

AIR 2/17527

CLOSED
UNTIL
1996

CONFIDENTIAL

PART VIII

MINISTRY OF DEFENCE

2 ✓

Register file number
AFIX 59/64
PART VIII

Date opened
28.4.64

1. ATTENTION IS DRAWN TO THE NOTES ON THE INSIDE FLAP.
2. ENTER NOTES OF RELATED FILES ON PAGE 2 OF THIS JACKET.
3. THIS FILE MUST BE CIRCULATED UNDER COVER, AND KEPT UNDER LOCK AND KEY WHEN NOT IN USE.

DIVISION

M.O.D.
FOR REGISTRY USE ONLY

Is/47/272 (P.9)

SUBJECT

AIR 2/17527
Unidentified Flying Objects - Reports

| Referred to | DATE | Referred to | DATE | Referred to | DATE | Referred to | DATE |
|-------------|------|-------------|--------|-------------|------|-------------|------|
| | | S + F | 6/7/76 | | | | |
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DATE FOR 1989

(a) SECOND REVIEW

(b) DESTRUCTION

REVIEWED BY *[Signature]*
DRO (AIR AND CENTRE) M.O.D.

DISPOSAL or PA Action

See note on file flap

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 - ON (insert DATE) _____
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- ON (insert DATE) _____

CERTIFYING OFFICER

APPOINTMENT AND BRANCH

DATE

CONFIDENTIAL

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Part VIII76

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- 234A

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CLOSED
NO FURTHER
MINUTES OR
ENCLOSURES
MUST BE PLACED
IN THIS FILE

Part IX opened.
19/7/65.

Bureau for the Investigation and Co-ordination of UFO-Logical Informa

BICUFOLI.

29, Livingstone Road,
Thornton Heath,
Surrey.
3rd, July, 1965. 12

Ref 37/565.

S4f(Air).
Min of Defence.

Good
K

Dear Sir.

Thank you for your letter of the 2nd July, I am sorry that I made a error in the date in my last letter. The date of the sighting was the Saturday the 19th of June.

Yours sincerely,

K King
K. King.

305

TES to AF / X 59 / 64

U.F.O. 13

S.4 (F) (Qiv.)

~~4tho' FS2 (RAF) 19/1~~

~~FS1 Pol Mt 19/1~~

~~FS3 H2 20/1~~

~~FS4 H2,3 1/2~~
~~4~~

~~FS.1 (Pse) H3 1/2~~

84(8) Ai Me 1/2

REFERENCE

MINUTE SHEET

H.O.D.
Air Ministry File No.

FS/Pd. 20/1/65 M1.

1. I feel this is an Air Staff matter and be achieved by you.

19 Jan 65

J. [Signature] w, cas
FS2

M2.

FS4. then FS3^{H.} FS35 check M2.

1. Nothing has been reported through the R.A.F. FS. net to the Branch.
2. Could FS3 check that we didn't lose a panel, drag-chute etc on the data mentioned?
3. If we still draw a blank could FS4 externally liaise with the Navy, MoA and Caribbeans?

[Signature] 20.1.65.

FS/Pd
20/1/65.

M3

F.S.4.

Ref. M.2. Blank drawn.

20/1/65.

Jawun.

FSA

1. Ref. M2. Matter MOA now RN can help. I think it would be a task out of proportion to the importance of E1 to contact all the witnesses.

1 Feb 65

G. O. Eades
Squad

FS + Tol
1/2/65. 5

Please see M4. I agree

F.S.4
1 Feb 65

R.A. Galtby car

M6.

S.4(f) Air.

1. Reference M1-5. D.F.S. has no information on this subject.

FS/Tol
1/2/65

R. A. Galtby
Squad

LDT

From: Mr. R.A. Langton



MINISTRY OF DEFENCE
Main Building, Whitehall, LONDON S.W.1
Telephone: WHITEHALL 7022, ext.

J.L.
16

Our reference: AF/X59/64/S4f(Air)
Your reference:

17th February 1965

Dear Mr. Beran,

I have been asked to reply to your letter of 5th January, about an object which you saw falling near March, presumably from an aircraft.

Things which may on occasion fall from aircraft include external fuel tanks, drag-chutes, cockpit canopies, access panels or doors, and sometimes accumulations of ice. We have looked carefully into all these possibilities so far as our own aircraft are concerned, but have drawn a blank.

I understand the police carried out a search in the vicinity of the Sixteen Foot Drain without success. If they had recovered anything it would have been possible to narrow the field for further enquiries. It might of course have been another, smaller, aircraft in a dive and reflecting the sunlight.

In the circumstances, I am sure you will appreciate the difficulty of making enquiries of each and every military and civil authority whose aircraft might be concerned.

