the Australian National Parliament at Canberra, summarizing the position, and his comments may be pertinent to your request.

In the course of his remarks Mr. Osborne said, "The Department of Air does obtain information about all well-reported cases of unidentified flying objects. Although reports of this sort have been investigated very carefully for some years, nearly all of them are explainable on a perfectly normal basis. Sometimes they are found to be weather balloons, high-flying aircraft, or even stars. On one occasion, it was established that a reported spaceship was the moon. Of all these reports, only three or four per cent cannot be explained on the basis of some natural phenomenon, and nothing that has arisen from that three or four per cent of unexplained cases gives any firm support for the belief that interlopers from other places in this world or outside it have been visiting us".

Yours faithfully,

(A. B. McFarlane)
SECRETARY

Mr. John Laval,
7 Idlewild Lane,
Matawan,
NEW JERSEY, USA.

Mail W.Cdr
D/DAFI(Ops)
5 Mar 63

DEPARTMENT OF AIR

ANNEX 'E'

MINUTE PAPER

(This side only to be written on)

Subject: Unidentified Flying Objects

C.4337/60—PL

D/DAFI (Opd)

1. Ref Folio 10

2. I have reviewed the current "Ad Hoc" system in the practice of processing U.F.O. reports and with minor criticisms it appears to be working satisfactorily, entailing the minimum of work by this Directorate.

3. However, in view of SO Intell (Opcom) objections of not having his responsibilities in writing and DAFI direction that he is to receive them it is obvious that we will have to do something. As a starting point your recommended statement contained at Folio 5A should be accepted for distribution as required.

4. The next point we should consider is the updating of the report proforma. I have drafted a new questionairre which I feel will give a more complete picture of the incident and it is submitted for your consideration.

5. Furthermore, as well as advising Hqopcom on our recommended course of action we will also be required to include D.C.A. on distribution of the new directive to keep them in the picture.

Feb 66

Sqn Ldr
AI-2

file: AIG 2/25/1 (") dead file

15

Directorate of Air Force Intelligence

AIG 2/25/1(15)

25 MAR '66

Headquarters Support Command RAAF Victoria Barracks MELBOURNE SC1 VIC
Headquarters Operational Command RAAF PENRITH 1W NSW

INVESTIGATION OF UNIDENTIFIED FLYING OBJECTS

1. The Royal Australian Air Force is responsible for the investigation of reports of unidentified flying objects (UFOs) in Australia and the Trust Territories. The purpose of this letter is to lay down the procedure for the handling and investigation of such reports.

2. The main purpose of the investigation of any UFO is to establish whether or not the subject of the report poses a threat to the security of Australia. The identification of the cause of the UFO report and its classifications as aircraft, balloon, missile, astronomical body or phenomena etc, is of minor importance and mainly for the benefit of members of the public whose interest may have been aroused by the report.

3. The handling and investigation of reports of UFOs is to be the responsibility of the AOC of the Command at whose base the UFO is reported. The investigation is to be based on a questionnaire which is shown at the annex and which is designed to record all necessary details of the observation and provide the information on which an investigation can be based.

4. The present arrangement for bringing to the attention of the RAAF a report of a UFO are widely known. Under the present scheme, anyone who sees, or thinks he sees an aerial object which he cannot identify contacts the nearest RAAF base, or civil airport and if this is impractical, his nearest police station. These arrangements are working satisfactorily and there is no intention to change them.

5. In a country as large as Australia, it is considered that the authority best suited to the investigation of a UFO is the nearest RAAF base, where local weather conditions, natural phenomena and aircraft movements are well known. This is the principle on which the procedure is to be based.

6. Air Officers Commanding are to ensure that as soon as possible after the report of a UFO is received the Base Commander sends a signal to Command Headquarters and Department of Air giving brief details of the observation and appoints a responsible officer, preferably of the General Duties Branch, to initiate inquiries. Normally this officer should interview the observer and complete the proforma. In cases where the remoteness of the area of observation would make this procedure impractical, or the Base Commander is satisfied from the initial inquiry that nothing would be gained by such a procedure, he should arrange for the proforma to be completed by or in the presence of a police officer or other responsible person.

.../2

7. When the completed proforma is received at the RAAF base, Officers Commanding are to ensure that an adequate examination of the report is carried out, bearing in mind the principles outlined in para 2 above. A brief report on the findings of the investigation along with a copy of the proforma should be despatched without undue delay to Command Headquarters. After consideration by the Air Officer Commanding, the UFO proforma and investigation findings are to be forwarded to Department of Air for filing and record purposes.

8. No attempts should be made to answer public enquiries at unit or command level. Requests by members of the public for information on UFOs in Australia and for the RAAF assessment of their origin etc should be referred to the Department of Air where they will be dealt with by the Directorate of Public Relations.

(I.S. PODGER)
Group Captain
For Chief of the Air Staff

ANNEX 'G'
page 1

554/1/30 44A 012

RECD. 30 DEC 1959 AIR REGISTRY CANBERRA

CONFIDENTIAL

ROUTINE

RAAF No. 27 COMMUNICATION CENTRE 24 DEC 1959 DEPT. OF AIR MELBOURNE

~~DE RPAIYA 017/3~~

NO UNCLASSIFIED REPLY OR REFERENCE

R 221700Z ~~ACT~~
FM AM LONDON
TO DEPAIRMELB ~~—~~
BT
C O N F I D E N T I A L 1485/DDI3 22 DEC PERSONAL FOR WING CDR BYRNE FROM SUTHERLAND . YOU MAY INFORM AUSTRALIAN GOVERNMENT OF THE FOLLOWING (A) SPECIFIC QUESTIONS HAVE BEEN ASKED IN THE HOUSE CONCERNING INDIVIDUAL SIGHTINGS REPORTED IN THE PRESS . (B) THE AIR MINISTER HAS REPLIED TO QUESTIONS AS THEY HAVE OCCURED AND PARLIAMENT HAS NOT AT ANY TIME DEBATED THE SUBJECT . (C) ALL SIGHTING REPORTS OCCURING IN THIS COUNTRY HAVE BEEN PROCESSED THROUGH AIR MINISTRY INTELLIGENCE . (D) ON AVERAGE 90 PER CENT ALL SIGHTINGS CAN BE EXPLAINED . VARIETY OF CAUSES RANGING FROM MET BALLOONS METEORS TO AIRCRAFT LIGHTS .

RECD. 24 DEC 1959 REGISTRY

WE ARE CONFIDENT THAT THE OTHER 10 PER CENT ONLY REMAIN UNEXPLAINED BECAUSE OF THE LACK OF RELIABLE INFORMATION ABOUT THEM . (E) AUSTRALIAN GOVERNMENT MAY BE INTERESTED TO OBTAIN UNITED STATES AIR FORCE AIR TECHNICAL INTELLIGENCE CENTRE REPORT KNOWN AS QUOTE PROJECT BLUE BOOK UNQUOTE PUBLISHED IN 1955. QUOTE PROJECT BLUE BOOK UNQUOTE ANALYSES THOUSANDS OF REPORTS AND ATTEMPTS TO TABULATE IN ORDER TO DETERMINE A POSSIBLE COMMON DENOMINATOR . THE REPORT CONCLUDES BECAUSE NO CONNECTION BETWEEN VARIOUS REPORTS DISCERNABLE THAT SIGHTINGS PURPORTING TO BE FLYING SAUCERS ARE EITHER CASE OF MISTAKEN IDENTITY OR IMAGINARY
BT
231740Z ~~RPYDCR~~

DAFI Canberra

8/Jan 60.

NO UNCLASSIFIED REPLY OR REFERENCE

B17

LIMITED TELEPRINTER FORMS PAPER PATENTED BY N.C.R. CO.

58A.

554/1/30

UNIDENTIFIED FLYING OBJECTS

Minister

1. The Directorate of Air Force Intelligence wrote to Air Ministry London, and to the Australian Joint Services Staff in Washington on 26th November 1959 for the latest views of the British and United States Governments on Unidentified Flying Objects. You may be interested in the replies received recently.

2. Air Ministry stated that specific questions have been asked in the House of Commons concerning individual sightings reported in the press. The Air Ministry has replied to questions as they have occurred and Parliament has not at any time debated the subject. All sighting reports occurring in the United Kingdom have been processed through Air Ministry Intelligence. On an average 90% of all sightings have been explained by a variety of causes ranging from meteorological balloons and meteors to aircraft lights. Air Ministry is confident that the other 10% only remain unexplained because of lack of reliable information.

3. The Defence Department in Washington stated that "over twelve years of investigating and evaluating unidentified flying object sightings has provided no evidence to confirm the existence of the popularly-termed "flying saucers", as interplanetary or interstellar space ships". During the period June 1947 and October 1958, 6,000 reports were investigated. More than 84% of the reported UFO sightings were definitely established as natural phenomena, hoaxes, birds, or man-made objects. Insufficient data was available to thoroughly analyse and evaluate 14% of the reports and less than 2% were classified as unknown. The investigations carried out during the last half of 1958 set a record low for the number of cases classified as "unknown" - .67%.

for Gp Capt
DAFI

7 Mar 60

6-29 UFO's

REG. FILE J8841/1
FOLIO 198A 4B
FOR [illegible] BY S-2 BRANCH
DATE 1/2/56.

21/5/9
J-1-5(a)(ii) - JIH 6/2
ANNEX 'G'
page 3

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EXCERPTS FROM

PROJECT BLUE BOOK

SPECIAL REPORT NO. 14

(Analysis of Reports of Unidentified Aerial Objects)

Project No. 10073

5 May 1955

AIR TECHNICAL INTELLIGENCE CENTER

Wright-Patterson Air Force Base

Ohio

MTR FILE ... J864.1

improved methods of investigation and reporting, and by scientific analysis, the number of unexplained cases has decreased rapidly towards the vanishing point.

Therefore, on the basis of this evaluation of the information, it is considered to be highly improbable that reports of unidentified aerial objects examined in this study represent observations of technological developments outside of the range of present-day scientific knowledge. It is emphasized that there has been a complete lack of any valid evidence of physical matter in any case of a reported unidentified aerial object.

* * * * *

CONCLUSIONS

It can never be absolutely proven that "flying saucers" do not exist. This would be true if the data obtained were to include complete scientific measurements of the attributes of each sighting, as well as complete and detailed descriptions of the objects sighted. It might be possible to demonstrate the existence of "flying saucers" with data of this type, IF they were to exist.

Although the reports considered in this study usually did not contain scientific measurements of the attributes of each sighting, it was possible to establish certain valid conclusions by the application of statistical methods in the treatment of the data. Scientifically evaluated and arranged, the data as a whole did not show any marked patterns or trends. The inaccuracies inherent in this type of data, in addition to the incompleteness of a large proportion of the reports, may have obscured any patterns or trends that otherwise would have been evident. This absence of indicative relationships necessitated an exhaustive study of selected facets of the data in order to draw any valid conclusions.

A critical examination of the distributions of the important characteristics of sightings, plus an intensive study of the sightings evaluated as UNKNOWN, led to the conclusion that a combination of factors, principally the reported maneuvers of the objects and the unavailability of supplemental data such as aircraft flight plans or balloon-launching records, resulted in the failure to identify as KNOWNS most of the reports of objects classified as UNKNOWNS.

An intensive study, aimed at finding a verified example of a "flying saucer" or at deriving a verified model or models of "flying saucers" (as defined on Page 1)[1], led to the conclusion that neither goal could be attained using the present data.

It is emphasized that there was a complete lack of any valid evidence consisting of physical matter in any case of a reported unidentified aerial object.

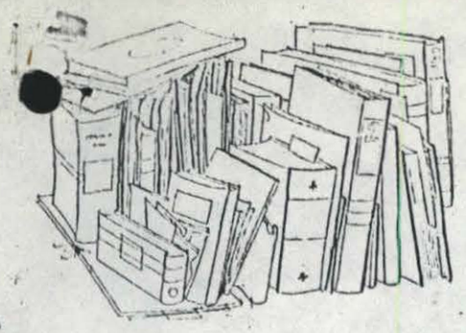
Thus, the probability that any of the UNKNOWNS considered in this study are "flying saucers" is concluded to be extremely small, since the most complete and reliable reports from the present data, when isolated and studied, conclusively failed to reveal even a rough model, and since the data as a whole failed to reveal any marked patterns or trends.

Therefore, on the basis of this evaluation of the information, it is considered to be highly improbable that any of the reports of unidentified aerial objects examined in this study represent observations of technological developments outside the range of present-day scientific knowledge.

---

1 In June, 1947, Kenneth Arnold, a Boise, Idaho, businessman and private pilot, publicly reported the now-famous sighting of a chainlike formation of disc-shaped objects near Mount Rainier, Washington. Resulting newspaper publicity of this incident caught the public interest, and, shortly thereafter, a rash of reports of unidentified aerial objects spawned the term "flying saucers". During the years since 1947, many reports of unidentified aerial objects have been received by the Air Force from many and diverse sources.

The unfortunate term "flying saucer", or "flying disc", because of its widespread and indiscriminate use, requires definition. Many definitions have been offered, one of the best being that originated by Dr. J. Allen Hynek, Director of the Emerson McMillin Observatory of The Ohio State University, who has taken a scientific interest in the problem of unidentified aerial objects since 1949. Dr. Hynek's definition of the term is "any aerial phenomenon or sighting that remains unexplained to the viewer at least long enough for him to write a report about it" (Hynek, J. A., "Unusual Aerial Phenomena", Journal of the Optical Society of America, 43 (4), pp 311-314, April 1953). Dr. Hynek, elaborating on his definition, says, "Each flying saucer, so defined, has associated with it a probable lifetime. It wanders in the field of public inspection like an electron in a field of ions, until 'captured' by an explanation which puts an end to its existence as a 'flying saucer'".



BOOKS

The Condon report on unidentified flying objects, and other matters

by Philip Morrison

SCIENTIFIC STUDY OF UNIDENTIFIED FLYING OBJECTS, conducted by the University of Colorado under contract to the United States Air Force. Edward U. Condon, Scientific Director. Daniel S. Gillmor, Editor. Bantam Books ($1.95). More than a decade ago the political struggles that are born of the fears and the strengths of a great nuclear power were made starkly clear in a thick Government document called *In the Matter of J. Robert Oppenheimer*. That work was unrelieved tragedy; its content and its impact were fearful; even its form was austere, unified, concentrated. Once again the reader is presented with a thick official volume of genuinely dramatic interest, describing another unique episode of our times. This document, however, is diffuse, cheerful, catholic, discursively instructive and marvelously illustrated. It is no farce but rather a high and human comedy. In a curious way the two dramas overlap.

This report presents the work of able men, led by a wise physicist of high repute, who have tried to bring order to the disorderly, to make what sense they could out of rumor and hard data, out of cynical fraud and honest and courageous observation. They have succeeded brilliantly, building a monument to reason, to experiment and to intellectual patience, modesty and candor. The heart of their work is the careful study of about 60 unusual reports. Their chief data are the accounts of eyewitnesses; their main instrument is the tape recorder. The thrust of the work, however, is not psychological but physical. Each event is described, and a set of sensible hypotheses is tested against the data. Could the object have been a balloon? Then seek the data on upper-air winds. Was a strong magnetic field used to stop an automobile? Then compare the magnetic pattern of the automobile body with that introduced into other cars cold-formed by the same presses.

The most interesting cases are the ones that present photographic evidence; these have been analyzed with great penetration and alertness, mainly by William K. Hartmann, a planetary astronomer at the University of Arizona. About a quarter of the photographs show evidence of fabrication, a quarter are mistakenly identified normal phenomena, a quarter simply present too little information (point sources or mere luminous blobs), and a quarter are clear enough but lack supporting data for analysis. Only two out of 35 photographic cases remained. Both of them are events of 1950. In one "all factors . . . appear to be consistent with the assertion that an . . . object, silvery, metallic, disk-shaped, tens of meters in diameter . . . flew within sight of two witnesses" (an Oregon man and his wife). Fabrication cannot be ruled out; the position of the object in the same place below a wire in two pictures suggests that it is the small suspended model it resembles, yet photometry of the pictures argues that the object was far away, since its shadowed portion is brightened as though by the scattering of light by the intervening atmosphere. The second event, which yielded 16-millimeter film, shows two bright lights moving slowly across a noonday sky in Montana. They were not meteors (too slow) and not birds (too steady); both aircraft and balloons remain possible but not compelling fits.

So the report goes. The investigators do not contend that they have explained away every event; they are too honest for that. They nonetheless make a real try, and overall they succeed wonderfully. The whole work seems to show conclusively that there is no prima facie case for closer study; no one can think of means that at any reasonable cost would greatly increase our data on such scattered, diverse and transient events. The group tried out a few such schemes; they didn't work at all. The formal conclusion is widely known, and it seems particularly sensible and well supported: "Further extensive study of UFO's probably cannot be justified in the expectation that science will be advanced thereby." Yet if specific ideas for new work appear, let them receive consideration for support on their individual merits. No new agencies, no big plans. New evidence, better than any we now have, would be needed to change this eminently convincing view.

There are many amusing bits. "One evening . . . a most articulate gentleman told us with calm good manners . . . [in] some detail about how his wife's grandfather had immigrated to America from the Andromeda nebula." A piece of celestial foil turned out to be radar chaff, precisely identified by its makers as to lot, color and material (1145 alloy, Kerstyn lacquer, Acruanx C). It was "manufactured in Brooklyn, New York, U.S.A., and not in some remote corner of the galaxy."

There is a large and interesting section devoted to the physics of optical and radar mirages, to atmospheric electricity and ball lightning, to the surprisingly widespread use of high-altitude balloons, to problems of perception and so on. There is an outline of the prehistory of the UFO's, with a rather discouraging burden of misleading and even false citations on the part of many authors. There are 32 pages of photographs and many sketches and graphs.

One comes away edified, amused, admiring and well satisfied. The report documents how much the story is linked to the national mood of the early 1950's: the concerns of secrecy and the near-paranoia. Even the cogent report made in 1953 by a panel of distinguished physicists, headed by H. P. Robertson, sponsored by the Air Force and the Central Intelligence Agency, reflects that extraordinary atmosphere. It is sad that the CIA still insisted on censoring the old report, so that we learn of Dr. ——, and even "The —— opened the meeting." (*Never* mention the —— in print, the rule must say out there at headquarters.) Careful students will be interested to see an overlap in minor cast between the Oppenheimer hearings and the UFO report. "Foo-fighters" and the cabal called ZORC are both the expertise of one professor. It is clear that a profound

Subject:

PROGRESS

Report of the World Land Reform Conference, 1966

The purpose of the Conference was to provide the Governments of Member States with a forum for the reappraisal of their programme for adjusting agrarian structures, with an opportunity for a thorough assessment of their current policy in the light of economic and social development plans, and for the exchange of experience in the planning and implementation of land reform programmes. 92 pp. $1.50

Urbanization, Development Policies and Planning

Problems and policies connected with urban growth and population distribution. 130 pp. $2.00

Compendium of Social Statistics, 1967

Statistical tables include: Population and vital statistics; Health conditions; Food consumption and nutrition; Housing; Education and cultural activities; Labour force and conditions of employment; Income and expenditure; Consumer prices. Bilingual (Eng./Fr.) $8.75

UNDP/Project Descriptions

Commencing January 1969, the United Nations Development Programme (UNDP) will make available on a subscription basis UNDP Project Descriptions, containing comprehensive information about UNDP-assisted projects approved by the Governing Council. Twice a year, the UNDP Governing Council meets to approve assistance for a large number of pre-investment projects. The projects range from those aimed at developing agricultural and mineral sectors to those intended to create advanced industrial complexes, transport systems and public administrations.

The descriptions are intended as a useful source of information for Governments, the general public, financing institutions and, particularly, commercial firms and organizations interested in contracting opportunities.

Each project description will be about five pages long and will include information on the need for the project within the context of the economic situation of the country concerned; the estimated duration of the project; the objectives of the project and their relation to the national development plan; the work plan of the project; expert services, contracts and equipment needed for the project's implementation; and the budget. Annual subscription (two issues), $65.00

UNITED NATIONS PUBLICATIONS
New York, N.Y. 10017

mistrust both of official science, with its link to weaponry, and of the secret operations of our government suffuses the subject. UFO's are not wholly but in large measure a creature of the American scene circa 1950.

One would have welcomed a brief factual account of the scale and scope of the flying saucer "industry," which today touches even some national publications, and represents a vested interest in mystery. Condon urges that teachers not allot credit for schoolwork on currently available UFO books and articles. He has made that recommendation out of date; this report is well worth broad study at many levels. Finally, it is clear that the UFO reports should not be met by ridicule but by real interest. They are often the faint echo of science itself, men seeking order in a world made anxious not only by fancied fears but also by real ones. That among the witnesses are madmen, rascals and jokers does not single out any group. Science is the stronger for this sincere and expert effort to deal with a public concern.