Yours faithfully,
R.A. Langton

M.A. Beran, Esq,
15, Nene Parade,
March,
Cambridge.

84(f) Act

17

thru' F.S. 2 (RAF)

1. I have checked that nothing has been reported under irregular releases. I am passing this through Flight Safety to insure that nothing has been reported by Commands including Third A. Force O.S.A.F. by R.A.F. L.O.S. thru' F.S. channels.

2. In the event of nil information from F.S. (RAF) no explanation can be offered except to clear Navy M.S.A. & Civil Aviation.

To 5 (RAF)
15/1/65.

Attiles.

MOD Form 4A

MEMORANDUMTo PR1 (RAF)From Met O.T.Ref. AF/M1143/64 Date 11.1.65Tel. BRACKNELL2420Ext. 349Subject Report of a falling object.

I am instructed to pass to you the attached letter from Mr M. A. Beran together with the copy of the acknowledgment by the Senior Meteorological Officer, Cambridge

Rank/ Appointment YO Name in block letters H. M. RACE Signature H. M. Race

Complete this form in manuscript unless there are special reasons for typing.

B. & S. Ltd. 51-1386

OS

19

T.O.S (RAF)

I should be grateful if you would look into the possibility that the object reported in the attached correspondence was an irregular release.

Mr. Bevan ^{also} reported it to the local police, who sent a car out to look for the object in the vicinity of the 'Sixteen Post Drain', but without success.

If your responsibility for dealing with irregular releases covers also such things as car parts and engine panels would you also look into such possibilities. Otherwise please advise who I should ask.

If we have nothing to say, the sooner we say it the better!

R. Langton

S4f(am)
13/1/65

OS

19

T.O.S (RAF)

I should be grateful if you would look into the possibility that the object reported in the attached correspondence was an irregular release.

Mr. Bevan ^{also} reported it to the local police, who sent a car out to look for the object in the vicinity of the 'Sutton Post Drain', but without success.

If your responsibility for dealing with irregular releases covers also such things as canopies and engine panels would you also look into such possibilities. Otherwise please advise who I should ask.

If we have nothing to say, the sooner we say it the better!

R. G. G. G.

Suf (an)
13/1/65

21

Sir (Am) (Mr. R.A. Langton) ----- 20

Here with the correspondence about
what we spoke.

[Faint, mostly illegible handwritten text, likely bleed-through from the reverse side of the page.]

PR1 (RAI)

Neom 0361

12.1.65

[Handwritten signature]

[Faint handwritten notes and signatures at the bottom of the page, including a date '12/1/65' and a name 'Langton'.]

METEOROLOGICAL
OFFICE UNIT
-7 JAN 1965
HUNTINGDON ROAD
CAMBRIDGE.

21

6/16/65

7 January 1965.

M.A. Beran, Esq.,
15 Nene Parade,
March, Cambs.

Dear Mr. Beran,

Thank you for your letter describing the
fall of an object, presumably from an aeroplane,
near the town of March on 5 January.

I have forwarded your letter to Meteorological
Office Headquarters at Bracknell, Berks and have
asked that your report should be investigated.

Yours faithfully,

H. J. Blackwell

Senior Meteorological Officer.

16

M. A. BERAN.

15, NENE PARADE

MARCH

22

Cambs.

5-1-64.

Dear Sir,

At 3.20 p.m. on Jan 5th 1964

I saw drop an object presumably from an aeroplane flying due East \rightarrow West and almost directly overhead of the Town of March Cambs. Whilst in the sunlight it remained visible giving the appearance of a curved object perhaps a parachute but I would have thought too fast for that. Before falling too low to be visible in the low sun it appeared to be falling to a point perhaps a mile or two South East of the town centre from where I was watching.

The aeroplane (a swept wing variety) would have, in my limited experience, been flying at around 40,000 feet or lower as its silhouette could be distinguished and its vapour trails were discrete.

What would the falling object have been?

Yours faithfully

Max Beran

23
file
(234 A)

LOOSE MINUTE

AF/X59/64/S4f(Air)

DS9a

UNIDENTIFIED FLYING OBJECT

1. Thank you for your loose minute BF/L1/1/DS9a/1429, dated 9th July, about the object seen by Dr. M. F. Ingham of the University Observatory in Oxford at about 10.30 pm on Saturday 19th June.
2. We have had a number of reports of this object, mainly from the London area, but also from Swindon and Walsall. All the observations are consistent with the re-entry and burn up of debris from a space launching. It seems likely that the debris was one of the international space tracks 1965-46D or 1965-46E, debris of COSMOS 68, launched by the Russians on 15th June 1965.
3. This diagnosis was given by BMEWS Fylingdales.

S4f(Air)
13 July 1965
J.A.A.

(R. A. LANGTON)

J.P. Ryan - UFO file - 24
76, Bostleuan
Barnes.
Chiswick 4783

Sat 19th June 2235
Marlow.

Samos 68

15/6/65

LOOSE MINUTE*Copy dictated*
h (233A)

BF/L1/1/DS96/1429

25

S4f(Mr Langton)UNIDENTIFIED FLYING OBJECT

1. As I mentioned to you recently on the telephone, I have been approached by Dr. M. F. Ingham of the University Observatory in Oxford about a bright light in the sky which he observed about 10.30 pm on Saturday 19th June. He was watching from Headington and saw it appear over the horizon to the north. It passed almost overhead, going roughly south-east and emitting a great trail of sparks. He suggests that it could have been

- a. a meteor - but he does not think so as it seemed too low, left no persistent wake as large bolides do and the sparks were easily distinguishable as individual objects;
- b. a satellite or rocket case burning up.

Other local residents observed the same phenomenon and the observatory has been approached for an explanation. Dr. Ingham has in turn approached me and I should be very grateful for your advice as to anything which I could tell him.

J.M. Moss

(J.M. MOSS)

DS9
Ext 7082
9th July 1965
PT/3

321.

From: Mr. R. A. Langton

26



MINISTRY OF DEFENCE
Main Building, Whitehall, LONDON S.W.1
Telephone: WHITEhall 7022, ext.

file
(228A)

Our reference: AF/X59/64/S4f(Air)
Your reference:

8th July 1965

Dear Mr Alexander,

I apologise for the delay in replying to your letter of 6th May. We have taken up with Royal Air Force, Pattrington, the question of your earlier correspondence.

The object you saw on 4th May is practically certain to have been SAMGS 2 - 1961/ALPHA 1. This is a United States Air Force satellite.

I sympathise with your remarks about "the present metal merry-go-round" circumscribing this planet these days. The reports we receive of satellites and their associated rockets etc have been keeping us busy for some time, and recently we have had several reports of debris re-entering the atmosphere and burning up. In all the reports we have received we have found no evidence of the existence of "flying saucers".

Yours faithfully,
R. A. Langton

M. Alexander Esq
3 Barley Gate
Leven
Hull
East Yorkshire

21

From: Mr. R. A. Langton



MINISTRY OF DEFENCE

Main Building, Whitehall, London S.W.1

Telephone: whitehall 7022, ext. . . .

gil
232A

27

Our reference: AF/X59/64/S4f(Air)
Your reference:

28 July 1965

Dear Wing Commander,

You wrote to me on 25th May about a letter you had received from the Chief, Civil Branch, Community Relations Division of the Office of Information in Washington, on the subject of unidentified flying objects.

We have since heard direct from Lieutenant ^{See 219A} Colonel John P. Spaulding, and I enclose a copy of the letter Mr. Robson sent to him on the 24th June.

Yours sincerely,
R. Langton

Wing Commander D.I.C. Eyres RAF
Senior Royal Air Force Liaison Officer
Headquarters
Third Air Force
United States Air Force
South Ruislip
Middlesex

From: Mr. R. A. Langton



MINISTRY OF DEFENCE
Main Building, Whitehall, LONDON S.W.1
Telephone: Whitehall 7022, ext. . . .

g.l.
(231A)

28

Our reference: AF/X59/64/S4f(Air)
Your reference:

28
28th July 1965

Dear Mr Willson Pepper,

Thank you for your letter of 24th June asking for an explanation for the object you saw at about 11 pm one night towards the end of the previous week.

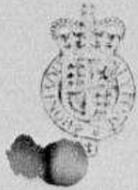
Without accurate dates and times I cannot be sure, but I think it possible that you may have seen the re-entry and burn up of debris from the Russian satellite COSMOS 68 launched on 15th June 1965. This was reported by many observers at 10.35 pm on Saturday 19th June.

Yours faithfully
R. A. Langton

C. G. Willson-Pepper Esq
Little Court
15 Homelands
Leatherhead
Surrey

From: Mr. R. A. Langton

82
230A



MINISTRY OF DEFENCE
Main Building, Whitehall, LONDON S.W.1
Telephone: Whitehall 7022, ext. . . .

29

Our reference: AF/X59/64/S4f(Air)
Your reference:

29
29 July 1965

Dear Mr Bostock,

You wrote in April about an object you had seen on 13th of the month at 0220 am.

I am sorry it has taken so long to reply. My technical advisers consider that this was the re-entry and burn-up of a space launching. There are several hundred satellites and their associated rockets and other ironmongery in orbit around the earth and from time to time one or other of them re-enters. The delay in replying to your letter is in part due to an attempt on our part to identify which of them was responsible for your report.