THE MACHINE AS SEEN AT THE END OF THE MECHANICAL AGE, by K. G. Pontus Hultén. The Museum of Modern Art ($8.95). The text of this book is fresh enough, but the book is literally canned. That is, it is bound between Swedish tinplate covers, embossed and color-lithographed, as apt as they are durable. It is the extensive catalogue by a director of the Stockholm museum who assembled the art exhibition presented in New York in the fall of 1968. He himself observes that it is in no sense a history of the machine; rather, it is "a collection of comments on technology by artists of the Western world." It is full of interest, less for the novelty of the works illustrated and explained than for the fact that it displays so many diverse works, most of which are well known in other contexts. It begins, of course, with a Da Vinci: one design for a pseudo-helicopter. Then comes one of Dürer's fantastic engravings of the cogwheel chariots for Maximilian's paper triumph. The marvelous Neuchâtel automata, real clockwork figures that draw and write, are here, and a strange drawing out of the Italian baroque depicting a street knife-sharpening machine drawn as a man with mechanical parts.

There is a Shortshanks etching of English gentry walking in steam-driven boots, and a familiar anonymous Victorian lithograph of a Mr. Golightly astride a "steam riding rocket." Nonetheless, it is the 20th century that makes the collection. Most of the newest ideas of the artists are seen to be very early: there is an *art nouveau* wax model of a double-decker automobile that could be influential today; op-art illusions, the collage and assembly of machine parts and junk, and kinetic sculpture (the example shown is standing waves in a vibrating metal rod) all began before 1920. The most dazzling concept of this period is the fantastic plan of Vladimir Tatlin for a monument to the Third International in Moscow, which was to have been a slanted steel helix 400 meters high holding four glass-walled chambers of decreasing size, the largest rotating in a year and the smallest daily. "The technical potential to build it did not exist," and even a wooden model 15 feet high was lost, although it was much praised.

The last word also appears, in the self-destructive mechanical comedies of Jean Tinguely, the still or animated tableaux of Edward Kienholz (for example "The Friendly Grey Computer," an electronic chassis in a rocking chair with a doll's legs protruding) and the reactive electronic devices of the organization Experiments in Art and Technology. Altogether this is a summarizing document of a catholic taste. The philosophical analysis of the writer will not always appeal to readers who are closer to the machine than he is.

MILITARY AND CIVILIAN PYROTECHNICS, by Herbert Ellern. Chemical Publishing Company Inc. ($15). Here is an expert's account of a living technology—up to date, coherent and personal. Pyrotechnics is much older and much more conspicuous than its present economic scale would suggest. For this author pyrotechnics can no longer be fireworks alone; he defines it as the technology of the use of the heat and other products from the mainly nonexplosive exothermic reactions of solids. The core of the industry is the safety match; the 400 or 500 billion matches made each year in the U.S. exceed by tenfold the value of all fireworks production. Matches are treated here both historically and technically, although with little attention to the purely mechanical side of their mass production. The safety match has no secret formula; its successful manufacture is based on skillful management of the process, on maintaining uniformity in the face of small changes in materials and external conditions. The key is in details such as the use of the best hide glue ("Peter Cooper Grade IIa extra with foaming properties"); other binders can form a hardened skin over the pyrotechnic material, and the match

ANNEX 'H'
page 3

Condon To Head UFO Study

The Air Force, beset for years by charges that it considers reports of unidentified flying objects to have a psychiatric rather than an aerodynamic basis, took steps last week to establish what it hopes will be regarded as an impeccably objective scientific investigation of the UFO issue. It announced that the distinguished physicist Edward U. Condon, who is noted for speaking his mind, has agreed to serve as scientific director of a far-ranging, no-strings UFO inquiry backed by $313,000 of Air Force money. The study, under contract from the Air Force Office of Scientific Research, will be centered at the University of Colorado, where Condon, 64, is professor of physics and astrophysics and a fellow of the Joint Institute for Laboratory Astrophysics.

Condon, who declined to work at Los Alamos during World War II because of what he considered stifling and unnecessary security arrangements, served as director of the National Bureau of Standards from 1945 to 1951. During that time he was attacked by the House Un-American Activities Committee as "one of the weakest links in our atomic security," a charge that caused widespread indignation throughout the scientific community. In 1954, while he was director of research and development for Corning Glass Works, the Navy suspended his security clearance after he had been cleared by three government agencies. Condon publicly denounced the procedure and, rather than reapply for a clearance, resigned from Corning. He later assailed the Eisenhower administration for "callous indifference" to political attacks on scientists.

Condon was president of the American Physical Society in 1946 and president of the AAAS in 1953. Prior to joining the Colorado faculty, in 1964, he was professor of physics at Washington University, St. Louis.

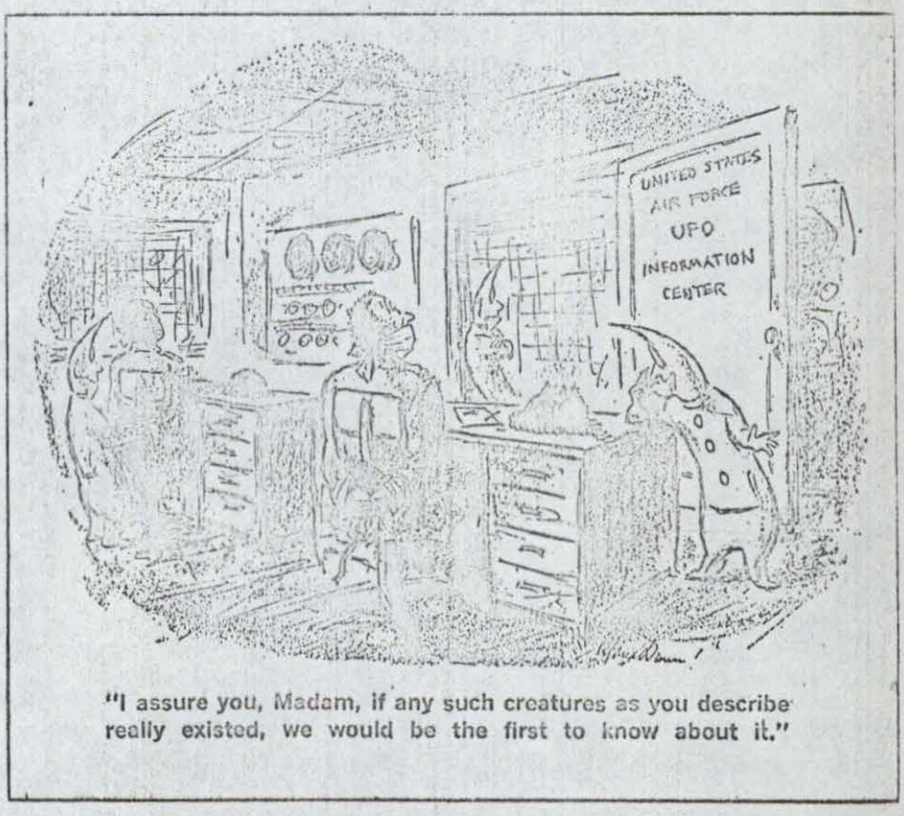
Associated with him in the UFO study will be Franklin E. Roach, an astrophysicist and air glow specialist on the staff of the Environmental Science Services Administration, Boulder, and Stuart W. Cook, chairman of the Colorado psychology department. Cooperation will be sought from other institutions, and, as a final certification of scientific purity, the National Academy of Sciences will review the results of the study.

One of the first steps will be a conference around mid-November in Boulder at which Air Force officials will brief Condon and his associates on earlier UFO reports and investigations. It is hoped that detailed plans for the new study can be formulated by the beginning of February.

In connection with the study, the University announced that "the Air Force has given assurances that all information in its possession which bears on the subject will be made available to the University investigators. The University will be given everything, not merely that which it requests." The contract for the investigation is for 15 months, but the Air Force said the study may be extended if necessary.—D.S.G.



Edward U. Condon



"I assure you, Madam, if any such creatures as you describe really existed, we would be the first to know about it."

Drawing at right by Alan Dunn; © 1966 The New Yorker Magazine, Inc.

Science Vol 154 14 Oct 1966

ANNEX J
page 1

105A.

8B

COMMONWEALTH OF AUSTRALIA

AUSTRALIAN SCIENTIFIC LIAISON OFFICE

A UNIT OF THE BRITISH COMMONWEALTH SCIENTIFIC OFFICE (LONDON)

HOLBORN 3422

AFRICA HOUSE,
KINGSWAY,
LONDON, W.C.2

YOUR REF.

OUR REF.

26th. Dec. 1954

The Secretary,
Department of Air,
Victoria Barracks,
St. Kilda Road,
Melbourne.

Dear Sir,

Under the authority of the Secretary of the Department of Air, the Directorate of Air Force Intelligence arranged for two files of reports dealing with "flying saucers" to be placed at my disposal for analysis. My departure for the United Kingdom in November 1954 curtailed this investigation. The conclusions reached at that stage are given in the attached report.

If there is any desire on the part of the R.A.A.F. to continue this co-operation in any way, Iwould be only too happy to do so.

Yours faithfully,

H. Turner M.Sc.

(H.Turner)

file: 554/1/30 pt 1

8C

REPORT ON "FLYING SAUCERS"

INTRODUCTION

1. In order to assist in assessing two files of reports held by the Director of Air Force Intelligence concerning "flying saucers", a general inquiry into the subject matter was held by the writer. Among the books investigated were the following:-

Keyhoe:	"Flying Saucers From Outer Space"
Menzel:	"Flying Saucers"
Leslie and Adamski:	"Flying Saucers Have Landed"

In addition, numerous periodicals and magazines were found to supply odd reports.

2. The Victorian Flying Saucer Investigation Committee was helpful in supplying further information. The Committee was not aware of any connection with the R.A.A.F.

3. Some local sightings of interest were personally investigated. Such investigations were found to render considerably more information than expected. Finally, discussions were had with various staff members of the Physics Department, University of Melbourne.

4. In this way, it was hoped that a basic understanding of the problem would be achieved.

5. As regards the filed reports, it was the initial intention of the writer to analyse the evidence in an attempt to understand the basic reason causing the then recent wave of saucer reports. However, largely as a result of Keyhoe's book, it would appear that this evidential analysis is no longer necessary. Instead, an attempt has been made to assign each of the various filed reports to some particular category. This is a preliminary move in understanding the methods and motives of these "saucers" rather than determining whether they exist or not.

AMERICAN REPORTS

6. It is worthwhile studying the evidence presented by Keyhoe. This ex-Major of the U.S. Marines purports to publish U.S. Air Technical Intelligence Reports dealing with sightings of "Unidentified Flying Objects". It is almost inconceivable that this is not an official release, as they bear the testimony of Albert M. Chop of the Office of Public Information, Department of Defence, Washington. Direct official confirmation from, say, the U.S. Air Attache or the Australian Liaison Officer in Washington would nevertheless be highly desirable.

7. Some of the cases discussed by Keyhoe are summarised below (in chronological order).

/....2

CONCLUSIONS

8. If one assumes these Intelligence Reports are authentic, then the evidence presented is such that it is difficult to assume any interpretation other than that unidentified flying objects are being observed. This applies particularly to those cases where an object is independently observed to be in a certain position at the one time by means of radar, visual and/or photographic methods. Such combined evidence positively eliminates alternative explanations such as 'spots before the eyes', mass illusions, meteorological phenomena (including temperature inversion), etc. In many cases, the measured velocities and accelerations are highly indicative of objects that are intelligently controlled and whose performance is superior to that known by Western science. Indeed, the superiority is such that it is highly improbable that such objects have a terrestial origin.

9. An extra-terrestial origin is preferred to that of a Russian origin as, even if the Russian forces were so much in advance of the Western group that they could produce such aircraft, it is highly improbable that they would send their secret devices over enemy territory with the attendant risk of capture or breakdown. In addition, espionage would surely be more profitable if undertaken by fifth column activities rather than by the elusive aerial spotting practised by these U.F.O's.

10. The evidence presented by the reports held by the R.A.A.F. tend to support the above conclusion - namely, that certain strange aircraft have been observed to behave in a manner suggestive of an extra-terrestial origin. However, as the Australian evidence is inferior to the American evidence from the viewpoint of proving the real existence of 'flying saucers', the writer has contented himself with a modest attempt at sieving the probable U.F.O. sightings from the probable 'natural phenomenon' category. This is done in Appendix I. If one could regard this initial sorting out as being sufficiently reliable, then reports categorising U.F.O. should be re-examined in an effort to understand the methods of propulsion and the motives for the visitations. Reports that are simply visual have strictly limited analysis value. Many new reports involving instrumental plotting are needed. It is possible to list a number of such recommendations.

RECOMMENDATIONS

1. To increase official interest in U.F.O. reports.

2. To have at least one full-time investigator who is encouraged to interview personally any witnesses involved in an interesting report. Such interviews tend to uncover considerable information and can convert a nebulous report into one suitable for analysis.

3. Some measure of publicity to encourage people to submit their reports. A warning should be given to potential hoaxers that action will be taken if the hoax involves public expense.

4. Liaison established with the U.S. Air Force Intelligence with a view towards exchanging information and verifying Keyhoe's claim.

/...4

5. Request information from the R.A.F. and the Canadian "Project Magnet".

6. An attempt could be made to form a Scientific Advisory Panel to assist in the analysis of reports, provided that in the future these reports are more numerous and of greater detail than most earlier accounts. The first three recommendations should enhance these requirements. The U.S.A.F. and R.A.F. may even be willing to permit such a panel to examine their reports.

7. It is highly recommended that more radar sightings be gained. One radar report is worth many unsupported visual reports. Only radar can supply range, height, speed and true course. Visual aids can add shape and colour and, if synchronised with radar, true size. More radar stations are needed and they should operate for longer periods. Radar operators should be briefed as to the procedure to be adopted when a U.F.O. is suspected. They should be familiar with such things as anomalous propagation and ionised clouds.

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From:- Squadron Leader A. H. Birch, A.F.C.

ANNEX 'J'
page 5

(8A)

Directorate of Air Force Intelligence
Department of Air
Victoria Barracks
St. Kilda Road
Melbourne
Victoria

29th March 1955

Dear Mr Turner

Thank you very much for your interesting and informative report on unidentified Flying Objects. Terry and I are most appreciative of your efforts to assist us in this field.

2. My Director has decided to send copies of your report to both Washington and London, together with some of the more probable of the sighting reports, in an endeavour to learn their official views. If red tape will permit, we will advise you of the results.

3. In compliance with your request to Terry, I am attaching a copy of your report.

4. I do hope you are enjoying your work in England.

Kind regards
Bob Birch

Mr. H. Turner, M.Sc.
Australian Scientific Liaison Office
Africa House
Kingsway
LONDON, W.C.2.

14

D.A.F.I.

1. Reference Mins.2 and 3.

2. Professor Turner accepted Keyhoe's book as being authentic and based on official releases. Because Turner placed so much weight on Keyhoe's work he emphasized the need to check Keyhoe's reliability. Encl.12A removes Keyhoe's work as a prop for Turner's work so that the value of the latter's findings and recommendations is very much reduced.

3. A suitable investigating panel would presumably require representatives from at least:-

(a) Commonwealth Observatory.

(b) Melbourne University Physics Department.

(c) Meteorological Bureau.

(d) Weapons Research Establishment.

(e) R.A.A.F.

(f) Army.

(g) Navy.

(h) D.C.A.

(i) Medical world - specialists in both psychology and the function of the eye.

4. Such a panel could not sit as a panel but would have to act as a number of individuals each considering each incident. Only one or two representatives could interview the people making the report and this would seriously lessen the value of the investigation. I don't think it is practicable or justified.

5. I suggest:-

(a) We have met our commitment to the Minister up to the date of Turner's report.

(b) We should continue on from Turner's work by transcribing recent and future reports onto the U.S.A.F. form at Encl.12C and forwarding them to the U.S.A.F.

Gp.Capt.
D.Ops.

15 Feb.56

12A

AUSTRALIAN JOINT SERVICE STAFF
INTELLIGENCE

EXEC ...E 31940
EXT. 1/

WASHINGTON 25, D. C.

21/5/7

19 Oct 55

BY AIR BAG

Director of Air Force Intelligence
Headquarters, RAAF
MELBOURNE S.C. 1 Australia

6A

FLYING SAUCERS

I refer to Wing Commander Dawsons' DO 1A/1955 of 21 Sep on the above subject.

I have discussed with the USAF the status of Major Keyhoe. I understand that his book is written in such a way as to convey the impression that his statements are based on official documents, and there is some suggestion that he has made improper use of information to which he had access while he was serving with the Marine Corps. He has, however, no official status whatsoever and a dim view is taken officially of both him and his works.

Keyhoe and other writers on this subject have caused the USAF a considerable amount of embarrassment, and I understand that it was largely for the purpose of refuting their arguments and conclusions that the Air Force undertook Project Blue Book, a copy of which you will have received by now. I believe that this publication explains something like 98 percent of the cases reported. The Air Force issued it, not only to counter earlier statements on the subject, but also in the hopes that it would cut the ground from under a new book by Keyhoe which is soon to be published. However, subsequent to its issue the new Secretary of the Air Force refused to agree to its release to the public. This was the subject of my signal DJ650 of 17 Oct 55.

As stated in this signal, I have discussed with the USAF the extent to which the publication can be used by you in replying to the experts who are worrying you. They are quite happy to have you use it as a basis for a statement on the subject, provided you do not directly quote its contents or refer directly to it or its source.

As the Blue Book has been sent to you, I have not made any request for individual reports held by the USAF. However, if you still require them I shall be pleased to do so. New reports of unidentified flying objects are made available to me on the reading panel, and if you wish to have copies of them, please let me know. I have not bothered to take them in the past as I felt that they would be of no use to you.

W.K. Robertson
Wing Commander
RAAF Intelligence Representative

Since writing the above I have received the attached Summary which may be of interest to you.

45A

THE FOREIGN SERVICE
OF THE
UNITED STATES OF AMERICA
Office of the Air Attache
American Embassy

39 Jardine St., Kingston
Canberra, A.C.T.
5 January 1960

SUBJECT: Aerial Phenomena

TO: Directorate of Air Force Intelligence
Administrative Building
Canberra, A.C.T.

Attn: Squadron Leader F. A. Lang

1536 Connecticut Av NW
Washington DC

Dear Sir;

1. With reference to our recent conversation regarding the status of the National Investigating Committee on Aerial Phenomena, we have queried our Headquarters and have received the following reply:

Director

a. The organization referred to is a group of private civilians whose interest is unidentified flying objects and other phenomena. Major Kehoe has no official status although he is a retired Marine officer. United States Air Force press releases and evaluations of Air Technical Intelligence Center are regularly made available to the committee through accredited media. Kehoe is a writer of Science Fiction. He regularly makes unfounded claims that United States Air Force does not reveal information.

2. I trust the above information staisfies your immediate requirements.

3. If we can be of further assistance, please do not hesitate to let us know.

Sincerely,

Mance C. Smith

MANCE C. SMITH
Major, USAF
Assistant Air Attache

DEPARTMENT OF AIR

MINUTE PAPER

554/1/30(36)

(This side only to be written on) 569/6/793(4)

Subject: UFO'S REPRESENTATION TO THE MINISTER

EXEC O AIR

1. In answer to Mr L.V. Peck the following points apply:

   a. There is no substantiated proof of extra terrestial beings having landed in Australia or in fact anywhere on Earth.

   b. Photographs fall into the following categories:

      1. Hoaxes.

      2. Faults in developing process.

      3. Lens flare.

      4. Other photographic anomalies.

      there are no officially reported photographs which do not fall into the above categories.

   c. The Australian Government is not "secretive" about UFO's, as full lists of all sightings are readily available to any person who requires them. Directorate of Public Relations, Department of Air issues these lists. A current list is enclosed.

2. It could be suggested that Mr Peck buys a Bantam Book paper back 'The Condon Report' which is the report of the official investigation carried out in the United States by a scientific team headed by Dr Edward U. Condon. This report contends that there is nothing of an interplanetry nature occupying American air space.

3. It is felt that a considerable ammount of time could be saved if a standard reply could be made for queries such as this. The reply should include the answers on photographic investigations, Dr Condon's report and a statement of the Department's concern with air space security and not scientific investigation.

(R.S. ROYSTON)
Gp Capt
DAFI
(EXT 2422).

21 Aug 69

554/1/30(35)

SECRETARY,

For draft reply for
Minister's Signature, Please

R. Harry Sqdn Ldr
Staff Officer
MINISTER FOR AIR
15/8/69

P.M.B. 194,
Seddon Service,
Kingscote, S.A.,
S.A., 5223.