*Yours faithfully,
R.A. Langton*

B. R. Bostock Esq
18 Meadow Close
Eastward
Nottinghamshire

From: Mr. R. A. Langton



MINISTRY OF DEFENCE
Main Building, Whitehall, LONDON S.W.1
Telephone: WHITCHALL 7022, ext.

Jdo
(229A)

30

30
30 July 1965

Our reference: AF/X59/64/S4f(Air)
Your reference:

Dear Mr Robson,

Thank you for your letter dated 19th June reporting an unidentified flying object.

A number of reports have been received and it is clear that this was debris of Cosmos 68, launched by the Russians on 15th June 1965, re-entering the earth's atmosphere and burning up.

Yours faithfully,
R. Langton

P. J. Robson Esq
45 Sevenacres
Aldridge
Walsall
Staffordshire

• lose
 • let me have
 the papers about
 the records of
 logs 68 36/6
 Search

Little Com (218A)
 15 Homelands
 Leatherhead
 24.6.65

Curiosity and a sense of duty 31
 persuaded me that I should ask if
 you can provide me with an explanation
 for a phenomenon I observed
 last Friday (it may have been Thursday I am
 not quite sure about this) right at about
 11 pm. I was about to retire for
 the night and went to my front
 door (facing due East) for a breath
 of air - it was not dark but clear
 and the stars were visible. I observed

115

32

a small bright light appeared in the direction of Hendon or Finchley N.N.E. at about an angle of 10° or perhaps 15° from the horizontal, and I thought it might be a low flying plane - However the light was not intermittent, but constant, and rapidly grew larger as it approached ~~going~~ due South. It passed straight across my front apparently not higher than 500 to 1000 ft up (below the line of some of the local chimneys etc) and no further away than Epsom, and disappeared behind the trees to the South in the direction of Dorking. At its nearest point to me it appeared as big as a very large full moon (not of course spherical, but oval in shape.) Had I been

33

a believer in flying saucers - which I am not - I would not have considered this to be one, as I had the distinct impression of the vague shape of a tubular body behind the red hot shield? in front, with two or three vertical shafts of light like exhaust vents behind the nose.

At a rough estimate the time taken from first view to final disappearance could not have been more than ten seconds - and completely silent!

One realizes the estimate of height and distance might be illusory, but the angles and directions are facts.

34

and the only possible theory
 I could think of to support these
 facts was that this was the
 remnant of the earth's atmosphere
 of some discarded space rocket
 which had succeeded in reaching
 a low altitude before burning
 up - One or two friends to whom
 I described the incident put forward
 theories of a less complimentary nature,
 but they still regard me as
 reasonably sane and logical,
 and I am wondering therefore
 if you might have had other
 reports from the Observer Corps or
 Radar Installation to account for it.

Yours truly
 C. G. Wilson
 C. G. WILSON - PEPPER

Note of Action For file
35
U.F.O.

W. G. Mayhew Esq.,
757, Fulham Road
SW6

phoned 1/7/65 and
had a long chat.
Referred by D(A)61E

MOD Form 4A

MEMORANDUM

To: J1(A1)61e
 From: Suf (Civ) (226A)
36
 Ref: AF/X59/64 Date: 2/7/65 Tel: WH17022 Ext: 6020

Subject: Unidentified Flying Object.

Mr Timothy Randle
 7, Cromwell Place S.W.7
 phoned to report that at 0015A
 on 2/7/65 he and some friends saw
 a white star like light pass ~~over~~
 from West to East, ^{over South Kensington} from an elevation
 of 75° in the West to 30° in the East.
 The brightness diminished as it
 went away and it appeared to slow
 up, as though climbing. The movement
 was in a steady straight line but the
 light gave the impression of being
 reflected as from the facets of a
 flat sided balloon. Please advise.
 Perhaps Imperial College know of a laser ray

Rank/ Appointment: Name in block letters: Signature: *R. Randle*

Complete this form in manuscript unless there are special reasons for typing.

B. & S. Ltd. 51-1386

research balloon being launched

Mrs Spooner
35, Park Rd.
Hounslow
Middlesex

36A

08

9.30, 1st July.
Triangle of bright light - toward Surrey.
Orange colour, $1\frac{1}{2}$ mins

From: Mr. R. A. Langton

37

8:0

225A



MINISTRY OF DEFENCE
Main Building, Whitehall, LONDON S.W.1
Telephone: Whitehall 7022, ext.

Our reference: AF/X59/64/S4f(Air)
Your reference:

21 July 1965

Dear Mr King,

Thank you for your letter of 21st June enclosing a report of an unidentified flying object. Before I take any further action, I should be grateful if you would confirm the date; it seems possible that it should be Saturday the 19th June.

Yours faithfully,

R. Langton

K. King Esq
29 Livingstone Road
Thornton Heath
Surrey

(224R)

Undentified Flying Objects

Mr J. B. Hawkins... 38

3 Rutherswick Close
Epsom

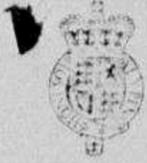
Wang to say he disagrees
with our diagnosis of the
sighting at 10.35 pm. on
19th June. In the opinion
of Mr + Mrs H it was a
continuous substantial
object with 24:1 proportions
Its light was reflected
and not caused by turn
up. It was grey with
smaller lights along its
length. It left a dark
trail

HJ 30/6/65

From: Mr. R. A. Langton

39

222A



MINISTRY OF DEFENCE
Main Building, Whitehall, LONDON S.W.1
Telephone: Whitehall 7022, ext.

Our reference: AF/X59/64/S4f(Air)
Your reference:

29th June 1965

See 215A

Dear Mr Ward

You reported to the Ministry of Defence, Air Force Department, having seen an object in the sky at about 10.35 pm on the 19th June. I am writing to let you know what it was.

There are some 300 objects at present orbiting in space and from time to time these fall into the earth's atmosphere and burn up. The objects you saw were debris of Cosmos 68, launched by the Russians on the 15th June 1965.

*Yours faithfully,
R.A. Langton*

L. A. Ward Esq
5 Leinster Avenue
East Sheen
LONDON SW14

H. D. J. Phillipe
4, Fernham Road,
Maredon, Swindon,
Wiltshire. 10.40. 40

Mr. Tins
1 Florida Road
Thornton Heath
Surrey

L. A. Ward Esq
5, Leinster Av.
East Sheen,
London SW14

Mr. Carter
200 Gray's Inn Road
LONDON WC1

See 2154

Mr. Gold
Dartmouth Chambers
8 Theobalds Road
LONDON WC1

J. B. Hawkins
3 Rutherwyke Close
Stoneleigh
Epsom
Surrey

Mrs. M. Robertson
278 Ewell Road
Surbiton
Surrey

31
29

MOD Form 4A

MEMORANDUM

221A

To Saff (Air)

From OI/AI 61c 41

DSTI/AI(Tech)/61c/

Ref. S 290/1 Date 29 Jun 65

Tel. WHI 8474 Ext. 454

Subject U FO - 2230 (Approx) 19 Jun 65

Your Ref: AF/X59/64 dated 21 Jun 65

1. Reference telecon Langton/Mercer; I have now received the parallel reports from AFOR and these sightings tie in with Mr Robertson.

2. I note that Flyingdales state that the sightings could be debris from COSMOS 68 launch on 15 Jun. It is quite possible that this is the case; there is so much debris in space now that we are likely to receive a fair number of reports of this nature.

3. All the observations indicate that the sightings were re-entering debris.

4. I also attach the report from BICOFOLO(!), as it is possible that Mr King has made an error in his dates since the time and type of sighting compares with the others on the 19th!

Rank/ Appointment FLC VC

Name in block letters M. J. MERCER Signature M Mercer

Complete this form in manuscript unless there are special reasons for typing.

MOD Form 4A

MEMORANDUM

DI(AI)61e

From

S4 f(Au)

(48)

42

Ref. AF/259/64

Date 21/6/65

Tel. WHI 7022

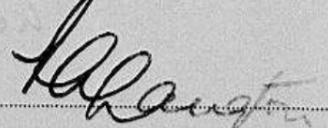
Ext. 6020

Subject

Unidentified Aerial Phenomenon
 Mrs M. Robertson, 278, Euell Road,
 Sudbury rang me to report that at
 between 10.30-10.45 pm on Saturday 19th June
 she and some friends who were about to
 get into their car outside a pub (she
 says she and another lady who had
 orange juice) saw a large brilliant
 yellow/orange object for 7-8 seconds which
 moved very rapidly in a north-south
 direction with no noise. 2 or 3 less bright
 lights were close behind and all appeared to
 leave trails like a comet. I suggested
 that they were re-entering fragments of
 a rocket or satellite like the case we had

Rank/
AppointmentName in
block letters

Signature



Complete this form in manuscript unless there are special reasons for typing.

B. & S. Ltd. 51-1386

- 43

SA
Monthly. She appeared reasonably satisfied with this explanation but wanted us to look into it more closely. I told her it would be difficult to be sure without further reports over a wider area. I agreed to confirm, or give an alternative, by ringing her at work between 9am and 1pm on Lower Hook 5252 Ext 355. I should be grateful for your advice

PS I have now seen the reports received by the Duty Ops Officer. If you confirm the diagnosis I will write to them all.



(2218)

Bureau for the Investigation and Co-ordination of UFO-Logical Information.

BICUFOLI.

Ref. 186/57.

Reply dictated
K

29, Livingstone Road,
Thornton Heath;
Surrey.
21st. June, 1965.

44

S4f(Air)
Ministry of Defence.