The Minister for Air,
Canberra.

Dear Sir,

During the past few years, there have been a great number of so called, 'Flying Saucers' (U.F.O.s) sighted, of which many have been photographed. Is it known whether these craft come from a foreign country, planet, or solar system; and if so, what is the Australian Air-force doing to defend a possible attack. If not, why is the government so secretive.

It was reported about eighteen months ago that the occupants of a 'flying saucer' had been captured somewhere in Latin America, - what became of these persons if the report was valid.

Finally, should not the United State's manned space programme be cancelled in case of a possible attack. Thanking you,

Lachlan V. Peck.

DEPARTMENT OF AIR

MINUTE PAPER

(This side only to be written on) 554/1/30(34)

Subject: UFO's RELEASE OF INFORMATION TO PUBLIC

PR 2

1. Could you send out a standard reply to this please, including a summary of sightings.

2. Reply to include following answers.

a. Usual procedure if a report is received by the air force either directly or through local police or Department of civil aviation, ~~then~~ a form is sent to the observer for completion and return.

b. The Air Force investigates all reports received officially and treats each case on its merits.

c. Air Force policy is to investigate sightings from the aspect of security of Australian air space and not in a scientific capacity.

d. All pilots report unusual sightings to Air Traffic Control who forward a form to the Air Force.

e. Most reported sightings have a natural explanation. Between 5% and 10% are not resolved due to insufficient evidence eg. sightings of lights lasting one or two seconds.

f. There are several Societies who investigate reports made to themselves, unfortunately we do not have the addresses.

g. The United States has had a team of scientists, under Dr Condon, investigating UFO's in America for some years. Last year the study was closed, and the report was published as a book in paper back form (Bantam Books). This report contends that there is nothing of an inter-planetary nature occupying American air space.

(T.W. MURPHY)
Wg Cdr
D/DAFI (Ops)
(EXT 2412)

26 Jun 69

(33)

James Warn
17 Spear Ct.,
Altona, Vic.
3018

Tuesday, June 17, 1969.

Directorate of Air Force,
Intelligence,
Canberra, 2600. A.C.T.

Dear Sir,

Iam doing a Social Studies Report on Unidentified Flying Objects and wish to know of some of the activities of the Australian Government on the topic.

Could you please tell me the usual proceedure after a U.F.O. is reported by a citizen of Australia, a pilot or a radar operator. What is the policy towards contactees and the Royal Australian Air Force policy to U.F.O.s. ALso what is a pilot of a civilian or air force plane to do if he sees a U.F.O. in the air like many American pilots have. Do you have any records of aircraft sighting U.F.O.s and where do U.F.O.s come from.

Would you please send any pictures, other information and addresses pertaining to Unidentified Flying Objects and life in outer space.

Thanking you.

Yours Faithfully

James Warn

James Warn.

SCIENTIFIC AMERICAN APR 69.
Lib 554/1/30(32)
UFO
AT-4



BOOKS

The Condon report on unidentified flying objects, and other matters

by Philip Morrison

SCIENTIFIC STUDY OF UNIDENTIFIED FLYING OBJECTS, conducted by the University of Colorado under contract to the United States Air Force. Edward U. Condon, Scientific Director. Daniel S. Gillmor, Editor. Bantam Books ($1.95). More than a decade ago the political struggles that are born of the fears and the strengths of a great nuclear power were made starkly clear in a thick Government document called *In the Matter of J. Robert Oppenheimer*. That work was unrelieved tragedy; its content and its impact were fearful; even its form was austere, unified, concentrated. Once again the reader is presented with a thick official volume of genuinely dramatic interest, describing another unique episode of our times. This document, however, is diffuse, cheerful, catholic, discursively instructive and marvelously illustrated. It is no farce but rather a high and human comedy. In a curious way the two dramas overlap.

This report presents the work of able men, led by a wise physicist of high repute, who have tried to bring order to the disorderly, to make what sense they could out of rumor and hard data, out of cynical fraud and honest and courageous observation. They have succeeded brilliantly, building a monument to reason, to experiment and to intellectual patience, modesty and candor. The heart of their work is the careful study of about 60 unusual reports. Their chief data are the accounts of eyewitnesses; their main instrument is the tape recorder. The thrust of the work, however, is not psychological but physical. Each event is described, and a set of sensible hypotheses is tested against the data. Could the object have been a balloon? Then seek the data on upper-air winds. Was a strong magnetic field used to stop an automobile? Then compare the magnetic pattern of the automobile body with that introduced into other cars cold-formed by the same presses.

The most interesting cases are the ones that present photographic evidence; these have been analyzed with great penetration and alertness, mainly by William K. Hartmann, a planetary astronomer at the University of Arizona. About a quarter of the photographs show evidence of fabrication, a quarter are mistakenly identified normal phenomena, a quarter simply present too little information (point sources or mere luminous blobs), and a quarter are clear enough but lack supporting data for analysis. Only two out of 35 photographic cases remained. Both of them are events of 1950. In one "all factors ... appear to be consistent with the assertion that an ... object, silvery, metallic, disk-shaped, tens of meters in diameter ... flew within sight of two witnesses" (an Oregon man and his wife). Fabrication cannot be ruled out; the position of the object in the same place below a wire in two pictures suggests that it is the small suspended model it resembles, yet photometry of the pictures argues that the object was far away, since its shadowed portion is brightened as though by the scattering of light by the intervening atmosphere. The second event, which yielded 16-millimeter film, shows two bright lights moving slowly across a noonday sky in Montana. They were not meteors (too slow) and not birds (too steady); both aircraft and balloons remain possible but not compelling fits.

So the report goes. The investigators do not contend that they have explained away every event; they are too honest for that. They nonetheless make a real try, and overall they succeed wonderfully. The whole work seems to show conclusively that there is no prima facie case for closer study; no one can think of means that at any reasonable cost would greatly increase our data on such scattered, diverse and transient events. The group tried out a few such schemes; they didn't work at all. The formal conclusion is widely known, and it seems particularly sensible and well supported: "Further extensive study of UFO's probably cannot be justified in the expectation that science will be advanced thereby." Yet if specific ideas for new work appear, let them receive consideration for support on their individual merits. No new agencies, no big plans. New evidence, better than any we now have, would be needed to change this eminently convincing view.

There are many amusing bits. "One evening ... a most articulate gentleman told us with calm good manners ... [in] some detail about how his wife's grandfather had immigrated to America from the Andromeda nebula." A piece of celestial foil turned out to be radar chaff, precisely identified by its makers as to lot, color and material (1145 alloy, Kerstyn lacquer, Acruanx C). It was "manufactured in Brooklyn, New York, U.S.A., and not in some remote corner of the galaxy."

There is a large and interesting section devoted to the physics of optical and radar mirages, to atmospheric electricity and ball lightning, to the surprisingly widespread use of high-altitude balloons, to problems of perception and so on. There is an outline of the prehistory of the UFO's, with a rather discouraging burden of misleading and even false citations on the part of many authors. There are 32 pages of photographs and many sketches and graphs.

One comes away edified, amused, admiring and well satisfied. The report documents how much the story is linked to the national mood of the early 1950's: the concerns of secrecy and the near-paranoia. Even the cogent report made in 1953 by a panel of distinguished physicists, headed by H. P. Robertson, sponsored by the Air Force and the Central Intelligence Agency, reflects that extraordinary atmosphere. It is sad that the CIA still insisted on censoring the old report, so that we learn of Dr. ——, and even "The —— opened the meeting." (*Never* mention the —— in print, the rule must say out there at headquarters.) Careful students will be interested to see an overlap in minor cast between the Oppenheimer hearings and the UFO report. "Foo-fighters" and the cabal called ZORC are both the expertise of one professor. It is clear that a profound

Subject:

PROGRESS

Report of the World Land Reform Conference, 1966

The purpose of the Conference was to provide the Governments of Member States with a forum for the reappraisal of their programme for adjusting agrarian structures, with an opportunity for a thorough assessment of their current policy in the light of economic and social development plans, and for the exchange of experience in the planning and implementation of land reform programmes. 92 pp. $1.50

Urbanization, Development Policies and Planning

Problems and policies connected with urban growth and population distribution. 130 pp. $2.00

Compendium of Social Statistics, 1967

Statistical tables include: Population and vital statistics; Health conditions; Food consumption and nutrition; Housing; Education and cultural activities; Labour force and conditions of employment; Income and expenditure; Consumer prices. Bilingual (Eng./Fr.) $8.75

UNDP/Project Descriptions

Commencing January 1969, the United Nations Development Programme (UNDP) will make available on a subscription basis UNDP Project Descriptions, containing comprehensive information about UNDP-assisted projects approved by the Governing Council. Twice a year, the UNDP Governing Council meets to approve assistance for a large number of pre-investment projects. The projects range from those aimed at developing agricultural and mineral sectors to those intended to create advanced industrial complexes, transport systems and public administrations.

The descriptions are intended as a useful source of information for Governments, the general public, financing institutions and, particularly, commercial firms and organizations interested in contracting opportunities.

Each project description will be about five pages long and will include information on the need for the project within the context of the economic situation of the country concerned; the estimated duration of the project; the objectives of the project and their relation to the national development plan; the work plan of the project; expert services, contracts and equipment needed for the project's implementation; and the budget. Annual subscription (two issues), $65.00

UNITED NATIONS PUBLICATIONS
New York, N.Y. 10017

mistrust both of official science, with its link to weaponry, and of the secret operations of our government suffuses the subject. UFO's are not wholly but in large measure a creature of the American scene circa 1950.

One would have welcomed a brief factual account of the scale and scope of the flying saucer "industry," which today touches even some national publications, and represents a vested interest in mystery. Condon urges that teachers not allot credit for schoolwork on currently available UFO books and articles. He has made that recommendation out of date; this report is well worth broad study at many levels. Finally, it is clear that the UFO reports should not be met by ridicule but by real interest. They are often the faint echo of science itself, men seeking order in a world made anxious not only by fancied fears but also by real ones. That among the witnesses are madmen, rascals and jokers does not single out any group. Science is the stronger for this sincere and expert effort to deal with a public concern.

THE MACHINE AS SEEN AT THE END OF THE MECHANICAL AGE, by K. G. Pontus Hultén. The Museum of Modern Art ($6.95). The text of this book is fresh enough, but the book is literally canned. That is, it is bound between Swedish tinplate covers, embossed and color-lithographed, as apt as they are durable. It is the extensive catalogue by a director of the Stockholm museum who assembled the art exhibition presented in New York in the fall of 1968. He himself observes that it is in no sense a history of the machine; rather, it is "a collection of comments on technology by artists of the Western world." It is full of interest, less for the novelty of the works illustrated and explained than for the fact that it displays so many diverse works, most of which are well known in other contexts. It begins, of course, with a Da Vinci: one design for a pseudo-helicopter. Then comes one of Dürer's fantastic engravings of the cogwheel chariots for Maximilian's paper triumph. The marvelous Neuchâtel automata, real clockwork figures that draw and write, are here, and a strange drawing out of the Italian baroque depicting a street knife-sharpening machine drawn as a man with mechanical parts.

There is a Shortshanks etching of English gentry walking in steam-driven boots, and a familiar anonymous Victorian lithograph of a Mr. Golightly astride a "steam riding rocket." Nonetheless, it is the 20th century that makes the collection. Most of the newest ideas of the artists are seen to be very early: there is an *art nouveau* wax model of a double-decker automobile that could be influential today; op-art illusions, the collage and assembly of machine parts and junk, and kinetic sculpture (the example shown is standing waves in a vibrating metal rod) all began before 1920. The most dazzling concept of this period is the fantastic plan of Vladimir Tatlin for a monument to the Third International in Moscow, which was to have been a slanted steel helix 400 meters high holding four glass-walled chambers of decreasing size, the largest rotating in a year and the smallest daily. "The technical potential to build it did not exist," and even a wooden model 15 feet high was lost, although it was much praised.

The last word also appears, in the self-destructive mechanical comedies of Jean Tinguely, the still or animated tableaus of Edward Kienholz (for example "The Friendly Grey Computer," an electronic chassis in a rocking chair with a doll's legs protruding) and the reactive electronic devices of the organization Experiments in Art and Technology. Altogether this is a summarizing document of a catholic taste. The philosophical analysis of the writer will not always appeal to readers who are closer to the machine than he is.

MILITARY AND CIVILIAN PYROTECHNICS, by Herbert Ellern. Chemical Publishing Company Inc. ($15). Here is an expert's account of a living technology—up to date, coherent and personal. Pyrotechnics is much older and much more conspicuous than its present economic scale would suggest. For this author pyrotechnics can no longer be fireworks alone; he defines it as the technology of the use of the heat and other products from the mainly nonexplosive exothermic reactions of solids. The core of the industry is the safety match; the 400 or 500 billion matches made each year in the U.S. exceed by tenfold the value of all fireworks production. Matches are treated here both historically and technically, although with little attention to the purely mechanical side of their mass production. The safety match has no secret formula; its successful manufacture is based on skillful management of the process, on maintaining uniformity in the face of small changes in materials and external conditions. The key is in details such as the use of the best hide glue ("Peter Cooper Grade IIa extra with foaming properties"); other binders can form a hardened skin over the pyrotechnic material, and the match

(31)

Directorate of Air Force Intelligence

11 JUN '69

554/1/30(31)

Headquarters Operational Command RAAF PENRITH NSW 2750
Headquarters Support Command RAAF Victoria Barracks MELBOURNE VIC 3004

UNIDENTIFIED FLYING OBJECT REPORTS

References: A. 554/1/30 Pt2(27) dated 2nd June 1969

1. It has become necessary to emphasize the need for some thought and effort to be put into Part 2 of the UFO report forms. Some old type forms recently received have only dashes or blanks as answers to specific questions. This does not enable information that has been obtained or sought by the investigating officer to be deciphered.

2. Faults found include:

a. A blank in the section relating to civil aircraft; there was nothing to indicate that an effort had been made to find the answer.

b. One report was left blank in the planet calculation section, where Venus was in fact in the correct position at the time, and was, furthermore, at its greatest brilliancy.

c. The majority of reports have no answers to the last three questions on the old form. This makes the report virtually useless as the investigating officer is the only person with a close enough knowledge of the situation to make an estimate of the cause, unless it has been definitely decided in answers to previous questions.

3. As you no doubt are aware, the public is becoming more and more susceptable to the UFO syndrom, and the press and radio thrive on it. This in turn generates questions in Parliament which require answers sometimes at ministerial level, and unless effort is put into the investigations then the correct answers cannot be given.

4. All units under your command should be advised of the necessity to fully investigate UFO's.

(T.W. MURPHY)
Wing Commander
For Chief of Air Staff

(30)

UFO'S - REPRESENTATIONS TO THE MINISTER

Exec O Air

1. Answers to the questions raised by Mr E. Law are as follows:

a. Yes;

b. Yes - often more serious than the authors of the reports treat them;

c. To the best of our knowledge - No;

d. Yes - all reports and investigations are classified 'Restricted', but summaries of all reports, with the possible cause, are readily available from RAAF Directorate of Public Relations. Enquiries should be sent to them for attention PR2. These summaries are compiled every six months (one is in the process at present) and contain a brief of all reports received. A copy of the summary to December 1968 is attached.

e. No classified information concerning UFO's is held by the RAAF.

2. As you are probably aware the Department of Air is concerned solely with any possible threat to Australian security and does not go into detailed scientific investigations of UFO reports.

3. The United States has had a team of scientists, under Dr Condon, investigating UFO's in America for some years. Last year the study was closed, and the report was published as a book in paper-back form. This report contends that there is nothing of an inter-planetary nature occupying American airspace. A copy of the report is held in this directorate.

4. A copy of the Condon report on the magnesium alloy case is also attached, and it appears that Mr Wilbert Smith did not represent the Canadian Government in its official study of UFO's in Canada.

Attach: (2)

Jun 69

Gp Capt
DAFI

30 ATT 1

SUMMARY OF UNIDENTIFIED AERIAL SIGHTINGS REPORTED TO DEPARTMENT OF AIR, CANBERRA, ACT, FROM 1960

Date of Sighting	Brief Description of Aerial Sighting	Possible Cause
23 Jan 60	Twin Yellow Lights over Launceston, Tasmania. Elevation 20° - 30°	Refraction of light
1 Feb 60	Bright object emitting flashes, moving W to E over Melbourne, Victoria.	Astronomical
26 Mar 60	Spherical, silvery object, elevation 80° - 65°, over Canberra, ACT.	Astronomical
13 Jun 60	Flashing red light and fixed white light over Mangalore, Victoria.	Aircraft
26 Jun 60	Explosion of light with spark showers, elevation 40° en route Melbourne, Victoria, to Launceston, Tasmania	Astronomical
18 Aug 60	Bright flashing object travelling E to W, 160 miles N of Mullewa, WA.	Astronomical
2 Oct 60	Crescent shaped object, horns lighted, 5° above southern horizon, Launceston, Tasmania.	Astronomical
4 Oct 60	"5 flying saucers and a mother ship" cigar shaped, 4 vertical bands, over Cressy, Tasmania.	Astronomical
13 Oct 60	White light, angle of elevation 45°, Mackunda Downs, Queensland.	Astronomical
25 Oct 60	Downs, Queensland.	Astronomical
15 Oct 60	UAS traversing sky, W to E over Launceston, Tasmania	Met balloon with light attached.
18 Oct 60	Slow moving cigar-shaped object similar to aircraft - bright orange rear portion, rest dull grey.	Probably TAA aircraft Viscount VH-TVG
27 Oct 60	Mysterious explosions, Cressy Area, Longford, Tasmania - orange coloured ball hovering in sky, also described as cigar-shaped.	Astronomical
27 Oct 60	Orange/blue/red round object, trailing cloud of sparks, exploded at Poatina, Tasmania.	Astronomical
15 Nov 60	Orange transluscent ball, approx 70 ft in diameter at altitude 35,000 ft heading 140° at high speed.	Astronomical
27 Nov 60	Light in sky over Poatina/Cressy, Tasmania	Astronomical
29 Nov 60	Point of blue/green/red light, just obove horizon, rising slowly over Trevallyn, Tasmania.	Astronomical

The foregoing summary of information prepared in the public interest, includes the final assessment of each sighting reached by Department of Air, CANBERRA, and it is regretted that no further correspondence can be undertaken on this subject.

Date of Sighting	Brief Description of Aerial Sighting	Possible Cause
7 Dec 60	Silvery, disc-shaped formation of 30/40 objects over Launceston, Tasmania, flying southwards.	Flight of pigeons
21 Dec 60	24 grey/blue objects, moving southwards over Great Lakes, Tasmania.	Refraction of light
25 Dec 60	Star like object, 20 minutes to pass over $\frac{1}{4}$ sky over Campbell Town, Tasmania, west to east.	Satellite
5 Jan 61	Bright light in sky, Oatlands, Tasmania	Astronomical
Early Jan 61	Bright, white sphere, 45° from vertical, over Campbell Town, Tasmania.	Astronomical
18 Jan 61	Apparently controlled light, no sound, several sightings around Kerang, Victoria.	Astronomical
12 Mar 61	Bright light, with tail of orange sparks over Indooroopilly Queensland, from N to S.	Astronomical
9 Apr 61	Flashes of light west of Beaconsfield, Victoria, similar to lightning.	Astronomical
23 May 61	Large object like a meteor - position 32305 15240E object broken up.	Astronomical
25 May 61	Dull silvery thermometer-shaped object - Devonport, Tasmania - seen through binoculars.	Aircraft
5 Jun 61	Conical shaped object falling to earth - Darwin, NT.	Astronomical
7 Jun 61	Oval shaped, red-glowing object, Cairns, Queensland, photographed through 4 in telescope	Temperature inversion, sighting of an aircraft.
31 Jul 61	Long white glowing object, flaming tail buzzed train on railway, 285 miles south of Darwin, NT	Astronomical
8 Aug 61	12 objects flying high, in pairs, dropping white substance - Meekatharra, WA.	Probably migrating "balloon spiders"
24 Aug 61	Red light, elevation 3.5° at Hobart airport.	Astronomical
Nov/Dec 61	Golden sphere with silver protuberances on either side - like motor armature, moving and rising in westerly direction, Koorda, WA.	Astronomical
28 Dec 61	Spherical object, emitting flashes of green and orange light - slow moving - Collaroy, NSW.	Astronomical
16 Jan 62	Fiery, rocket-like object across Caulfield, Vic.	Astronomical
23 Jan 62	Green fading to yellow object over East Sale, Vic	Probably private aircraft.

The foregoing summary of information prepared in the public interest, includes the final assessment of each sighting reached by Department of Air, CANBERRA, and it is regretted that no further correspondence can be undertaken on this subject.

Date of Sighting	Brief Description of Aerial Sighting	Possible Cause
30 Jan 62	White spherical object, Manly, NSW	Astronomical
25 Jan 62) 2 Feb 62) 13 Feb 62)	Bright white, planet-like object, sometimes orange and occasionally zig-zagging or changing direction, Fremantle, WA.	Astronomical
3 Mar 62	White spherical object with metal lustre, Manly, NSW	Astronomical
11 Mar 62	Star-like object, 75% elevation to SSW of Flinders Island, Tasmania	Astronomical
13 Apr 62	3 objects, 2 with firey trails, moving from NW direction over Tennant Creek, NT.	Astronomical
5 May 62	White object, zig-zagging, Redcliffe, WA.	Astronomical
5 May 62	Contrail and metallic glint preceding contrail, over Richmond, NSW	Aircraft
7 May 62	Dark glinting object leaving 4 condensation trails - climbing vertically over Holbrook, Victoria	Aircraft
25 May 62	Light, travelling across sky, stops, changes course and gradually disappears, Lucinda Point, Queensland.	Astronomical
25 Jun 62	Glowing red object, great size and speed at Kurrajong, NSW.	Astronomical
22/23 Aug 62	Silver-coloured object over Yass, NSW	Astronomical
16 Aug 62	Star-like object, red/green/blue - slowly moving up/down/right/left over Kimberley, Tasmania.	Astronomical
31 Aug 62	Bright star-like object moving across sky over Denmark, WA.	Aircraft
Aug 62	Starlike object, stationary in sky over Cressy, Tasmania	Astronomical
Aug 62	Moving, star-like object Launceston, Tasmania.	Astronomical
23 Sep 62	Bright cluster of lights moving from S to N - Aircraft en route Christchurch, NZ, to Sydney, NSW.	Astronomical
13 Oct 62	Aircraft like object high over sky, leaving yellowish trail - Canberra, ACT.	Aircraft
30 Oct 62	Large object with red front emitting thick orange coloured exhaust - over Goulburn, NSW	Astronomical
3 Nov 62	Bright metallic glinting needle shaped object flying in straight-vertical path over Cressy, Tasmania.	Aircraft
8 Dec	Yellow, star-like object from S to N in straight path, over Cressy, Tasmania.	Probably Satellite
17 Dec 62	Cylindrical object, with 2 vertical projections travelling NNE/SSW over Norfolk Island.	Aircraft

The foregoing summary of information prepared in the public interest, includes the final assessment of each sighting reached by Department of Air, CANBERRA, and it is regretted that no further correspondence can be undertaken on this subject.

Date of Sighting	Brief Description of Aerial Sighting	Possible Cause
Jan 63	Apparently spherical object, white vapour emitted. Moved downwards in sky over Penna, Tasmania.	Astronomical
15 Feb 63	Grey, rotating object descending and then moving over to West - gave off swishing sound, Moe Victoria.	Tornado like meteorological manifestation
Feb 63	White, spherical object, illuminated, in level flight over Maitland, NSW.	Satellite
27 Feb 63	Two bluish/green lights, oval in shape, oscillating in sky in tandem, Braybrook, Victoria.	Refraction of light.
4 Apr 63	Two bright objects, star-like, side by side, stationary, Tasmania.	Refraction of light.
7 Apr 63	Long slender, silvery-white pencil-like object - soundless, Forster, NSW	Aircraft
19 May 63	Bright red/white object, rising vertically, looked like bulldozer, Mt Gambier, SA.	Astronomical
1 Jul 63	Explosion of light in sky over Melbourne, Victoria.	Astronomical
3 Jul 63	Bright greenish/blue light over Iron Range, Queensland.	Astronomical
19 Jul 63	Bright star-like object, red, stationary over Deloraine, Tasmania.	Astronomical
25 Jul 63	Light grey, circular object, noise like jet engine heard, hovering above Warragul, Victoria.	Tornado
8 Aug 63	Shower of lights over Darwin area, NT, making swishing noise	Astronomical
20 Aug 63	Explosion in sky Turner Station/Ord River Station, SA. Silver spot or streak sighted before explosion.	Re-entry of Cosmos 2.
23 Oct 63	White starlike object, bulbous front and elongated tail - Mt Dandanong area, Victoria	Astronomical
19 Nov 63	Bright orange light, jet engine noise - from W to NW, Moorabin, Victoria.	Astronomical
26 Nov 63	Pinkish/brown starlike object oscillating over Beaumaris, Victoria. Rotating in circular manner towards south.	Astronomical
24 Dec 63	Marks on negative of photo taken at RAAF, Darwin.	Static charge on photo paper during loading of camera

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Date of Sighting	Brief Description of Aerial Sighting	Possible Cause
23 Jan 64	Seen at sea by crew of a vessel NE Point of Groote Eylandt, WA. Large lights in water, made compass go "Haywire". Shadow in centre of lights rotated clockwise, casing lights to pulsate.	Unknown
24 Feb 64 2 Mar 64 8 Mar 64	Bright light like bushfire, Balladonia, WA, Eyre Highway (178 mile peg).	Astronomical
3 Mar 64	White, planet like object, bright light, Bridport, Tasmania.	Astronomical
22 Mar 64	Cigar shaped, travelling sideways, brown colour, at Armidale, NSW	Astronomical
9 May 64	Two moving lights, yellowish, Pascoe Vale, Victoria oscillating in sky.	Refraction of light.
24 Jul 64	Formation of whitish objects over Longreach, Queensland.	Astronomical
1 and 2 Aug 64	Bright headed object, glowing tail over Onslow, WA.	Astronomical
2 Aug 64	Rocket like object, with windows in side, yellow/orange, above Wittenoom Gorge,/Hammersley Ranges, WA.	Astronomical
12 Aug 64	White light moving across sky over Kavieng, Papua and New Guinea - like bright star.	Satellite
17 Aug 64	Bluish star like object, moving in circles over Launceston, Tasmania.	Astronomical
2 Sep 64	Two silvery solid oval objects seen on flight Melbourne/ Canberra	Refraction of light
22 Sep 64	Object like exploding meteorite - lit up surface of sea, Cambridge Gulf, WA.	Astronomical
8 Nov 64	Light at horizon, Lowhead Lighthouse, Tasmania.	Astronomical
8 Nov 64	Long and narrow, red/orange object - travelling fast over Point Sorrell, Victoria.	Astronomical
4 Dec 64	Strip of scrub 600 yds wide, 4½ miles long subjected to extreme heat, Queensland.	Bushfire
13 Jan 65	Apparent aerial objects, with vapour trails, flying in formation over Tasman Sea.	Astronomical
17 Jan 65	Elongated light with tail- oscillating in sky over Trevallyn, Tasmania.	Astronomical
17 Jan 65	Two red lights and line of apparent cabin lights - stationary over Mentone, Victoria.	Refraction of light
23 Feb 65) 30 Mar 65) 1 Apr 65)	Orange lights in sky over South Cottesloe, WA.	Probably Vampire aircraft from RAAF Pearce.

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Date of Sighting	Brief Description of Aerial Sighting	Possible cause.
19 Mar 65	Yellow spherical object moved from overhead to horizon in SE direction - Lakes Entrance, Victoria.	Astronomical
19 Mar 65	Orange spherical object, West Tamar, Tasmania.	Astronomical
21 Mar 65	Sphere with red dome on top; 3 illuminated tails - moving Southwards over Malvern, Victoria.	Weather balloon
22 Mar 65	Yellow steady light from spherical body moved about the sky	Astronomical
24 May 65	2 objects, one above the other, silvery, moved from SSW over Geelong area, Victoria.	Refraction of Light
21 Apr 65	Dark grey/black amorphous object over Pakenham East Victoria - moving erratically up and down	Tornado
5 May 65	Banana shaped, white/orange object over Mowbray, Tasmania	Astronomical
5 May 65	Green changing to orange to green light over Youngtown, Tasmania	Astronomical
13 May 65	Slightly elongated, brightly lit, broke into several pieces, over Griffith, NSW.	Astronomical
13 May 65	Greenish/yellow light travelling fast over Queanbeyan, NSW	Astronomical
25 May 65	Blue light eminating from object coloured red - through to green - wavered in sky. Eminated light sufficient to illuminate beach - Sehulea Papua and New Guinea	Unknown
3 Jun 65	Bright starlike object, increasing in size, Bowen/ Proserpine area, Queensland.	Astronomical
13 Jun 65	Yellowish ball with tail. Emitted brilliant bluish-white flash on disappearing over horizon, Mudginberri Station NT.	Astronomical
17 Jun 65	Bright object, emitting red light directed to earth Passed over Sewataitai, Papua and New Guinea	Astronomical
24 Jun 65	Star shaped object, yellowish/white, moving over Young-town, Tasmania.	Echo 2 Satellite
24 Jun 65	Saucer shape- come top and rows of lights across front and along side - bluish white, red trail, Daunia Station, via Nebo, NT	Astronomical
24 Jun 65	Bright light, oscillating from L to R - Bwaruada, Papua and New Guinea	Astronomical
29 Jun 65	Blue to green, cigar shaped object, red glow at rear Lindisfarne, Tasmania.	Astronomical
29 Jun 65	Bright object with short tail, moving E to W over Launceston, Tasmania	Astronomical

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Date of Sighting	Brief Description of Aerial Sighting	Possible Cause
29 Jun 65	Vivid light blue, circular shape, travelling NS, Longford, Tasmania.	Astronomical
3 Jul 65	Loud humming, glowing object, yellow/white light eminating from object illuminated herd of cattle, Kimberly, Tasmania.	Astronomical
5 Jul 65	Bright white light, near Elliot, Queensland	Satellite
5 Jul 65	Bright light over sea, Tewetewa, Papua and New Guinea	Satellite
12 Jul 65	Bright light oscillating from L to R, Bwaruada, Papua and New Guinea	Astronomical
15 Jul 65	Brilliant white light in sky at moon rise over Murella Park, NT	Astronomical
15 Jul 65	White spherical object, Canberra, ACT	Astronomical
17 Jul 65) 18 Jul 65) 19 Jul 65)	Red glowing cylindrical object, moving from L to R (oscillating) emitting "diesel-engine" sound, Nivani Plantation, Samarai, Papua and New Guinea	Astronomical
22 Jul 65	Bright light turning from red, through white to green and red, Dalby, Queensland.	Astronomical
30 Jul 65	Silver coloured object - disappeared with flash, 70 miles west of Cook, SA	Astronomical
Aug 65	Saucer shaped object with bluish green glow at rim, grey in colour, Vaucluse Beach, Sydney, NSW.	Tornado
1 Aug 65	Bright green/red/white light, Woodstock, NSW	Astronomical
3 Aug 65	Two starlike objects over Frankston, Victoria	Met Balloons
4 Aug 65	Silvery sphere with aerial on top, Orange, NSW	Met Balloon
24 Aug 65	Red/orange body, leaving trail of white, came from SW Lat 1048 south long 13315 East, Western Australia	Astronomical
26 Aug 65	Flashing light travelling NS, Goomalling, WA	Astronomical
26 Aug 65	Spherical, starlike objects, Launceston, Tasmania	Astronomical
14 Sep 65	Flashing red, green, white, flying object, Ganawe, Papua and New Guinea	Astronomical
19 Sep 65	Streak of light, Dubbo, NSW	Astronomical
15 Sep 65	White object sighted west of Port Moresby, Papue and New Guinea. Moved westwards, slowed then sped northwards.	Unknown
27 Sep 65	Bright light in sky WSW of Goroka, Papua and New Guinea. Intensity of light fluctuated. Later disappeared below horizon.	Satellite

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Date of Sighting	Brief Description of Aerial Sighting	Possible Cause
2 Nov 65	Dull vertical narrow beam ascending from sea offshore Bunama Point, Papua and New Guinea	Water spout
27 Nov 65	White, apparently triangular in shape, stationary in sky, under moon, Launceston, Tasmania.	Astronomical
2 Dec 65	Bluish-through-to-reddish light, larger than star, 20° above horizon. Disappeared below horizon after about 10 minutes. Popondetta, Northern Territory.	Satellite
13 Dec 65	Bright object high in sky moving N to S for about 10 minutes at Taroona Tasmania.	Satellite
1 Jan 66	Bright flash high in sky for about 5 minutes which left a smoke trail. Aitape TPNG	Meteor
17 Jan 66	Unusual light effects on two 35 mm colour slides taken at night in Perth WA.	Camera lens aberration
8 Feb 66	Star shaped light 25 degrees above horizon for about 30 minutes at Mitcham Vic	Astronomical
8 Feb 66	Light in S. sky 45 degrees above horizon for 3 hours at Melbourne Vic	Astronomical
20 Feb 66	Light moving rapidly from E to W for about 8 seconds Essendon, Vic	Meteor
21 Feb 66	Bright object at great height moving from S to N for 6 minutes at Richmond NSW	Satellite
28 Feb 66	Star shaped brightlight moving from SE to NW for about 3 minutes at Franklin, Tas	Satellite
2 Mar 66	Moving light high in sky for about 20 minutes at Rosetta Tas	Satellite
26 Apr 66	Star shaped light moving for about 30 minutes at Toorak Vic	Incomplete data

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Date of Sighting	Brief Description of Aerial Sighting	Possible Cause
5 May 66	Radar plot from Melbourne Control Tower held for 9 mins. Contact travelled SW at 87 kts.	Crop dusting aircraft.
6 May 66	A light moving steadily in ENE direction near Ballarat	Satellite
8 May 66	Light reflection observed near Melbourne through field glasses. Est height 8,000' distance 20 n.m. Noted for 10 mins, stationery at first, then descended to 4,500'	Probably an Aircraft.
9 May 66	Circular shaped light with halo effect. Apparent slow movement. Seen near Sale, Vic for about 30 mins.	Astronomical
16 May 66	Object moving from E to W appeared to explode like a green flare and disappear. Duration 3 secs at Daly Waters.	Astronomical
17 May 66	Object observed near Daly Waters at 10.30 pm hovering between two stars for 10 mins.	Incomplete data
18 May 66	Met observer at Daly Waters saw object size and shape of met balloon at azimuth 243° elevation 23° altitude 40,000' moving 243°/46 kts. Noted reversal in track 1 - 1½ mins. Under magnification appeared to be two balloons touching. Time 9.45 a.m.	Probably met balloon from another station
26 May 66	Six red lights which appeared to be at 1500 ft. were sighted at Lismore NSW at 10 pm.	Unknown. Reported too late for investigation.
29 May 66	Silver object glinting in sun seen near Melbourne for 5 - 8 mins. Steady object similar to aircraft climbing.	Probably an aircraft.
26 May 66	Six red lights which appeared to be at 1500 kt. were sighted at Lismore NSW at 10 pm	Unknown. Reported too late for investigation.
2 Jun 6	Stationary light, which later appeared to move, was sighted at Lismore NSW at 9.50 pm.	Unknown Reported too late for investigation.
4 Jun 66	Unidentified lights, which appeared to move slowly were sighted at Lismore NSW at 9.50 pm for about 2 mins.	Unknown Reported too late for investigation
7 Jun 66	Luminous white cloud like sky writers' trail. Flash of light at front end. Time 0845-0905 at Wangaratta Vic.	Aircraft.
8 Jun 66	"Beeping" heard in early hours of morning by woman in Won Wron area.	Incomplete data
9 Jun 66	Incandescent white sphere with a blue tail was sighted at Port Augusta SA at 7.30 pm for about 2 secs.	Meteorite.
13 Jun 66	Near Springvale Vic at 8.05 p.m. Flashing red green and white light proceeding E to W seen for 5 - 10 mins.	Aircraft.
26 Jun 66	A moving red and white light was seen at Eucla WA during p.m. hours.	Incomplete data.
Jun-28, 29, 30 July, 1,2, 4,6,7,14, 22,23,26,27 31. Aug - 1,5.	During p.m. hours at Balliang, Vic, some flashing lights were seen; sometimes only a single light, sometimes in groups just above the ground. All reports from same source.	Lights of aircraft and vehicles.

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Date of Sighting	Brief Description of Aerial Sighting.	Possible Cause.
9 Jul 66	Moving light sighted at Charleville Qld for about 5 mins. at 4.55 a.m.	Satellite
10 Jul 66	Moving light at high altitude was sighted at Kurnell WA for about 5 - 8 mins. between 7.30 and 8.00 p.m.	Probable aircraft.
12 Jul 66	Moving bright light, at elevation approx 60° sighted Murarie Qld for about 1 hr at 6 p.m.	Incomplete data.
28 Jul 66	Moving light at elevation about 45° sighted Paddington NSW for about 15 secs at 4.40 p.m.	Probable aircraft
17 Aug 66	Two moving red lights blinking steadily sighted Sunshine Vic for about 10 mins. at 8.40 p.m.	Aircraft
27 Aug 66	Aerial light followed by an explosion with general movement from W to E sighted Madang PNG at 4.30 a.m.	Meteor
4 Sep 66	Stationary light near horizon seen at Yarram Vic for about 5 mins between 10 and 10.30 p.m.	Astronomical
4 Sep 66	Stationary light near horizon seen at Yarram Vic for about 5 mins at 4.15 a.m.	Astronomical
6 Sep 66	Light which moved from horizon to horizon seen at Middle Park, Vic at 6.55 p.m.	Satellite
6 Sep 66	Light moving in the sky seen at Elternwick at 7.05 p.m.	Satellite
22 Sep 66	Bright light at elevation about 45°, seen at Gymea NSW for about 25 mins at 9 p.m.	Astronomical
6 Oct 66	Moving light at elevation about 20°, seen at Chadstone Vic at 8.30 p.m.	Probable balloon
7 Oct 66	Moving light at great height, seen at Murarie Qld for about 10 mins at 6 p.m.	Satellite
10 Oct 66	Light estimated moving from SE to NW seen at Laverton Vic at elevation approx 15° for 43 mins at 8.22 p.m.	Satellite
12 Oct 66	Very fast light moving from W to E seen at West Footscray Vic for about 5 - 10 mins at 8.35 p.m.	Aircraft
19 Oct 66	Slowly moving light, at elevation approx. 45°, seen at North Melbourne, Vic for about 5 - 10 mins at 7.45 p.m.	Probable met balloon
19 Oct 66	Moving light seen at Pymble NSW for about 5 mins at 8 pm.	Incomplete data
20 Oct 66	Moving light, at extreme height, seen at Flinders Bay WA at 1.30 a.m.	Incomplete data.
21 Oct 66	Stationary light, elevation approx 20°, seen at Canley Vale NSW for about 5 mins at 9.10 p.m.	Astronomical
22 Oct 66	Moving light seen at Kangaroo Valley NSW for about 7 mins at 7.40 pm	Satellite
23 Oct 66	Light at elevation about 80° moving from S to N seen at West Pymble, NSW at 7 p.m.	Incomplete data
26 Oct 66	Moving light seen in Port Headland WA area for about 15 mins at 7.55 p.m. About 1½ hours later a light was sighted for a short duration.	Met balloon
26 Oct 66	Seven WA cattle stations reported a moving object rising in the sky between 7.30 and 8.00 p.m.	Satellite.

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Date of Sighting	Brief Description of Aerial Sighting	Possible cause
12 Nov 66	Lighted object moving fast from N to S for about 10 Seconds at Brisbane, Qld.	Meteorite or satellite
22 Nov 66	Object moving from N to S for about 2 minutes at Daly Waters, N.T.	Probable met balloon.
22 Nov 66	Moving bright red light for about 6 minutes at Willaura, Vic	Aircraft
24 Nov 66	Light moving from W to E for 20 minutes at Brisbane Qld.	Incomplete data
27 Nov 66	Light with black mass on top during a severe electrical storm for 3-4 minutes at Eildon Weir, Vic	Electrical discharge phenomenom
10 Dec 66	Star shaped point of light moving S for about 3 mins at Camberwell, Vic.	Satellite
15-18 Dec 66	Very high light moving from W to E for 15-20 minutes at West Pymble, NSW	Satellite
28 Dec 66	Very high light moving from W to E for 5 minutes at Yarra Glen, Vic.	Satellite
30-31 Dec 66	Very high light in the sky, two sightings at Fingal Tas.	Satellites
4 & 6 Jan 67	Bright light moving from NW to SE for about 4 minutes each sighting at St Kilda Vic.	Satellite
6 Jan 67	Light flashing every 8-10 secs moving SE to NW at great height for 90 seconds at Narribri, NSW.	Tumbling satellite
11 Jan 67	Moving light at Coolac, NSW	Incomplete data
13 Jan 67	Lighted object moving W to E at about 1,000' for 7 seconds at Fawkner, Vic	Aircraft
13 Jan 67	Two red lights moving across sky for about 2 minutes near Camden, NSW	Aircraft
15 Jan 67	Light moving W across sky for 10 minutes at Springvale Vic.	Aircraft
17 Jan 67	Flash in sky, high speed descent of object, then puff of smoke for about 1 minute at Charleville, Qld	Atmospheric entry of meteor.
19 Jan 67	Very high light moving W to E for 45 minutes at Blackburn, Vic.	Satellite
21 Jan 67	Object seen accompanied by loud humming noise for about 1 minute at Maitland, NSW	Nearby debris airborne by Willy Willy
23 Jan 67	Moving lights, appearing and disappearing in low cloud conditions for about 20 minutes at Nambrok, Vic	Light reflections of nearby towns.