Dear Sir,

I wish to submit this report to you in the hope that you will be able to help us find an explanation.

Yours sincerely,

K.King.

DI(A1) 61e

Explanation please

W. King

S4f(Air) 28/6/65

MOD Form 4A

MEMORANDUM

To S4+ (Air)

From DI(AI)61e (223R)

Ref. DSTI/AI(Tech)/61e/1
15290/1

Date 24 Jun 65

Tel. WHI 8474

Ext. 454

45

Subject UFO - HUCK NALL

1. Reference the attached letter.
2. There are no other reports on this particular day or time.
3. If the object is claimed to be below high stratus, I would suggest that in fact it was above the stratus (it could be seen through it since stratus is a thin layer by nature); this would account for the "crazy orbital path".
4. I would suggest that this was another case of re-entering debris; but cannot state from which device - the direction is consistent with this view.
5. My apologies for the delayed reply.

Rank/
AppointmentFLECK/
Able

Name in

block letters

MERCER

Signature

M Mercer

Complete this form in manuscript unless there are special reasons for typing.

B. & S. Ltd. 51-1386

124

A4.

⑧

46

18, MEADOW CLOSE,

EASTWOOD,

NOTTS.

MINISTRY OF DEFENCE

1491

26 APR 1965

592/502

Dear Sir, A.F.O.R. (R.A.F.)

I wonder if you could enlighten me on an u.f.o. I observed this week. I am employed on Fire and Security work at Rolls Royce. Exp. Aerodrome Hucknall, whilst on Patrol on Tuesday last, 13/April at 0220AM, along with another Security Officer, a Sgt Commissionaire and The Works Night Manager, I observed an object in the sky. It rose in the N.N.W. and maintained a rather crazy orbital course and disappeared in the S.S.E. after remaining visible

2

47

for four minutes. Although there was some rather scattered high strata this object was below cloud level. Its colour was Orangey-red as if on fire, but there was no glow as one gets with meteorites. Luckily we had on hand, a pair of 7x35 Binoculars through which we observed that the object was pear-shaped with the taper to the rear from which emitted a glow rather as one observes from a rocket in flight. The object created no sound and was definitely a solid mass.

Could you possibly enlighten me as to its origin or put me in touch with some one who can.

Yours sincerely

B. R. Bostock

B. R. BOSTOCK

MOD Form 4A

MEMORANDUM

To **Sgt (Air)** (2230)
DSTI/AI(Tech)/61c1
 Ref. **S290/1** Date **29 Jun 65** From **D1/A161e** 48
 Tel. **WHI 8474** Ext. **454**

Subject **UFO - 26 May**

Ref: Signal ATCC PRESTON (2615202) RTTOS

1. It is practically impossible to access this string since no information is given concerning:
 - a. time object in view.
 - b. estimated speed of travel
 - c. estimated height
2. The local weather conditions at the time would be of assistance, but unless further info is forthcoming this one will have to go down on the "unknown" for lack of sufficient data column.

Rank/ Appointment **FLC Lt/Able** Name in block letters **MERCER** Signature **M Mercer**

Complete this form in manuscript unless there are special reasons for typing.

B. & S. Ltd. 51-1386

65 130

49
220A

1520Z

FM ATCC PRESTON

TO RBDWC/MOD AIR ← ACTION BY MESSAGE CONTROL

RBDSGD/HQFC

RBDSGD/ADOC

BT

C O N F I D E N T I A L RTT05 MOD AIR ATTN DIAI 61 AFOR S4F AIR
SIGHTING OF UNUSUAL AERIAL PHENOMENA (1) BETWEEN 1250 HRS 1300 HRS
26 MAY (2) NEW WALTHAM TRAVELLING SOUTH WEST TO NORTH EAST
(3) FOLLOWING REPORT RECEIVED FROM MRS COPELAND 215 STATION RD NEW
WALTHAM NR GRIMSBY TEL WALTHAM 2061 QUOTE AN OBJECT SHAPED LIKE A
BLACK FLATTENED WINDSOCK HEIGHT NOT KNOWN (4) NO (5) NONE

BT

*DI(AI)61
AFOR/RAT.
S.4 f (air).*

NNNN

RBDWC/3

50

REPORT CARD. . . . 20th.6.65

Name. R.Cooper. **50**
221 Green Lane. S.W.16.

Location. worthing

Time. 22.35hrs G.M.T..

Colour. Green.

Shape. see diagram.

Size. about the size of
Venus.

Trail. long and green.

Direction. north - south.

Apparent hight. 20,000 ft.

No of objects. 5.





Our reference:
Your reference:

MINISTRY OF DEFENCE
Main Building, Whitehall, LONDON S.W.1
Telephone: WHITEhall 7022, ext.