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Date of Sighting	Brief Description of Aerial Sighting	Possible Cause
4 Feb 67	Light moving SSW to NNE for 8 minutes at Eildon Weir, Vic.	Satellite
6 Feb 67	Dull red light moving W to E at great speed for 3 minutes at Breamlea, Vic	Astronomical
12 Feb 67	Orange light for about 5 minutes near Dampier, WA	Incomplete data
13 Feb 67	Fiery object with tail for several seconds near Perth, WA (40 miles S)	Atmospheric entry of meteor or satellite
15 Feb 67	Object about 20-30,000 feet moving SW to NE for about 10-15 seconds near Townsville, Qld (30 miles S).	Aircraft
19 Feb 67	Fiery light which descended and disintegrated above ground seen for several seconds at Fernvale, Qld	Atmospheric entry of meteor
20 Feb 67	Bright light descended vertically for 15 seconds at Port Macquarie, NSW.	Atmospheric entry of meteor
21 Feb 67	Light moving from overhead to horizon near Macquarie Light, NSW.	Imcomplete data
22 Feb 67	Lights moving W disappeared below horizon after 15 minutes at Box Hill, Vic	Aircraft
16 Mar 67	Red flashing light then bright white light for several seconds moving E at Picnic Point, Qld.	Aircraft
16 Mar 67	White light appeared from behind cloud and appeared to move in and out of cloud at Cooparoo, Qld	Light reflection on clouds
16 Mar 67	Light moving high from W to E for about 30 minutes at Malvern, Vic.	Satellite
17 Mar 67	Bright light with tail seen from aircraft above cloud for 3-4 seconds about 100 miles N of Brisbane, Qld.	Atmospheric entry of meteor or satellite
19 Mar 67	Star shaped light in W sky seen for about 40 minutes at Currajong, Vic.	Astronomical
21 Mar 67	Object moving from N to S for 4-5 seconds at Forrest Hill, Vic.	Light aircraft
1 Apr 67	Slow moving red light for about 10 minutes at Darwin, NT	Astronomical
12 Apr 67	Slow moving object high in sky for about 10 minutes at Caulfield, Vic.	Astronomical
17 Apr 67	Object sighted at 2000hrs and two at 2200 hrs at Minto, NSW	Incomplete data
22 Apr 67	Slow moving light in sky, SE to NW for about 7 minutes at Coolangatta, Qld.	Astronomical

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Date of Sighting	Brief Description of Aerial Sighting	Possible Cause
3 May 67	Light moving across sky at about speed of aircraft for 5 minutes at Yarrambat, Vic.	Aircraft descending
5 May 67	White light which left white trail moved from NW horizon to SE for about 2 minutes at Mowbray, Tas.	Atmospheric entry of meteor or satellite
6 May 67	Stationary light above horizon disappeared then re-appeared, but smaller in size, during 1 minute at Newnham, Tas.	Aircraft moving from observer
17 May 67	Star shaped object high in sky moving slowly NW to SE for about 1 hour at Thomastown, Vic	Satellite
22 May 67	Light moving N to SE disappeared behind cloud seen for 5 minutes at Kew, Vic	Aircraft
25 May 67	Object moving NW to SE appeared to slowly break up over about 30 seconds at Daly Waters, NT	Atmospheric entry of meteor or satellite
27 May 67	Object above horizon appeared as bright light moving slowly for 7 minutes at Yagoona, NSW	Met. balloon
17 Jun 67	Slow moving red light for about 15 minutes at Burrinjuck NSW	Incomplete data
24 Jun 67	Fire-like object about size of golf ball disappeared over horizon after 3 minutes at St Mary's NSW.	Astronomical
27 Jun 67	Between 2105 hrs and 2200 hrs, 21 separate sightings mainly over S and SE Victoria varying from 1 sec to 30 minutes referred to a bright star-shaped object which rapidly grew to about half full moon size. Most saw a ball of light, travelling horizontally across sky which slowly curved towards earth at shallow angle. Brilliant green or blue-green in colour during 75% of travel it then changed to "hot orange" or "reddish pink" culminating in a "whitish-yellow-orange" bright burst of colour before disappearing. A vapour trail persisted over final path which changed shape and disappeared after 15 minutes.	Atmospheric entry of large meteor
8 Jul 67	Stationary object unusually coloured, low in Western sky for about 30 minutes at Lindenow South, Vic	Light reflections on low cloud
14 Jul 67	Stationary light in W sky about 10 degrees above horizon for 10 minutes at Harbord, NSW	Met. balloon
15 Jul 67	Stationary light in W sky for short duration at Barrenjoey, NSW	Astronomical
17 Jul 67	Light above S horizon descended and disappeared after 30 seconds at Wollstonecraft, NSW.	Astronomical

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Date of Sighting	Brief Description of Aerial Sighting	Possible Cause
20 Jul 67	Silvery object with trail descended at steep angle at Karoonda, SA. Duration unknown.	Atmospheric entry of meteor or satellite
22 Jul 67	Lighted object seen moving for 7 seconds at Kinglake West, Vic.	Incomplete data
28 Jul 67	Very high star shaped light seen for 45 minutes at Kalbar, Qld.	Astronomical
30 Jul 67	Large, steady, circular green light which disappeared into distance after 10 minutes at Musswellbrook, NSW	Aircraft
31 Jul 67	Light changing from orange to white to green which descended steeply with dull red sparks during 10 seconds at Coffs Harbour, NSW	Atmospheric entry of meteor or satellite
2 Aug 67	Red light larger than falling star which broke into pieces leaving trail during 10 seconds at Collaroy, NSW	Atmospheric entry of meteor or satellite
3 Aug 67	Lighted object moving across sky for 20 minutes at Melton South, Vic.	Aircraft
4 Aug 67	Light, high in sky, descending straight with smoke trail for 10 seconds at Dee Why, NSW.	Atmospheric entry of meteor
11 Aug 67	High bright light moving from S to N for 10 Seconds at Brookfield, Qld.	Satellite
11 Aug 67	Lights moving to NW and climbing for 5 minutes at Yarraville, Vic	Aircraft
15 Aug 67	Bright light above horizon in W sky for 5 minutes at Alberton, Vic.	Astronomical
16 Aug 67	Bright light above horizon in W sky for 11 minutes at Yarram, Vic.	Astronomical
16 Aug 67	Light above horizon in W sky for 3 minutes near Foster, Vic.	Astronomical
28 Aug 67	Light moving from S to NE at altitude for about 20 minutes at Bondi, NSW.	Aircraft
29 Aug 67	High bright light moving rapidly for about 5-12 seconds from SW to NE leaving trail. Four sightings at Ivanhoe Mac Leod, Rosanna and Foster in Vic.	Atmospheric entry of meteor.
1 Sep 67	High light in sky, moving W to E leaving trail, seen for 5-7 seconds at Mount Egerton, Vic.	Atmospheric entry of meteor
23 Sep 67	High light moving slowly for 3-4 minutes at Riverslea, Vic.	Astronomical
23 Sep 67	Small light, larger than a star, flashing orange to dull red, moving across sky for 2 minutes at Coogee, NSW	Aircraft

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Date of Sighting	Breif Description of Aerial Sighting	Possible Cause
4 Sept 67	Flash of light moving downwards just above eastern sky near Melville, WA	Incomplete Data
9 Sept 67	Flash of light then an object moving slowly to the north west at Alice Springs, NT	Met balloon
12 Sept 67	Bright moving light with red and white light at rear near Dee Why, NSW	Aircraft
23 Sept 67	Rapidly moving object which seemed to break into smaller pieces at Donald & Watchem, Vic	Atmospheric entry of meteor
8 Oct 67	Light at great height moving across sky at Perth, WA	Satellite
17 Oct 67	Trail with object in front at great altitude seen for 6 seconds at Gordon, NSW	Atmospheric entry of meteor
22 Oct 67	Bright light which appeared to move rapidly downwards sighted for 2 seconds near Darwin, NT	Atmospheric entry of meteor or satellite
22 Oct 67	Light at great altitude moving from northerly to southerly direction at Norwood, SA	Satellite
23 Oct 67	Light moving from Carlton towards Essendon at Carlton, VIC	Aircraft
24 Oct 67	Light moving near Fern Tree Gully, Vic	Incomplete data
24 Oct 67	Light grey object moving to the south east sighted for about 15 seconds at Sunshine, Vic	Aircraft
24 Oct 67	Light at great altitude moving to the east sighted for about 7 minutes at Toorak, Vic	Satellite
24 Oct 67	Object moving north disappeared into cloud sighted for 30 seconds at Crowsnest, NSW	Aircraft
28 Oct 67	Light moving just above horizon for 30 seconds near Box Hill, Vic	Aircraft
4 Nov 67	Light at altitude moving from southerly to northerly direction sighted for 3 minutes near Altona, Vic	Satellite
10 Nov 67	Light moving rapidly from north to south at Gympie, Qld	Atmospheric entry of meteor
11 Nov 67	Object 50° above horizon moving south east at Paddington, Qld	Aircraft

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13 Nov 67	Light above horizon near Blakehurst, NSW	Incomplete Data
19 Nov 67	Light sighted for 5 secs moving rapidly to the south west at Sandringham Vic	Atmospheric entry of meteor
19 Nov 67	Ten minute sighting of bright light moving towards the east near Ipswich, Qld	Satellite
21 Nov 67	Lighted object over iron ore pellet plant Dampier, WA	Local Atmospheric conditions
22 Nov 67	Object moving in and out of cloud sighted for about 1 minute near Wiluna, WA	Aircraft
23 Nov 67	Lights moving from east to north west sighted for about 10 minutes near Melton South Vic	Aircraft
26 Nov 67	Lighted object moving along main road at about 25 mph which suddenly disappeared near Kimberley Downs Station, WA	Not known
29 Nov 67	Bright light moving slowly from south to north for about ½ minute near Dalby, Qld	Met balloon
29 Nov 67	Light moving from east to west at great speed leaving a trail sighted for two seconds at Darwin NT	Atmospheric entry of meteor
30 Nov 67	Object moving from east to west sighted for about 10 seconds near Perth airport, WA	Aircraft
6 Dec 67	Bright light 15° above horizon in the east sighted for several hours at Gymea Bay, NSW	Astronomical
13 Dec 67	Bright light moving across sky sighted for about 30 minutes at Currumbin, Qld	Satellite
15 Dec 67	Object moving from west to east at great altitude near South Pritchard	Satellite
30 Dec 67	Starlike light moving from north to south and sighted for about 5 minutes at Brisbane, Qld	Satellite
31 Dec 67	Starlike object sighted for 20 minutes moving from west to east at Nedlands, WA.	Satellite
31 Dec 67	Object at great altitude moving from south west to north east sighted for 2 minutes at Cabramatta, NSW	Satellite
31 Dec 67	Light moving at great speed from south to north in Botany Bay area NSW	Atmospheric entry of meteor
1 Jan 68	Light moving rapidly across sky and breaking up into smaller lights at Rockhampton, Qld	Atmospheric entry of meteor

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Date of Sighting	Brief Description of Aerial Sighting	Possible Cause
8 Jan 68	Object at great height moving from west to east sighted for five minutes near South Yarra, Vic	Satelitte
13 Jan 68	Bright light with flashing red and green lights manoeuvring near Chadstone, Vic	Aircraft
15 Jan 68	Light moving from west to east at great altitude at Mitcham, Vic	Satellite
16 Jan 68	Red and green lights moving from west to east and climbing near Melton South Vic.	Aircraft
17 Jan 68	Light moving from north to south sighted for about 30 seconds at Zillmere Qld	Aircraft
19 Jan 68	Object at great altitude moving towards the east sighted for 7 minutes at Penshurst NSW	Satellite
19 Jan 68	Light at height moving rapidly from west to east and breaking up into smaller lights at Ashfield	Atmospheric entry of meteor
20 Jan 68	Light with long trail moving rapidly from west to east for about 20 seconds at Wagga, NSW	Atmospheric entry of meteor
22 Jan 68	Object moving from east to west near Morapoi Homestead, WA	Met balloon
27 Jan 68	Light like a star moving across the sky sighted for 15 minutes near Brahma Lodge, SA	Satellite
27 Jan 68	Light at altitude moving from north to south at East Sale, Vic.	Satellite
31 Jan 68	Light at great height moving from north to south east sighted for 5 minutes at Dolans Bay	Satellite
6 Feb 68	Lights moving from south to north sighted for about 15 seconds at Perth, WA	Incomplete data
12 Feb 68	Light at great altitude moving towards south east for 10 minutes at Toorak, Vic	Satellite
13 Feb 68	Bright light in eastern sky sighted for about ten minutes near Chadstone, Vic.	Astronomical
13 Feb 68	Time 0030 hrs Duration 90 mins. Weather fine. Light moving from south to north at great altitude at Barmera, SA.	Satellite
20 Feb 68	Time 1948 hrs. Duration ½ minute. Weather fine. Light at great altitude moving from west to east at Cannon Hill.	Satellite
22 Feb 68	Time 1930 hrs. Duration 5 minutes. Bright light very high, moving towards the east in a straight line at Zillmere, Qld	Satellite

The foregoing summary of information prepared in the public interest, includes the final assessment of each sighting reached by Department of Air, CANBERRA and it is regretted that no further correspondence can be undertaken on this subject.

Date of sighting	Brief Description of Aerial Sighting	Possible Cause
23 Feb 68	Time 0145 hrs. Duration several seconds. Weather 6/8 low cloud. Light in sky which appeared to move slowly away from observer at Carlingford, NSW	Mascot meteorological search light on cloud
8 Mar 68	Time 2030 hrs. Duration 5 secs. Weather fine. Light appeared to be falling at great speed at Yass.	Atmospheric entry of meteor
19 Mar 68	Time 2000 hrs. Duration approx. 40 minutes. Weather fine. Flashing red and green lights moving towards north west, at Sale, Vic.	Aircraft
21 Mar 68	Time 2055 hrs. Duration 5 minutes, light moving north west then turning to the south and fading during the turn at Armadale, WA.	Aircraft
24 Mar 68	Time 0100 hrs. Duration 10 minutes. Light accompanied by low humming noise travelling from West to east at Point Leo, Vic.	Aircraft
1 Apr 68	Time 1917 hrs. Duration unknown. Weather fine. Light at great height moving from south west to north east at Bacchus Marsh, Vic.	Satellite
9 Apr 68	Time 1910 hrs. Duration 5 minutes. Weather fine. Light moving north west then north at Williamstown, Vic.	Aircraft
9 Apr 68	Time 1905 hrs. Duration unknown. Weather cloudy. Light moving from west to east in a straight line at Thornbury, Vic	Satellite
10 Apr 68	Time 1850 hrs. Duration not known. Weather fine, $\frac{3}{8}$ cloud. Flashing red light moving in various directions and being lost at times due to cloud at Williamstown Vic.	Aircraft
10 Apr 68	Time 1917 hrs. Duration 1 minute. Light moving in a straight line from west to east at Flinders Is.	Satellite
10 Apr 68	Time 1855 hrs. Duration unknown. Weather fine. White light at great altitude moving very rapidly from south to north at Williamstown, Vic	Atmospheric entry of meteor
12 Apr 68	Time 1900 hrs. Duration 10 mins. Star like object moving at great height at Manly, NSW	Satellite
22 Apr 68	Time 2030 hrs. Duration 5 mins. Bright light 5° above horizon moving in a straight line from north to south, at Newcastle, NSW	Satellite
24 Apr 68	Time 0330 hrs. Duration 1-2 hrs. Light just above horizon moving upwards at very slow rate at Maffra, Vic	Astronomical
25 Apr 68	Time 1800 hrs. Duration 2 minutes. Weather fine. Light moving in a northerly direction at Longwarry Vic.	Aircraft

The foregoing summary of information prepared in the public interest, includes the final assessment of each sighting reached by Department of Air, CANBERRA, and it is regretted that no further correspondence can be undertaken on this subject.

Date of Sighting	Brief Description of Aerial Sighting	Possible Cause
25 Apr 68	Time 0430 hrs. Duration about 1 hour. Light about 10° above horizon moving extremely slowly upward, at Wayfield, Vic	Astronomical
3 May 68	Time 2200 hrs. Duration 1 minute. Weather fine. Light moving towards the east disappearing over the horizon at Smithfield, NSW.	Satellite
3 May 68	Time 2046 hrs. Duration 2 mins. White light moving north along Tamar, then turned red and moved off to left at Trevallyn, Tas.	Aircraft
4 May 68	Time 0800 hrs. Duration 2 mins. Dull white light flashed brightly twice moving east at Launceston, Tas.	Aircraft with sun reflecting off fuselage
9 May 68	Time 1850 hrs. Duration 5 mins. Flashing lights moving W to S at Parkside, SA.	Aircraft
10 May 68	Time 1855 hrs. Duration 2-3 secs. 5 lights moving in straight path to S.W. at Queenstown, SA	Aircraft
11 May 68	Time 0510 hrs. Duration 30 secs. Orange light Stationary then moved to West at Clapham, SA	Aircraft
17 May 68	Time 0700 hrs. Duration 7 mins. Light circled water tower in dark overcast then hovered over approaching car before disappearing at Warradale SA.	Optical illusion from car lights in overcast
18 May 68	Time 2330 hrs. Duration about 4 mins. Starlike object moving N to S at Castlemaine, Vic.	Satellite
19 May 68	Time 2050 hrs. Duration about 1 sec. Lighted object on straight path moving rapidly to N.W. at Fitzroy, Vic	Meteor entry
23 July 68	Time 1730 hrs. Duration unknown. Bright yellow/ orange light turning to black ball falling rapidly at South Yarra, Vic	Aircraft passing from direct sunlight on descent.
24 July 68	Time 1245 hrs. Duration 10 minutes. Circular silver object stationary then moving quickly S.E. to N.E. at Dee Why, NSW	Met balloon from Mascot
31 July 68	Time 2325 hrs. Duration 3-9 minutes. Orange/ yellow sphere moving E to W disappeared over horizon at Henley Beach, SA.	Optical illusion in rain and cloud
31 July 68	Time 1827 hrs. Duration 2 minutes. Small bright light moving at 'aircraft' speed from city towards Dandenong. Seen from Mitcham, Vic	Aircraft
July 68	Reported in October. Time 1130 hrs. Duration 10 secs. Bright light, like polished silver, in shape of Aircraft wings at Chatswood, NSW.	Aircraft in sunlight

The foregoing summary of information prepared in the public interest, includes the final assessment of each sighting reached by Department of Air, CANBERRA, and it is regretted that no further correspondence can be undertaken on this dubject.

Date of Sighting	Brief Description of Aerial Sighting	Possible Cause
3 Aug 68	Time 0625 hrs. Duration about 5 minutes. White light turned into flicking red lights, appeared stationary then moved towards Melbourne at Forest Hill/Templestowe, Vic.	Aircraft
5 Aug 68	Time 2045 hrs. Duration 10 minutes. White and flashing red lights over Phillip Bay, NSW.	Star observed through haze
11 Aug 68	Time forenoon. Duration 5-10 minutes. Silver metallic object appeared to separate from aircraft at Cremorne, NSW.	Object separating from aircraft
11 Aug 68	Time about 1845 hrs. Duration 2 minutes. Brilliant aircraft type light from S.W., no noise, at Dandenong, Vic.	Aircraft
11 Aug 68	Time about 1915 hrs. Duration 5 minutes. Flashing red light moving E to W at aeroplane speed at Trafalgar, Vic.	Aircraft
12 Aug 68	Time 0516 hrs. Duration 3-4 secs. Bright yellow/ orange light from N to S at Leederville, WA.	Aircraft
17 Aug 68	Time 2045 hrs. Duration 3-4 minutes. Three bright orange/red lights joined together moving W to E at Strathfield, NSW.	Aircraft
18 Aug 68	Time about 1830 hrs. Duration 35 minutes, Brilliant blinking light, one large and two small, stationary and no noise at West Pymble, NSW.	Incomplete data but probable aircraft
18 Aug 68	Time about 2000 hrs. Duration unknown. Light moving S. to S.E. size and shape of large star at Wickham, NSW	Satellite
18 Aug 68	Time 2015 hrs. Duration 4 secs. (2 sightings) Bright light in straight descent, very fast, at Warrandyte, Vic	Meteor
19 Aug 68	Time 1810 hrs. Duration 5-10 mins. Bright light N to S. Jet noise and trail of sparks at Strathfield, NSW.	Aircraft with landing lights on
21 Aug 68	Time 1700 hrs. Duration 30 minutes. Light like pale star moving slowly to E. at Woodville, SA	Incomplete data but probable aircraft
23 Aug 68	Time 0140 hrs. Duration unknown. Aircraft shaped object with row of lights and glow at rear moving at "tremendous" speed from Coogee to Mascot.	Aircraft landing at Mascot
25 Aug 68	Time 0100 hrs. Duration 1-2 minutes. Bright white and intermittent red lights moving N to S about 'jet speed' with beam of light to ground at West Pymble, NSW.	Aircraft
25 Aug 68	Time 2000 hrs. Duration about 12 minutes. Light moving in triangular pattern. Lost for 5 minutes then reappeared moving to S. at Church Point, NSW	Two aircraft, one in landing pattern, and one departing for Melbourne

The foregoing summary of information prepared in the public interest, includes the final assessment of each sighting reached by Department of Air, CANBERRA, and it is regretted that no further correspondence can be undertaken on this subject.

Date of Sighting	Brief Description of Aerial Sighting	Possible Cause
27 Aug 68	Time 1855 hrs. Duration 1 hour. Bright light manouvered in sky. Object appeared and disappeared and seemed to repeat pattern at Box Hill, Vic.	Aircraft
28 Aug 68	Time 2030 hrs. Duration 10 secs. "Jet noise" and circular orange light with spark trail at Toowoomba, Qld.	Atmospheric entry of meteor or satellite
1 Sept 68 and 15 Sept 68	Times 1955 and 0444 respectively. Duration 1½ minutes and unknown. Bright gold/red light bigger than star at Rabaul TPNG.	Satellites
3 Sept 68	Time 0347 hrs. Duration 30 secs. Light blue flame with sparks travelling W to E at Rockhampton, Qld	Atmospheric entry of meteor or satellite
9 Sept 68	Time 1628 hrs. Duration 1-2 secs. RAAF Sabre pilot saw "Shining light" travelling at high speed over Avalon, Vic, Fine clear afternoon.	Refraction of light in canopy
15 Sept 68	Time 1520 hrs. Duration 3 minutes. Three delta shaped objects one bright, metallic, two dull, moving S to N over Daly Waters, NT.	Aircraft
28 Sept 68	Time 1910 hrs. Duration 3 minutes. Three round orange lights, viewed through car window, lights stationary and in line at Kurnell, NSW.	Reflection of street lights in car window
8, 10 & 11 Oct 68	Time about 2045 hrs. Duration 35 minutes. White light changing to red and blue occasionally moving slowly NW in straight path over Launceston, Tas.	Satellite
18 Oct 68	Time 2347 hrs. Duration several minutes. Aircraft lights seen and tracked on radar in path of RAF aircraft at Darwin, NT.	Unidentified aircraft
18 Oct 68	Time 1840 hrs. Duration about 3-5 minutes. Bright light moving to N. NW at Deagon, Qld.	Aircraft
20 Oct 68	Time 2112 hrs. Duration 15 secs. Silver-grey object following and then veering from aircraft at McLeod, Vic.	Particle separation from aircraft
20 Oct 68	Time 2330 hrs. Duration 30 secs. Explosion then light falling slowly, trailing smoke at Brisbane, Qld.	Flare used from previous day's fireworks display
4 Nov 68	Time 2240 hrs. Duration 5 minutes. Bright light like star, from S.W. to N then N.W. over Launceston, Tas.	Satellite
7 Nov 68	Time 1440 hrs. Duration 1 minute. Object skimming about 4 feet above ground then rising into air behind house at San Souci, NSW.	Childs toy
12, 13 & 21 Nov 68	Times 2230, 2140 & 2055 respectively. Duration varying from 20-60 minutes. Bright light moving W to E over Avalon, Vic also seen by air traffic control & Meteorology section at Laverton	Atmospheric "Space debris"

The foregoing summary of information prepared in the public interest, includes the final assessment of each sighting reached by Department of Air, CANBERRA, and it is regretted that no further correspondence can be undertaken on this subject.

Date of Sighting	Brief Description of Aerial Sighting	Possible Cause
13 Nov 68	Time 1220 hrs. Duration 53 minutes. Radar contact tracked by automatic radar. Travelled towards RAAF Darwin, NT and then veered S.W. at 17-25 kts. No visual sighting.	Flock of birds
25 Nov 68	Object embedded in ground at Normanton, Qld	Part of Satellite
26 Nov 68	Time 2030 hrs. Duration 5-10 minutes. Luminous pink sphere moving east then S.E. Surrounded by aura of red and green at Coburg, Vic	Met balloon
30 Nov 68	Time 2200 hrs. Duration 4-5 minutes. Large deep yellow light moved slowly and intermittently towards observer then veered south at Evandale, Tas.	Met balloon

30 APP 2

pended in a lacquer. Identification is possible since the slip coating was color coded (red for Revere and, I believe, blue for Reynolds and green for Anaconda).

Generally speaking, the slip coat was last used in the fabrication of chaff units RR 39/AL and RR 44/AL. Your sample dipoles (tuned to S-band) could have come from either unit. These units were last produced in 1955-56 although a considerable supply was reworked in 1961-63. Since that time occasional small lots have been produced for test purposes. It is possible that some of this material was dropped by aircraft.

However, associating the chaff with a reported sighting of a UFO leads us to suspect another source. The chaff in question has been and is being used as a payload for sounding rockets and balloons. These devices are used to carry the chaff payload up to high altitudes and then the material is released for radar tracking. In some balloon devices, the chaff dipoles are supposed to remain within the balloon but occasionally they fall free.

Quite a few agencies employ these devices, among them Sandia Corp., Albuquerque, New Mexico and Dewey-Almy Chemical Corp., Cambridge, Mass. Perhaps they can associate a sounding device launch with the time of your reported sighting.

We can assure you, however, that the chaff in question was manufactured in Brooklyn, New York, USA and not in some remote corner of the galaxy.

Conclusion:

The material consisted of radar chaff dipoles manufactured by Revere Copper and Brass, Inc.

Case 4
Greenwich +3
Fall 1957
Investigator: Craig

Abstract:

A small piece of corroded magnesium metal, widely acclaimed as a fragment from an alien vehicle which exploded over a beach in Greenwich +3, was analyzed. The analysis disproved claims that the material was of greater purity than earthly metallurgical technology was capable of in 1957. Claims of extraterrestrial origin of the magnesium are thus based solely upon hearsay information which was never authenticated.

Background:

UFO writings commonly refer to pieces of ultra-pure magnesium which reportedly were once part of an alien vehicle which exploded over a beach in Greenwich +3 in 1957. According to the accounts, the claim of alien origin was supported by the fact that the magnesium was of a higher purity than human technology was then capable of producing; therefore, the material must have come from another culture. These claims are developed in great detail in *The Great Flying Saucer*

Hoax by Coral E. Lorenzen (1962). Mr. and Mrs. Lorenzen generously offered their magnesium samples to us for analysis.

The story of the origin of the samples had not been authenticated. A newspaper item, written by a society columnist, presented a letter which the columnist allegedly received, along with fragments of metal, from an "admirer" who could not be identified because his signature was illegible. The letter identified its writer as a fisherman who saw a flying disc approach the beach at unbelievable speed, turn sharply, and explode. The disc reportedly disintegrated into thousands of burning fragments, some of which fell into shallow water where they were recovered by the fisherman, who said that some of these fragments accompanied the letter.

The fisherman has never been located or identified, and it has not been established that the columnist actually received the letter from a third party.

An interested civilian obtained the metal from the columnist, and, according to his account, took it to the Mineral Production Laboratory of the Agriculture Ministry of the country, where analysis showed it to be magnesium of greater purity than human technology could produce.

Investigation:

It was impossible to verify any relationship between the magnesium fragments and an UFO sighting. However, the degree of purity of the magnesium could be determined and since great weight has been given to the claim that the metal was of phenomenal purity, the project decided to have the Lorenzen sample analyzed.

Purified magnesium normally contains few impurities in sufficient quantity for detection by emission spectroscopy. An indication of the degree of purity attainable by known technology to 1957 was contained in a report of analysis (dated 23 May 1951) of magnesium which had been purified by eight successive sublimations. The analytic information furnished by Dr. R. S. Busk, Research Director, Metal Products Department, Dow Chemical Company, showed only Al, Zn, Ca, and Na present in detectable quantities as listed below, and given in parts per million of the sample. All other elements shown in the report were not present in quantities sufficient to be the symbol < merely indicate the limits of detectability for each element by the analytical method used.

Table

	PPM		*PPM*
Al	2	Sn	<10
Cu	<10	Zn	2
Fe	<4	Ba	<1
Mn	<2	Ca	8
Ni	<4	K	<5
Pb	<5	Na	3
Si	<10	Sr	<5

Mr. Busk informed us that his company has supplied samples of sublimed magnesium on request for at least 25 yr., and sent us a sample of triply-sublimed magnesium for purity comparison with the specimen.

Since we assumed we would be looking for extremely small quantities of impurity in the samples, we chose to analyze the two samples by neutron activation, the most sensitive analytical method currently available. The work was done by the Research and Methods Evaluation Group, Alcohol and Tobacco Tax Division, Internal Revenue Service, under the direction of Mr. Maynard J. Pro. The neutron irradiation and subsequent gamma spectrometry were observed by the project investigator and original analytical data are retained in project files. Results of neutron activation analysis showed the impurities listed below, given in parts of impurity per million parts of sample (PPM). Elements shown as N.D. (not detectable) were not present in sufficient quantity for detection. Limits of error in all cases are based upon most extreme estimates of analytical error, and the uncertainty indicated probably is overly generous. Figures for the first five elements shown were obtained by direct gamma spectrometry after neutron activation. Cu, Ba, and Sr values were obtained by gamma spectrometry after radio-chemical separation of the elements. It is obvious from these results that the magnesium is not nearly so pure as the Dow product.

Table

	Dow Mg	*UFO Mg*
Mn	4.8 ± 0.5	$35.0 \pm 5.$
Al	N. D.(<5)	N. D. (<10)
Zn	$5. \pm 1.$	$500. \pm 100.$
Hg	2.6 ± 0.5	N. D.
Cr	5.9 ± 1.2	$32.0 \pm 10.$
Cu	0.4 ± 0.2	3.3 ± 1.0
Ba	N. D.	$160. \pm 20.$
Sr	N. D.	$500. \pm 100.$

For the neutron activation analysis, a small portion of the sample was broken off, and leached in HCl solution to remove surface impurities. After washing, this portion (which then had a bright metallic surface) was analyzed. The absence of Cl in the post-irradiation gamma spectrum showed both that Cl was not present in the sample itself and that washing of the leached sample was complete.

The quantity of MG^{27} isotope produced by neutron activation of Mg^{26} was also measured. This measurement showed that the magnesium isotopic ratio in the sample not differ significantly from that of other natural magnesium samples.

While the sample proved not to be especially pure, the relatively high strontium concentration was particularly interesting, since Sr is not an expected impurity in magnesium. Dr. Busk knew of no one who intentionally added Sr to com-

mercial Mg. Additional work was therefore undertaken to determine if the sample, while not pure, might nonetheless be unique. The additional analytical work consisted of microprobe analysis and metallographic examination, and was done by Dr. Busk's staff at the Dow Metallurgical Laboratory. Again the work was monitored by the project investigator.

Dr. D. R. Beaman's report of this work states:

> The electron microprobe analysis of the Mg-UFO revealed that Sr and Zn were present in extremely low concentrations and were not present in detectable localized regions of high concentrations. This does not preclude the possibility of a fine dispersion of precipitates. The metallographic examination of the cleavage matrix (negative numbers 64486-64499) by H. Diehl coupled with the probe results and the known solubilities of Sr and Zn in Mg suggests that these elements are present in solid solution.

Metallographic examination showed large, elongated magnesium grains, indicating that the metal had not been worked after solidification from the liquid or vapor state. The grain structure was thus not consistent with an assumption that the sample had been part of a fabricated metal object. Rapid quenching of a melted fragment was not indicated.

Since the strontium apparently had been added intentionally during manufacture of the material from which the sample came, Dow Metallurgical Laboratory records were checked to see if such material had been produced in the past by that particular laboratory. The records revealed that, over the years, experimental batches of magnesium alloy containing from 0.1% Sr to 40% Sr were produced. As early as 25 March 1940, the laboratory produced a 700 gm. batch of magnesium containing nominally the same concentration of Sr as was contained in the sample.

Conclusion:

Since only a few grams of the magnesium are known to exist, and these could easily have been produced prior to 1957 by common earthly technology, the composition and metallographic characteristics of these samples themselves reveal no information about their origin. The mere existence of these samples cannot serve to support an argument that they are fragments from material of extraterrestrial origin.

Since none of the additional information about this case is other than hearsay, it is not possible to establish any relationship between the small pieces of magnesium and a "flying disc."

Case 5
South Central
Fall 1957
Investigator: Craig

554/1/30 (29) ~~26~~

ERIC LAW,
394 HUNTINGDALE RD.,
CHADSTONE.
VICTORIA. 3148

12th May, 1969

The Minister of Immigration,
The Right Honorable B. M. Sneddon,

Dear Sir,

My name is Eric Law and I am a constituent in your electorate. I bring a matter to your attention which my friends and myself consider very important. The subject is 'Unidentified Flying Objects' (UFO's).

We are not, as yet, members of any civilian UFO research organization. I have followed with interest the UFO mystery over the past few years, and I am now reasonably informed on the subject.

It has been confirmed by various authorities that UFO activity is gradually increasing all over the world. Although thousands of people, many of them eminent people, have witnessed these craft, there exists official denial or censorship of information regarding the sightings. Some of the explanations given to the public have been preposterous indeed.

Apart from the fact that these craft have been pursued by USAF armed interceptors, tracked on radar, and caused electromagnetic interference with television and radio, definite physical evidence of their existence has been found and analysed by scientists. I give two examples briefly: One case, made public, involved the examination of fragments from an exploded UFO in 1957. A metallurgical analysis by Dr. Luisa Barbosa of the Spectrographic Section of the Mineral Production Laboratory of Brazil showed the fragments to be 100% pure magnesium. It was at that time beyond our technology to produce 100% pure magnesium.

Mr. Wilbert Smith, a respected scientist, headed the Canadian research project in the field of UFO's. Speaking on the subject of Unidentified Flying Objects before the Illuminating Engineering Society, Canadian Regional Conference, at Ottowa on January 11, 1959, Wilbert Smith said: "Various items of 'hardware' are known to exist, but are usually clapped into security and are not available to the general public".

/2.

554/1/30

Little information has been given out by the air forces, and governments of the world, however, much has been gathered by civilian investigators. Reports and books are numerous on the subject.

As Australians we are naturally more interested in the Australian Government's attitude on the matter, so we have written this letter to you, Sir, in expectation of receiving some answers to the following questions:

(a) Does the Government have a policy on UFO's?

(b) Does the Government regard UFO's as serious business?

(c) Has the subject ever been openly debated in Parliament?

(d) Is it the Australian Air Force's responsibility alone to investigate UFO sightings, and issue official explanations on them?

(e) If the Government has classified information concerning UFO's, what are it's reasons for not making the information public?

Please reply to us at your earliest convenience.

Thank you,
Yours sincerely,

M. Wilkinson, Bank Officer, (UFO Eye Witness)

E. Law, Lithographic Retoucher

K. Cooley, Sales Representative

A. Tupman, Production Assistant

B. McLean, Advertising Manager

P. Watts, Lithographic Printer

G. Morrison, Insurance Clerk

Capt. L. Masters, Aust. Regular Army

S. Masters, Housewife

V. Baker, Insurance Broker

S. Baker, Production Manager

P. Scott, Insurance Clerk

L. Calender, School Teacher

MINUTE PAPER

554/1/30

(This side only to be written on)

Subject: UFO'S - REPRESENTATIONS TO THE MINISTER

Exec O Air

1. Answers to the questions raised by Mr E. Law are as follows:

   a. Yes;

   b. Yes - often more serious than the authors of the reports treat them;

   c. To the best of our knowledge - No;

   d. Yes - all reports and investigations are classified 'Restricted', but summaries of all reports, with the possible cause, are readily available from RAAF Directorate of Public Relations. Enquiries should be sent to them for attention PR2. These summaries are compiled every six months (one is in the process at present) and contain a brief of all reports received. A copy of the summary to December 1968 is attached.

   e. No classified information concerning UFO's is held by the RAAF.

2. As you are probably aware the Department of Air is concerned solely with any possible threat to Australian security and does not go into detailed scientific investigations of UFO reports.

3. The United States has had a team of scientists, under Dr Condon, investigating UFO's in America for some years. Last year the study was closed, and the report was published as a book in paper-back form. This report contends that there is nothing of an inter-planetary nature occupying American air space. A copy of the report is held in this directorate.

4. A copy of the Condon report on the magnesium alloy case is also attached, and it appears that Mr Wilbert Smith did not represent the Canadian Government in its official study of UFO's in Canada.

Attach: (2)

Jun 69

Gp Capt
DAFI

554/1/30 (28)

DAFI

3 JAN 67

DPR

SAUCER MILLAR

U.F.O. Reports.

1. The total number of U.F.O reports received at DAFI are enclosed for your information and listing.

2. On the last page (Pg 7) there are three entries marked Inv. I.P. (investigation in progress), and not all details are known.

3. If there are any queries contact 7th D Jordan on EXT 2409.

K. Jordan K. JORDAN Flt Lt A1-9 2409

(27)

Directorate of Air Force Intelligence

-2 JUN '69

554/1/30 Pt2 (27)

Headquarters Support Command RAAF Victoria Barracks MELBOURNE VIC 3004
Headquarters Operational Command RAAF PENRITH NSW 2750

UNUSUAL AERIAL SIGHTING REPORTS

1. In an attempt to obtain slightly more scientific data on sightings, the Defence Science Section has requested that the following report forms be used.

2. The use of these forms will enable a decision to be made by Defence Science personnel as to whether the sighting warrants further investigation. As Defence Science are the advisors on the reports it would be appreciated if the use of the new form could be instituted as soon as possible.

3. To be of value all questions must be answered in writing, as a dash conveys no information at all. On the spot evaluation and some indication of the nature of the occurrence is necessary as this office has no first hand knowledge of the situation and therefore is not in a position to make a satisfactory "questimation" on the cause.

(T.W. MURPHY)
Wing Commander
For Director of Air Force Intelligence

RESTRICTED

REPORT ON UNUSUAL AERIAL SIGHTING

Part I - Report by Observer

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

1. Name of observer.....Age.....

2. Address of observer.....

.....Phone.....

3. Occupation of observer.....

4. Date and time of start of observation.....

How certain is the date?.....

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

5. Duration of observation.....

How accurate is your estimate?.....

6. Observer's location at time of sighting.....

.....

How familiar is observer with this locality?.....

7. Weather conditions at time of observation.....

.....

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

.....

9. Where was object first observed:

(a) Relative to your surroundings.....

.....

(b) angle of elevation.....

(c) compass angle bearing.....

(d) 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?.....

(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).....

.....

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:

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

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

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

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

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

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

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

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

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

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

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

* Give location of nearest ATD or ATA.

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

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

.....

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

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

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

General wind profile.....

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

Was it know to have burst?.....

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

38. Any remarks on satellites, rockets, research balloons, 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)

.....

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

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

(26)

OFFICE OF THE AIR ATTACHÉ
1735 EYE STREET, N.W.
WASHINGTON, D. C. 20006
TELEPHONE 659-2600

AUSTRALIAN EMBASSY
WASHINGTON, D. C.

IN REPLY PLEASE QUOTE 5/40/AIR

22nd January 1969

Director of Air Force Intelligence
Department of Air

CONDON REPORT ON UFO'S

Reference: A. Your AI 545 dated 16th January 1969 (23)

1. Forwarded herewith is the report by Dr. Edward Condon on the study conducted for the USAF on Unidentified Flying Objects.

2. In anticipation of great public interest in this report, the USAF passed the report to Bantam Books for publication in this form for sale to the public.