NF/x 59/64
fil

(214A)

.....
- 51
.....

24 June 1965

Mr Langton has shown us your letter of the 15th June about Project Blue Book.

In the United Kingdom, the Air Force Department of the Ministry of Defence has the primary responsibility for investigating reports of UFOs., and the reasons for this allocation of responsibility are exactly the same as in your case.

We investigate every case reported to us, and we use every assistance, civilian as well as military, available to us to identify a particular object. For example, we have frequently used the resources of Kodak Ltd., to examine photographs, films and equipment submitted to us. We do not, however maintain a special scientific staff for this purpose. It is normally handled as part of the routine work of our Air Force Technical Intelligence department. Unlike you, however, we do investigate single-observer sightings. Our results over the years are in line with yours viz. in some 90% of cases investigated, we are able to make a positive, rational identification, in 10% we are unable to do so because of insufficient data, and in no case have we unearthed any evidence of extra-terrestrial origin.

Our policy is to play down the subject of UFOs and to avoid attaching undue attention or publicity to it. As a result, we have never had any serious political pressure to mount a large-scale investigation such as Project Blue Book. Indeed, the matter has been raised only once in Parliament in the last 5 or 6 years, and then only in a perfunctory way.

The specific answers to your questions are as follows:-

- a. No
- b. No
- c. Yes, a considerable number
- d. We investigate about 70 case a year but there are others which are not reported to us, although sometimes reported in the newspapers.

We should be delighted to discuss the matter with Dr Hynek when he comes to London and no doubt you will let us know in due course when he will be here.

Lieutenant Colonel John P. Spaulding,
Civil Branch,
Community Relations Division,
Office of Information,
Department of the Air Force,
Washington DC
U.S.A.

MR. D. J. PHILLIPS (217A)

4 FERNHAM ROAD
MORDEDON, 52
SWINDON
WILTS.Wednesday, June 23rd.
- 1965

Dear Sir,

I saw an ~~ste~~ interesting phenomena on Saturday, June 19th last and I enclose details as I believe you keep a file on this sort of sighting. I am an ex. Navigator/Bomb Aimer or as we were originally known, Observer and am always ~~as best as~~ interested in airborne objects.

Yours sincerely,
D. J. Phillips (Mr)

24
21
53 91

SIGHTING - REPORT.

53

DATE SATURDAY, JUNE 19TH 1965.

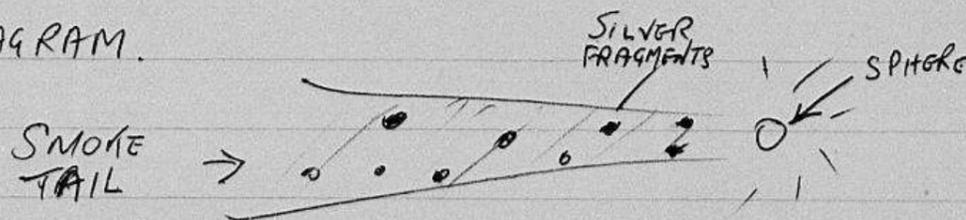
PLACE MOREDON, SWINDON, WILTS.

TIME 10.40 P.M.

A SPHERICAL SILVER OBJECT, (ROUGHLY $\frac{1}{2}$ " IN DIAMETER),
 TRAVERSED THE SKY WITH A TAIL OF GREY SMOKE
 DOTTED WITH BRIGHTLY GLOWING SILVER FRAGMENTS.
 THE SPHERE WAS GLOWING VERY BRIGHTLY.

THE ANGLE OF THE OBJECT ABOVE THE HORIZON
 WAS APPROXIMATELY 80 DEGREES.

IT CAME FROM A N.N.W. DIRECTION AND
 TRAVELLED ACROSS THE SKY AND FINALLY DISAP-
 PEARED TO THE E.S.E. IT WAS TRAVELLING
 VERY FAST AND TRAVERSED THE SKY IN ABOUT
 20 SECONDS. IT MUST HAVE BEEN VERY HIGH, SINCE
 IT LEFT NO CLOUD-TRAIL. I MISTOOK IT AT
 FIRST FOR A FIREWORK. HERE IS A ROUGH (!)
 DIAGRAM.



IN THE SWINDON EVENING ADVERTISER OF JUNE 23RD.
 A MAN REPORTED SEEING THE OBJECT AT
 YATEBURY, CALNE. WILTS.

54

RESTRICTED
MEMORANDUM

MOD Form 4A

(216A)

To S44 (A/W)

From O1/A16.le

DSTI/A1(Tech)/61c/

Ref. S290/1 Date 23 Jun 65

WHI
Tel. 8474

54

Ext. 454

Subject UFO - 11.45 - 4 May 65

1. Ref the attached. I am in contact with PATRINGTON.

2. The UFO seen on 4 May 65 is practically certain to be:

SAMOS 2 - 1961 / ALPHA 1

which would be seen for approximately 10 mins. This is an USAF satellite, its use being classified.