(H.J. HUXLEY)
Wing Commander
for Air Attache

Enclosure

RESTRICTED

FOLIO 25

ROYAL AUSTRALIAN AIR FORCE

TELEPHONE: PENRITH 2331

TELEGRAPHIC ADDRESS:
"AIRCOMMAND SYDNEY"

HEADQUARTERS OPERATIONAL COMMAND
RAAF
PENRITH 1W NSW

DEPT. OF AIR
554-1-30
pps. DAFI. 15-3-69

IN REPLY QUOTE 5/15/Air(25)

8th January 1969

DAFI

Headquarters
RAAF Base
DARWIN NT 5793

INVESTIGATION OF UNIDENTIFIED FLYING OBJECTS (UFOs)

1. With effect from 1st February 1969, the responsibility for investigating UFO reports in Western Australia, above latitude 23° South, excluding North West Cape, is delegated to RAAF Base Darwin in lieu of RAAF Base Pearce.

2. Operational Command Air Staff Instruction 3/A/5 para 2 will be amended.

(B.J. HAYES)
Squadron Leader
for Air Officer Commanding

For Information

Secretary Department of Air Russell Offices CANBERRA ACT 2600
Headquarters Support Command RAAF Victoria Barracks MELBOURNE VIC 3004
Headquarters RAAF Base PEARCE WA 6085

RESTRICTED

RECD.
17 JAN
C.A.S.

RECD.
17 JAN 1969

IRB171W [redacted]

[redacted]RAYWPP

[redacted]

[redacted]

R 222025Z

FM RAAFAIRATTWASH

TO DEPAIR [redacted]

[redacted]

RESTRICTED

24

JAN 23 CANBERRA JOINT INTELLIGENCE CEN ROUTINE

R E S T R I C T E D A377 FOR DAFI. CONDON REPORT ON UFO'S YOUR AI545 16JAN69. REPORT IN FORM OF BANTAM BOOK PAPERBACK BEING SENT AIRMAIL TODAY.

[redacted]

AC

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

COPY

CAS

INFORMATION COPY

RESTRICTED

NNNN

Form A 224
(January 1966)
C.D. [illegible]96
F Sig [illegible]2

ROYAL AUSTRALIAN AIR FORCE
MESSAGE FORM

23

No.

FOR COMM CEN/SIGNALS USE ..... File 554/1/30 Pt 2

PRECEDENCE - ACTION	PRECEDENCE - INFO	DATE - TIME GROUP	MESSAGE INSTRUCTIONS
ROUTINE	ROUTINE	150210Z	

From	DEPAIR	PREFIX GR
To	* RAAFATTATTWASH	SECURITY CLASSIFICATION (Messages referring to a classified message must be classified Restricted or above) RESTRICTED
		ORIGINATOR'S NUMBER AI 545
Info		

FOR WG CDR HURLEY PD REQUEST INFORMATION AND IF POSSIBLE A COPY OF REPORT ON RESEARCH CARRIED OUT FOR USAF ON UFO'S BY DR EDWARD CONDON OF UNIV OF COLARADO

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

Page..... of .....Pages	Tick appropriate box: This message [ ] refers / [ ] does not refer to a classified message	DRAFTER'S NAME	OFFICE	TEL No.
		A K JORDAN	AI-4	24

FOR OPRS USE	R	DATE	TIME	SYSTEM	OPERATOR	D	DATE	TIME	SYSTEM	OPERATOR	RELEASING OFFICER'S SIGNATURE AND RANK:

* Leave half an inch between addresses on same line

RESTRICTED

(22)

Directorate of Air Force Intelligence

2600

554/1/30 Pt 2 (22)

18 Dec 68

Headquarters Operational Command
RAAF
PENRITH N.S.W.

INVESTIGATION OF UNIDENTIFIED FLYING OBJECTS

References: A. Your 5/15/Air(23) dated 6 Dec 68

B. HQ Pearce 5/9/Air(7) dated 16 Oct 68

1. This Directorate has no objection to the suggestion made by Pearce that Darwin should investigate incidents within the Darwin SAR boundary.

2. It is recommended that you now amend your Air Staff Instruction to incorporate the above suggestion.

(J.F.W. PEMBRIDGE)
Wing Commander
For Director of Air Force Intelligence

RESTRICTED

RESTRICTED

ROYAL AUSTRALIAN AIR FORCE

DEPT. OF AIR
23.9.68
590-1-1
DAFI
554-1-30
FOLIO 21

TELEPHONE: PENRITH 2331

TELEGRAPHIC ADDRESS:
"AIRCOMMAND SYDNEY"

HEADQUARTERS OPERATIONAL COMMAND
RAAF
PENRITH 1W NSW

IN REPLY QUOTE 5/15/Air(23)

-6 DEC '68

refer folio 17.

Secretary
Department of Air
DAFI
Russell Offices
CANBERRA ACT 2600

INVESTIGATION OF UNIDENTIFIED OBJECTS

References: A. Your 2/25/1(15) 25th March 1966
B. HQ PEARCE 5/9/Air(7) 16th October 1968

1. This Headquarters has examined the proposal recommended at reference 'B'. No difficulties can be foreseen if RAAF Base Darwin is made responsible for investigating UFO reports in Western Australia, above latitude 23° South, excluding North-West Cape, viz, within the Darwin SAR boundary.

2. Accordingly it is recommended that paragraph 5 of reference A be amended.

3. On receipt of your concurrence, Operational Command Air Staff Instruction 3/A/5 para 2 will be amended.

(B.J. HAYES)
Squadron Leader
for T/Air Officer Commanding

RESTRICTED


REC'D.
29 DEC 1968
AIR REGISTRY
CANBERRA

RESTRICTED

20

Director of Air Force Intelligence

2600

- 6 DEC '68

554/1/30 Pt2(20)

Headquarters Operational Command
RAAF
PENRITH NSW

RELEASE OF REPORTS ON UNIDENTIFIED FLYING OBJECTS

Reference: Your 5/15/1/Air(37) dated 26 Nov 68

1. Information on sightings of unidentified flying objects is released by the Directorate of Public Relations and enquiries of this nature should be sent to RAAF PRO. Sqn Ldr N.F. Millar (PR2) Department of Air.

2. As you are probably aware the Department of Air is concerned solely with any possible threat to Australian security and does not go into detailed scientific investigations of UFO reports.

3. It is suggested that you deal with any further enquiries by passing on the above information. Meanwhile a summary of UFO sightings is enclosed for dispatch to Mr R. Withnell.

(D.R. SHEPPARD)
Group Captain
Director of Air Force Intelligence

Encl:

RESTRICTED

RESTRICTED

(19)

Directorate of Air Force Intelligence

2600

- 6 DEC '68

554/1/30 Pt 2(19)

Headquarters Support Command
RAAF
Victoria Barracks
MELBOURNE VIC

RELEASE OF REPORTS ON UNIDENTIFIED FLYING OBJECTS

1. There has recently been a number of enquiries from the public as to the most likely causes of certain UFO sightings.

2. All information on sightings of UFO's is released by the Directorate of Public Relations and enquiries by the general public about UFO reports, should be sent to the RAAF PRO, Sqn Ldr N.F. Millar (PR2) Department of Air.

3. As you are probably aware the Department of Air is concerned solely with any possible threat to Australian security and does not go into detailed scientific investigations of UFO reports.

(D.R. SHEPPARD)
Group Captain
Director of Air Force Intelligence

RESTRICTED

RESTRICTED

ROYAL AUSTRALIAN AIR FORCE

DEPT. OF AIR
580/1/1
580-1-30
PAS DAF
23-9-68

18

TELEPHONE: PENRITH 2331

TELEGRAPHIC ADDRESS:
"AIRCOMMAND SYDNEY"

HEADQUARTERS OPERATIONAL COMMAND
RAAF
PENRITH 1W NSW

IN REPLY QUOTE 5/15/1/Air(37)

26 NOV '68

DAF/

Secretary
Department of Air
Russell Offices
CANBERRA ACT 2600

REPORTS OF AERIAL OBJECTS OBSERVED

1. Attached is a copy of a letter onforwarded from Department of Civil Aviation. Would you please advise this Headquarters the policy regarding the release of reports on aerial objects observed to private individuals and UFO Clubs.

2. Alternatively Department of Air may wish to reply direct to Mr. R. Withnell.

J.C. Luker

(J.C. LUKER)
Flight Lieutenant
For T/Air Officer Commanding

Enclosure: 1. Copy of Letter

RECD 26 NOV 1968 C.A.S.

RESTRICTED

14/105

ENG. 32A
REC. 23 OCT 1968
FILE 63/1789

51/29 THE CRESCENT,
MANLY, 2095. N.S.W.
28th. October, 1968

PA 12/0

Dear Sir,

I wish to ask a few questions regarding U.F.O.'s, or Flying Saucers.

I am an active member of a number of U.F.O. clubs. In the Picton Unidentified Flying Object Research Society (whose president holds a Batchelor Of Science degree), I hold a position as the committee leader of the Mapping Section. I am also a sightings investigation officer.

I have 38 personally investigated sightings, including 2 from England. Only 2 or 3 of these sightings have been reported to other investigating bodies, and only 1 of the 38 is regarded as a hoax.

I have spent 3 years trying to plot flight routes of U.F.O.'s. I have finally worked out from about 100 sightings covering mainly N.S.W., with a few from Victoria and Queensland, a symmetrical grid which the U.F.O.'s seem to use. But a lot of work is needed to confirm whether this grid actually exists.

I know that the Department of Civil Aviation did at one stage, (at least in 1955) seriously investigate U.F.O. sightings, and may even still do so.

Could you please tell me if the D. of C.A. still investigates U.F.O. reports?

Is there any way I could get copies of sightings?

If it is permissable, could you tell me the range of the radar at Mascot Airport?

Has Mascot any radar readings of U.F.O.'s on:-

January 21st, 1968.
January 22nd, 1968.
August 25th, 1968.
October 11th, 1968.
October 19th, 1968.

Also, could you please find out if there was a report of an aeroplane (I think it was a Viscount) chasing, or which saw a red and white U.F.O. above south Burragorang Valley area on the night of August 27th, 1968.

I am 19, do not regard myself as a crackpot, and believe in the serious, scientific research of U.F.O.'s.

I realize you may not be able to help me at all, but any help would be greatly appreciated. Hoping to hear from you soon,

Yours sincerely,

Ray Withnall.

80


RECD
28 NOV 1958

DEPT. OF AIR
DAF1
554-1-30
23.9.68
FOLIO 17

ROYAL AUSTRALIAN AIR FORCE

TELEPHONE: East Bullsbrook 200

Headquarters
RAAF Base
PEARCE WA 6085

IN REPLY QUOTE 5/9/Air(7)

16th October 1968

DAF1

Department of Air
Russell Offices
CANBERRA ACT 2600

INTELLIGENCE - REPORTS OF AERIAL OBJECTS OBSERVED
OPCOM ASI 3/A/5

1. From time to time reports are received at RAAF Base PEARCE from miscellaneous sources, on the sighting of unidentifiable aerial objects. Some of these reports received have originated from above latitude 23° south, viz, Port Hedland, Dampier, etc.

2. Whereas OPCOM ASI 3/A/5 paragraph 2 states that investigations into UFO reports received be conducted by the nearest RAAF Base, it would greatly facilitate expediency of investigation within Western Australia, if reports received from above latitude 23° south, excluding NORTH-WEST CAPE, viz, within the DARWIN SAR boundary, were investigated by RAAF Base DARWIN.

(G.A.MARTIN)
Flight Lieutenant
For Officer Commanding

For Information

Command Intelligence Officer Headquarters Support Command RAAF Victoria Barracks MELBOURNE SCI VIC 3000
Headquarters Support Command RAAF Victoria Barracks MELBOURNE SCI VIC 3000
Headquarters RAAF Base DARWIN NT 5793

REC'D.
21 OCT 1968
C.A.S.

REC'D.
18 OCT 1968
AIR REGISTRY
CANBERRA

16

Russell Offices

2600

554/1/30 Pt 2(16)

18 SEP '68

Mr R. Allen
c/- Murray High School
Queenstown
TASMANIA

Dear Mr Allen,

1. In reply to your letter dated 24th August 1968 requesting information concerning U.F.O. sightings at Kalgoorlie, W.A. The RAAF has had no notification of these sightings and can therefore not help you in this particular instance. As all reported sightings of U.F.O's are forwarded to this Department it seems that an official report and subsequent investigation have not been made.

2. To help you in your project there is enclosed a brief summary of all reported sightings from January 1960 to May 1968.

Yours sincerely

(K. JORDON)
Flight Lieutenant
for Chief of the Air Staff

DEPT. OF AIR
RBS DAFI
580-1-1
5.6.68

FOLIO
15

ROYAL AUSTRALIAN AIR FORCE

TELEPHONE: East Bullsbrook 200

Headquarters
RAAF Base
PEARCE WA 6085

IN REPLY QUOTE 5/9/Air(141)

6th September 1968

DAFI

Department of Air
Russell Offices
CANBERRA ACT 2600

1. Attached is a letter addressed to this Headquarters by a Mr. Neil R. ALLEN of QUEENSTOWN, Tasmania, on UFO sighting information.

2. Mr. Allen has been informed that DEPAIR would contact him in due course regarding the matter.

RECD.
- 9 SEP 1968
C.A.S.

(D.J.READ)
Squadron Leader
For Officer T/Commanding

Encl.

For Information

Headquarters Support Command RAAF Victoria Barracks MELBOURNE SCI VIC 3000

A14.

Please contact ~~the~~ PR people who will be able to deal with ~~this~~ request.

12 Sept 68.

(15A)

c/- Murray High School,
Queenstown,
Tasmania.
24-8-'68

Flt-Lieut G.A. Martin,
RAAF Base,
Pearce,
Western Aust.

Dear Mr. Martin,

I have addressed this letter to you as I do not know the name of your department.

I am writing in connection with a recent U.F.O. sighting near Kalgoorlie by two commercial pilots, Mr. G. Smith and Mr. W. Gardiner.

For some weeks I have been investigating U.F.O. reports in Tasmania and attempting to build up a record of all Tasmanian sightings. I have only begun as yet, but the reports I have investigated have made me very curious as to the nature of these objects. However I do not want to restrict things to Tasmania alone, and hence would request, if it is possible, any information possible on this sighting, including, as far as is allowable, the results of your investigation.

I am a teacher of science and mathematics at the above High School.

Yours faithfully
Neil R. Allen.


REC'D.
-9 SEP 1968

(14)

554/1/30(14)

10 SEP '68

Headquarters Support Command
RAAF
Victoria Barracks
MELBOURNE VIC 3004

UNIDENTIFIED FLYING OBJECT REPORTS

1. Enclosed is a copy of the U.F.O. report used by Operational Command. It appears to be slightly better than the one used in the last batch of reports from your Headquarters.

2. It would be appreciated if reports could be standardised using the Operational Command format.

3. Could you ensure that units answer all questions, a dash does not convey any meaning. In particular, an on the spot unit evaluation is required, as a third hand "guestimation" from this office is of no value.

(K. JORDAN)
Flight Lieutenant
For Chief of the Air Staff

RESTRICTED

INTELLIGENCE - REPORT OF AERIAL

OBJECT OBSERVED

(Operational Command ASI 3/A/5)

PART 1 - REPORT BY OBSERVER

1. Name of observer.....AGE.....

2. Address of observer.....

.....PHONE.....

3. Occupation of observer.....

4. Date and time of observation.....

5. Duration of observation.....

6. Observers location at time of sighting.....

7. Weather conditions at time of observation.....

.....

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

.....

9. Where was object first observed? (eg, overhead, coming from behind a hill, over the horizon). .....

.....

10. What first attracted observer's attention? (eg, light or noise).

.....

11. Did object appear as a light or as a definite object?.....

.....

12. If there was more than one object:-

(a) how many were there?.....

(b) in what formation were they?.....

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

14. What was its apparent shape?.....

15. Was any detail of structure observable?.....

16. Was any method of propulsion obvious?.....

17. Was there any sound?.....

18. What was its height? (or angle of elevation).....

19. What was its speed? (or angular velocity).....

20. Was the object stationary?.....

21. What was the direction of flight with reference to landmarks or points of the compass?

.....

22. Did the object remain on a straight path, deviate, or manoeuvre at all?

.....

23. Was any trail of exhaust, vapour, or light seen?.....

.....

24. Where did object disappear? (eg, in mid-air, behind a hill, over the horizon)

.....

25. Do you know of any physical evidence? (such as fragments, photographs, or other supporting evidence)

.....

26. Have you observed any unusual phenomena previously?.....

27. If so, give brief details of incident(s).....

.....

28. State any experience which enables observer to be reasonably certain about the answers given to 18 and 19.

.....

29. Are you a member of any organization interested in aerial phenomena?

.....

30. Name and address of orgainsation.....

.....

31. Any additional information which relates to the sighting.

.....

.....

.....

.....

.....

.....

.....

PART 2 - UNIT EVALUATION

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

Aircraft type.....

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

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

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

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

Aircraft type.....

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

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

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

34. Calculations show that the following planets or major stars were in that portion of the sky at the time:-.....

.....

35. A meteorological balloon was released from.....

at.....Z and could have been in the reported UFO

position at the time.

36. The State Observatory in the nearest capital city affirms that aerial phenomena in that portion of the sky at the time were

.....(comet, meteorite shower, etc).

37. Any other relevant remarks (eg, about satelites, rockets, research balloons).....

.....

38. There is conclusive evidence that the object reported was.....

.....

.....

39. The object reported could have been.....

.....

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

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

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

(13)

554/1/30(13)

10 SEP '68

Headquarters Operational Command
RAAF
PENRITH N.S.W.

UNIDENTIFIED FLYING OBJECT REPORTS

1. These reports are returned for two reasons:

a. They are not on the correct proforma.

b. They have not been investigated to the best of the ability of the officer conducting the inquiry.

(K. JORDAN)
Flight Lieutenant
For Chief of the Air Staff

(12)

10 SEP '68

554/1/30(12)

Headquarters
RAAF Base
PEARCE W.A. 6085

UNIDENTIFIED FLYING OBJECT REPORTS

1. Reference your 5/9/Air(138), the form used to record the sighting by Reverend Brother B.C. Manion, is out of date. A copy of the correct proforma is attached. All questions on the proforma are required to be answered, particularly the unit evaluation, as only the investigating officer can gain a first hand opinion of the cause of the particular phenomenar.

2. The abovementioned report is returned for possible cause/ comments explanation, signature and notation on "attachments" referred to in question 6.

(N.J.G. WATLING)
Squadron Leader
For Chief of the Air Staff

(11)

554/1/30(11)

27 AUG '68

Headquarters Operational Command
RAAF
PENRITH N.S.W.

UNIDENTIFIED FLYING OBJECTS

1. Attached are two reports of unidentified flying objects, returned for completion of unit evaluations.

2. The reports as submitted are of no use in compiling records of unidentified flying object sightings.

(K. JORDAN)
Flight Lieutenant
For Chief of the Air Staff

4 JUN 1968

McKinna stated that, whereas 201 Australian soldiers have died during the whole Vietnam war, it is estimated that 3,200 persons will die on Australian roads during 1968? Does the Minister agree that many protesters against the war in Vietnam have their priorities badly mixed up?

Mr SINCLAIR—I am not in a position to say how many Australians have been killed or injured in the course of the war in Vietnam. It is true that, having regard to the number of fatalities on our roads last year, we can expect that more than 3,200 people will be killed on our roads this year. The conclusion drawn by the honourable member from the comparison of fatalities in Vietnam and fatalities on our roads speaks for itself. Naturally every member of the Australian community is very concerned at the high incidence of fatalities on our roads. A considerable measure of publicity is given to this problem. One sometimes wonders whether, in considering their order of priorities, members of the Opposition have as much concern about fatalities on Australian roads as they have about their explanations of their understanding of the war in Vietnam.

SUPERANNUATION

Mr GRIFFITHS—I direct a question to the Prime Minister as Leader of the Government. Will Cabinet, prior to the introduction of this year's Budget, review the financial plight of superannuation pensioners in the light of increasing costs and their falling standard of living? Are superannuitants receiving net pensions of upwards of $60 a week much worse off financially than other pensioners receiving $40.50 a week plus fringe benefits of tax relief, free pensioner medical service, Postal Department concessions and concessions in respect of rates and travel? If in its financial proposals for 1968-69 the Government does not ease the means test, will the Prime Minister consider the feasibility of providing taxation relief and free hospital and medical services for recipients of superannuation, thus eliminating a longstanding anomaly?

Mr GORTON—The honourable member has asked whether Cabinet will give consideration to a matter of policy at a particular time. Announcements as to policy and the consideration of policy by Cabinet are, I understand, matters not appropriate to be dealt with at question time.

UNIDENTIFIED FLYING OBJECTS

Mr STOKES—I ask the Minister for Air a question which relates to representations which I have made to him on behalf of the Commonwealth Aerial Phenomena Investigation Organisation, requesting a government grant to assist with research into unidentified flying objects. Has the Minister seen recent Press reports of sightings of unidentified flying objects in the Wonthaggi district of Victoria? Is he in a position to say whether some Commonwealth assistance in this matter may be expected?

Mr FREETH—I have acknowledged receipt from the honourable member of representations seeking Commonwealth assistance in the investigation of reports of unidentified flying objects. This matter is being considered. I cannot undertake to give the honourable member very great encouragement, because as far as governments are concerned, no precise determination has ever been made as to where science fiction begins in relation to reports of unidentified flying objects or to what extent the reports are related to reality.

Mr Stokes—The United States of America is making investigations.

Mr FREETH—I know that far more intensified investigation of this matter is proceeding in the United States. I hope to be able to give the honourable gentleman a reply to his representations in the near future.

AUSTRALIAN SERVICEMEN KILLED IN VIETNAM

Mr JAMES—I ask the Minister for the Army a question. Is it a fact that the Army has three or four different scales of burial costs for Australian servicemen killed in Vietnam and returned to Australia for burial according to whether the Army wholly arranges the burial, whether the parents arrange a non-military funeral or whether the parents or relatives hold a private funeral? Is a special rate allowed for the burial of officers?

→ DAFI [redacted] (Flt Lt Cattell)
Copy for file 554/1/30

BAO/CAS

569/5/451

UNIDENTIFIED FLYING OBJECTS - CONFERENCE

Minister (through Secretary)

1. At folio 20 on this file is a request from the Secretary of the Canberra U.F.O. Research Society for an officer of the RAAF to give a talk at a final public session to be held next week-end in Canberra during the Third Conference of the Commonwealth Aerial Phenomena Investigation Organisation.

2. The specific request made has been that an officer not only attend, but also bring with him a synopsis of UFO sitings investigated by the RAAF to date.

3. This particular request does raise some considerable problems which may be summarised as follows:-

a. There is difficulty in finding a suitable officer to attend for the purpose. Under present arrangements the Directorate of Air Force Intelligence is the Directorate which is responsible for the co-ordination and investigation of Unidentified Flying Objects Reports.

b. Primarily the Department of Air and the RAAF's interest in flying objects has been concerned with the Defence (Air) aspects of the Commonwealth and has not been concerned with any other aspects related to say the scientific nature of such sitings.

c. There does not appear to be any other Commonwealth Agency or organisation involved in this matter, and subsequently this Department has become the "Commonwealth authority" on UFO sitings, although as I say its prime interest has been with Air Defence aspects in particular.

4. In 1965 Mr Roberts gave an address to the Ballarat Astronomical Society, and a copy of this paper at the time is attached in the material being sent to Mrs Klein. Mr Roberts is still in the Department with the Operational Research Office. However it is not part of his responsibility to be associated with this particular subject, and he has not been involved for the last three years.

5. The possibility of an officer from the Directorate of Air Force Intelligence being sent has been considered, but to send an officer from this Directorate, underlines that our interest in this subject is that associated with Air Defence/Intelligence aspects, and this could cause some problems and lead to some unwanted publicity.

6. Taking all factors into account at this stage, the reply at folio 21 attached has been prepared on the basis that an officer cannot be made available, but that the attached material might be useful to the Conference. This reply is accordingly referred for your signature.

Copy for 554/1/30

.../2

7. It is intended however to take up further the question of Commonwealth responsibility in this particular subject with other Commonwealth departments, e.g. Defence, Supply, Education and Science, Prime Minister's Department etc, to see whether some other Commonwealth Agency is better placed to assume responsibility for Unidentified Flying Objects. At the same time we would maintain our interest in the matter and work with any other Commonwealth agency who is considered to be more appropriate as a co-ordinating agency for the Commonwealth as a whole.

3 Jun 68

A Sec A

Security Classification:

Telegrams: "Weapons" Adelaide.

For further information refer to J. Walton
Telephone 599, Ext. 461

In Reply Please Quote

M5803/1/3

PPS DAFI 15 3 68
580-1-1

FOLIO 8

All correspondence to be addressed to Controller, Box 1424H, G.P.O., Adelaide.

COMMONWEALTH OF AUSTRALIA
DEPARTMENT OF SUPPLY

WEAPONS RESEARCH ESTABLISHMENT
SALISBURY, SOUTH AUSTRALIA

13 MAR 1968

SATELLITE PREDICTION SERVICE

This Establishment produces a weekly Visible Satellite Passes Bulletin, intended primarily for reproduction in the daily press for public information.

Following an offer to provide these bulletins to RAAF bases to assest initial investigations of UFO's we have received the following letter from the Secretary, Department of Air:

"The usefulness of your satellite prediction service in the identification of many unidentified flying objects reported to the RAAF has been shown by Headquarters Support Command investigations. As a result this Department wishes to take advantage of your offer of the satellite prediction bulletin to RAAF Bases and a list of the Bases nominated to receive the bulletin is enclosed".

... The first of these Bulletins is enclosed, and subsequently issues will be sent to you weekly.

1. ~~ASCA~~
2. DAFI

for SUPERINTENDENT
AMERICAN PROJECTS DIVISION

c.c. Secretary, Department of Air.
Air Officer Commanding, Headquarters Support Command.
Assistant Secretary, Projects.
PO/STO

Enc.

P.S. Please destroy previous letter, which did not have distribution listed.

Requested Mailing List for Satellite Prediction Service

Headquarters Operational Command
RAAF
PENRITH NSW 2750

Headquarters Support Command
RAAF
Victoria Barracks
MELBOURNE VIC 3004

Headquarters
RAAF Base
AMBERLEY QLD 4305

Headquarters
RAAF Base
EDINBURGH FIELD SA 5111

Headquarters
RAAF Base
DARWIN NT 5793

Headquarters
RAAF Base
FAIRBAIRN ACT 2600

Headquarters
RAAF Base
RICHMOND NSW 2755

Headquarters
RAAF Base
TOWNSVILLE QLD 4810

Headquarters
RAAF Base
WILLIAMTOWN NSW 2301

Headquarters
RAAF Base
EAST SALE VIC 3852

Headquarters
RAAF Base
PEARCE WA 6085

RECD.
19 MAR 1968
C.A.S.

(7)

(7)

VICTORIAN U.F.O. RESEARCH SOCIETY

President: PETER E. NORRIS, LL.B.

Secretary: Mrs. JUDITH MAGEE; Phone: 92 2502. P.O. BOX 43, MOORABBIN, VIC., 3189, AUSTRALIA. Phone: 62 1521

16th March, 1968

Chief of Air Force Intelligence,
Department of Air,
CANBERRA. A.C.T. 2600.

Dear Sir,

I have been directed by the Committee to write your Department requesting a Conference, for the purpose of discussing current investigations carried out by the Air Force, into Unidentified Flying Objects, (U.F.O'S).

We await your reply with anticipation.

Yours Sincerely,

Judith M. Magee

(Mrs.) Judith M. Magee.

Hon. Secretary.
V.U.F.O.R.S.

A1-4.

Please draft a letter from DAFI - but pass through me - similar to those we have sent to similar societies in the past

Original Transferred to 574/3/88
and actioned on that file by BAO(CAS)

10 Apr 68

(6)

2600

554/1/30(6)

1MAR68

Headquarters Operational Command
Headquarters Support Command

INVESTIGATION OF UNIDENTIFIED FLYING OBJECT REPORTS

References : A. Our 2/25/1(15) 25th March 1966

B. Our 554/1/30(135) 22nd November 1967

1. The investigation of unidentified flying objects is understandably a tedious task and one in which the investigator may frequently have little faith or interest. Whilst this Department has every sympathy with this point of view it is nevertheless necessary to obtain as comprehensive a record as possible. The main RAAF object in investigating these reports is to determine whether Australian airspace has been violated. However, intense public interest in this matter means, unfortunately, that our investigations have to go a bit beyond security considerations, if only to reassure those more gullible than our highly trained selves.

2. Some recent reports indicate that a little more effort would perhaps have determined the cause of the sighting. Commands are therefore asked to advise the Bases under their control to fill in report forms as fully as possible.

(J.F.W. PEMBRIDGE)
Wing Commander
For Chief of the Air Staff

(5)

2600

554/1/30(4)

28FEB68

Headquarters Operational Command
Headquarters Support Command

WRE SATELLITE PREDICTION SERVICE

Reference : A. HQSUPCOM 5/6/2/Air(8) 13th February 1968.

1. A copy of the referenced letter is enclosed for the information of Headquarters Operational Command.

2. This Department has written to the Director of Weapons Research Establishment requesting that both Command Headquarters and the RAAF Bases at Amberley, Edinburgh Field, Darwin, Fairbairn, Richmond, Townsville, Williamtown, East Sale and Pearce be placed on the mailing list for the WRE "Satellite Prediction Service".

3. Commands are requested to inform the Bases under their jurisdiction that they will be receiving this "Satellite Prediction Service".

(J.F.W. PEMBRIDGE)
Wing Commander
For Chief of the Air Staff

Drafted by Flt Lt S Bartlett
A1-4

(4)

2600

28 FEB '68

554/1/30(4)

The Director
Weapons Research Establishment
Box 1424H GPO
ADELAIDE SA 5001

SATELLITE PREDICTION SERVICE

Reference : A Your M5803/1/3 6th February 1968.

The usefulness of your satellite prediction service in the identification of many unidentified flying objects reported to the RAAF has been shown by Headquarters Support Command investigations. As a result this Department wishes to take advantage of your offer of the satellite prediction bulletin to RAAF Bases and a list of the Bases nominated to receive the bulletin is enclosed.

(Sgd.) A. B. McFARLANE

(A. B. McFarlane)
SECRETARY

Encl:

Drafted by Flt Lt S Cattell
DAFI A1-4
Approved by Wg Cdr J.F. Pendridge
D/DAFI(OPS)

Requested Mailing List for Satellite Prediction Service

Headquarters Operational Command
RAAF
PENRITH NSW 2750

Headquarters Support Command
RAAF
Victoria Barracks
MELBOURNE VIC 3004

Headquarters
RAAF Base
AMBERLEY QLD 4305

Headquarters
RAAF Base
EDINBURGH FIELD SA 5111

Headquarters
RAAF Base
DARWIN NT 5793

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RAAF Base
FAIRBAIRN ACT 2600

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RAAF Base
RICHMOND NSW 2755

Headquarters
RAAF Base
TOWNSVILLE QLD 4810

Headquarters
RAAF Base
WILLIAMTOWN NSW 2301

Headquarters
RAAF Base
EAST SALE VIC 3852

Headquarters
RAAF Base
PEARCE WA 6085

DEPT. OF AIR
554-1-30
580-1-1
DAFI 18.10.67
FOLIO 3

ROYAL AUSTRALIAN AIR FORCE

TELEPHONE: 69 0550

TELEGRAPHIC ADDRESS:
"AIRCOMMAND, MELBOURNE"

HEADQUARTERS SUPPORT COMMAND
RAAF
VICTORIA BARRACKS
MELBOURNE SC1 VIC 3004

IN REPLY QUOTE 5/6/2/Air(8)

13 FEB 1968

DAFI

Department of Air (DAFI)
Russell Offices
CANBERRA ACT 2600

UFO REPORTS -
SATELLITE PREDICTION SERVICE

1. Reference is made to Weapons Research Establishment letter M5803/1/3, a copy of which was forwarded by the originator direct to Department of Air.

2. In order to produce a more accurate assessment of UFO reports, this Command took action in November 1967 to obtain regular copies of the Department of Supply's "Satellite Prediction Service". The information provided by this service has enabled a number of UFO reports to be positively identified as satellite sightings.

3. Having verified the usefulness of this service, it is now intended, in the near future, to obtain additional copies for Support Command bases that frequently handle initial reports on UFO sightings - that is, Pearce and East Sale.

4. Your Department may wish to advise Operational Command of the availability of this Prediction Service, or may care to order copies of the publication on behalf of ALL RAAF subscribers.

(L.B. BROWN)
Wing Commander
For Air Officer Commanding

N&A

Copy HQ Operations. They would like their bases to receive this publication
Letter to WRE drafted asking for subscription.
Letter to Commands advising Repair Action
20 Feb 68.

Penrith 2331





UNCLASSIFIED DEPT. OF AIR
DAFX

KF

5001

J.A.G. Walton
461

M5803/1/3

- 6 FEB 1968

Air Officer Commanding,
Headquarters Support Command,
R.A.A.F.,
Victoria Barracks,
MELBOURNE, VIC. 3004
(ATTENTION: Command Intelligence Officer).

DAFI

IMPROVEMENTS TO SATELLITE PREDICTION SERVICES

Thank you for the questionnaire returned under cover of your letter, ref. 5/8/Air (98), of 19th January, 1968.

2. The comment made against question 7 indicated that the current layout of the Visible Satellite Passes Bulletin is satisfactory, and asked whether a similar service was available for "other country" satellites.

3. Information is regularly received from N.A.S.A. on over 400 objects which are in earth orbits, and these include satellites launched from countries other than the U.S.A. The satellites being predicted for Australian capital cities are those which have a magnitude of brightness which makes them suitable for viewing with the naked eye, but excludes short-lived satellites which may come into that category. It just so happens that these are all launched by the U.S.A.; should one be launched by another country which would fall into that category, it would be included. Of course, the main purpose of the prediction bulletins is to advise the public of theseasily seen satellites; there are other visible objects, such as boosters, which may orbit for several days, but we are not able to include these.

4. It is our intention to provide the predictions in a different format, and at present, the best method appears to be a separate sheet for each city, with the satellites listed in chronological order. Queries from the public relate to one particular location, with time specified, and thus the document search will be speeded up. This method would also be more suitable for reproduction in newspapers.

5. It has been suggested that since certain R.A.A.F. bases have the responsibility for initial investigation of reports of U.F.O.'s, the officer concerned may find the prediction bulletins of some use. If you concur please advise the addresses concerned, and these will be included on the distribution list.

THIS COPY FOR C.O.

Secretary,
Dept. of Air,
(Attention: Director, Air Force Intelligence)

R. A. LESLIE

(R.A. Leslie)
Ag. SUPERINTENDENT
AMERICAN PROJECTS DIVISION

R. A. LESLIE

(R.A.A. Leslie)

Secretary,
Dept. of Air,
(Attention: Director, Air Force Intelligence)

REC'D.
8 FEB 1968
AIR MINISTRY
CANBERRA

REC'D.
C.A.S.
8 FEB 1968

DAFI

REGISTRY CLASSIFICATION PARTICULARS

CLASSIFIER

1 Original/~~Copy~~

2 Duplicate Copy made

3 Date opened 23-11-67

~~RESTRICTED~~

REGISTRATION

CONFIDENTIAL

1 Security Classification

2 Title Investigations of flying saucers policy.

3 Registration Number 554-1-30 pt 2 (new pt) (Upgraded 23-6-71)

4 Mark to DAFI

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

6 Close File No Pt 1 (also downgrade & REST'D)

7 Cross Reference this File with File(s) 580-1-1

SUBJECT INDEX

Posting	Precis
OK	

NAME INDEX

1 Heading OK | Precis

2 Alter File No on Logging Card for _____

Letter dated _____ Reference No _____

554	1	30	PART 2

ARCHIVAL ACTION

TITLE: INVESTIGATIONS OF FLYING SAUCERS - POLICY.

REFERRED TO	FOLIO FOR ATTENTION	DATE REFERRED	ACTIONED BY (INITIALS)	REFERRED TO	FOLIO FOR ATTENTION	DATE REFERRED	ACTION BY (INITIAL
1) ~~DAFI~~	63	23 6 71		DAFI	File	26-5-71.	
~~2) DAFI Exec O/Ar~~	62	6.7.71					
~~D/c REGISTRY~~	64	28-6-71					
~~2 IR (DAFI)~~	64,65	~~29~~ 9/7/71					
~~DPR~~	62	7/7/71		(1)			
~~EXEC O AR~~	65	8/7/71					
~~D/c Registry~~	64	15/7/71					
~~Exec O Ar~~	66	16/7/71					
~~DPR~~	66	28 JUL 1971					
~~DAFI~~	~~File~~	21.7.71					
~~DAFI~~	67	23 Jul					
~~DPR~~	File	28 JUL 71					
~~DAFI~~	~~File 28 7 71~~	2 AUG 71					
~~D/DAFI (IR)~~	68	2 AUG 71					
~~DAFI~~	68/71	23 Aug					
~~DPR~~	71	2a Aug					
~~Exec O Ar~~	71	30/8					
~~Despatch~~	72	31/8					
~~DAFI~~	file	11 - SEP 1971					
~~DAFI~~	73	1 Sep					
~~IR~~	73	2 Sep					
~~DAFI~~	74	6 Sep.					
~~DAFI~~	75	12 Sep					
~~DPR~~	75	16 Sep					
~~DAFI~~	FILE	17 SEP					
~~D/E Ag/DPR~~	75	21 SEP		(11)			
~~DAFI~~	~~76~~ 72	21 SEP 1971		(2)			
~~DISPATCH~~	76	13 Sep.	Dawson				
~~D/c~~ REGISTRY	81	~~25 SEP~~ 25 SEP					

Move to Project 0

OTHER FILES BEARING ON THIS SUBJECT

...o	TITLE
23-6-71	
	UFO REPORTS
...1s	Enquiries from members of the Public.

554 L4	1	30	2

HIVAL ACTION

DEPARTMENT OF AIR

TITLE INVESTIGATIONS OF FLYING SAUCERS POLICY

REFERRED TO	FOLIO FOR ATTENTION	DATE REFERRED	ACTIONED BY INITIALS	REFERRED TO	FOLIO FOR ATTENTION	DATE REFERRED	ACTIONED BY INITIALS
B/F E EXEC O AIR	62	6-7-71		✓			
DAFI	63	23-6-71					

554	1	30	2.

UNIT

TITLE INVESTIGATIONS of FLYING SAUCERS POLICY.

ARCHIVE ACTION

REFERRED TO	FOLIO FOR ATTENTION	DATE REFERRED	ACTIONED BY INITIALS
~~Movements~~	~~File~~	~~23-11-67~~	~~DMB~~
~~DAFI~~	~~1~~	~~23-11-67~~	
~~D/DAFI (OPS)~~	~~2~~	~~19-3-68~~	
~~AI4~~	~~7~~	~~19 Mar~~	
~~DAFI~~	~~file~~	~~4/6/68~~	
~~D/DAFI (OPS)~~	~~11~~	~~28/8/68~~	
~~D/DAFI (OPS)~~	~~15~~	~~13/9/68~~	
~~AI4.~~	~~15~~	~~12/9/68~~	
~~D/DAFI (OPS)~~	~~19+20~~		
DAFI	19+20	6/18	
D/DAFI/OPS	15	6/18	
AI4	26	~~5/2/69~~	
D/DAFI/OPS			
AI-4	27	2 May	
~~D/DAFI (OPS)~~	31	5 JUN	
Dispatch	31	11 JUN	
~~DISPATCH~~	39	12 Nov	
~~EXEC O AIR~~	39	12 Nov 69	
DESPATCH	40	18 Nov 69	
~~DAFI AI-4~~	FILE	19 NOV '69	
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~~HR 1~~	~~41~~	~~5 Jan 70~~	
~~D/DAFI (Reg)~~	~~41~~	~~5 Jan~~	
DPR	FILE	20/1/70	
~~DAFI~~	FILE	22 JAN	
~~AI (a)~~	~~44~~	~~dispatch~~	
PR 2	49/50	3/7 Jul	HGC
~~DAFI~~	~~FILE~~	~~7 JUL~~	
F PR 2	49/50	8 JUL	HGC

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~~DAFI~~	~~FILE~~	~~5 MAY 71~~	
B/F PR 2	49/50	9 JUL	HGC
~~B/F PR 2~~	49/50	10 JUL	HGC
BAOCAS	51	10 JUL	
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~~DAFI~~	File	12 OCT 1970	
~~HR 1~~	55	19 Oct	
~~DPR~~	54	11 May	
~~DAFI~~	File	5.5	
~~DAFI~~	113.	7 may	
DPR	44	11 May 71	
~~(2) A Sec A~~	~~44~~	~~12/5~~	
~~DSAO 1~~	~~file~~	~~13/5~~	
~~DA 72~~	~~45~~	~~26/5~~	
~~ASec A~~	46	9 Jun	
~~Exec O Air~~	~~66~~	15/6	
Despatch	62	16/6	
B/F Exec O Air	62	6/7/71	

OTHER FILES BEARING ON THIS SUBJECT

FILE No	TITLE