3. I will write again when I have resolved the PATRINGTON situation

Rank/ Appointment PLT LT / Able Name in block letters MERCER Signature M Mercer

Complete this form in manuscript unless there are special reasons for typing.

B. & S. Ltd. 51-1386

RESTRICTED

15

MEMORANDUM

55 MOD Form 4A

To: DI(A1)61e

From:

Syf (A1)

Ref.

Date

Tel.

WHI 7022 Ext. 6020

Subject

UFO 11.45 pm 4th May

Would you please identify the object reported in the attached letter.

Would you please check with Patrington re previous correspondence with Mr Alexander. If they have any unanswered letters they might be asked to forward them to MOD for action.

contacted PATRINGTON

Rank/ Appointment

Name in block letters

R.A. LANGTON R.A. Langton

Complete this form in manuscript unless there are special reasons for typing.

3, Barley Gate.
 Leven.
 Hull (216B)
 E. Yorks. - 56

6-5-65.

Air Ministry (R.A.F.)
London.

Dear Sir.

In pursuance of my somewhat prolonged study of a peculiar subject I am writing to you for your assistance - I hope.

I have written to the R.A.F., Patrington but can get no reply from them. A masked display, I think you will agree, of very bad manners. As an ex-R.A.F.V.R., type I must say I am disappointed in such a let-down.

However. At 11.45 pm. last Tuesday night, 4th April, in completely clear visibility, I and several friends viewed an object travelling south to north over West Hull. At one time it appeared to veer off into

356.

2

57

lightly different course - but I would not be certain about this. The object finally vanished in the general area of the Pole star. The speed, by the way, was obviously considerable. Height, difficult to guess.

With all the present metal merry-go-round circumscubing this planet these days I find it difficult to discover whether or not the object was a satellite on course, or had we seen a U.F.O., or 'flying-saucer'?

I have seen quite a few of the latter in Yorkshire and a very large one in South Africa so I am quite aware of their nature and existence. I am, however, particularly interested in this last one and would greatly appreciate any information you can give such as its identity, or radar report etc. Perhaps too you may have other Ufo information available? I know there are extensive files on them in the R.A.F. in Yorkshire.

Thank you for your most kind attention and help.

Sincerely Yours. M. Alexander

MEMORANDUM

Replies MOD Form 4A
(215A)

To *DI(AI)61e*

From *Suf(Au)*

Ref. *AF-1x59/64* Date *21/6/65*

Tel *WH1 7022* Ext. *6020*

Subject *Unidentified Aerial Phenomena* 58

Miss M. Robertson, 278, Euell Road, Sudbury rang me to report that at between 10.30-10.45 pm on Saturday 19th June she and some friends who were about to get into their car outside a pub (she says she and another lady were had orange juice) saw a large brilliant yellow/orange object for 7-8 seconds which moved very rapidly in a north-south direction with no noise. 2 or 3 less bright lights were seen behind and all appeared to leave trails like a comet. I suggested that they were re-entering fragments of a rocket or satellite like the case we had

Rank/ Appointment..... Name in block letters..... Signature *H. Langton*

Complete this form in manuscript unless there are special reasons for typing.

59

82 Monthly. She appeared reasonably satisfied
 with this explanation but wanted to
 look into it more closely. I told her it
 would be difficult to do so without
 further reports over a wider area. I
 agreed to confirm, or give an alternative,
 by ringing her at work between
 9 am and 1 pm on Lower Hook 5252
 Ext 355. I should be grateful for
 your advice

PS. I have now seen the reports
 received by the Duty Operation Officer.
 If you will confirm the diagnosis
 I will write to them all

B/F 26/6

M.O.D. Form 2

Ministry of Defence,

60

11th May 1965

The Permanent Under-Secretary of State, Ministry of Defence,
acknowledges receipt of your letter dated 6th May

which has been forwarded to S.4 f (air)
Main Building, Whitehall SW1 for attention.

Any further correspondence on the subject should be sent to
that address.

ON HER MAJESTY'S SERVICE

11 MAR 1965
GREAT BRITAIN

POSTAGE PAID

Mr. Alexander Esq. 61
3 Barley Gate,
Levens,
Hull,
E. Yorks

62 (2150)

See 2221

The following summarizes reports of 5 witnesses - names attached

- 192234A - 3 Secs
- b. Position of Observer. S
London and Suburbs
- c. Direction. (A landmark may be more useful than a badly estimated bearing)
N to S
- d. Angle of Sight. (Estimated heights and distances are unreliable).
60 Degrees approx. / Angular coverage at least 45 degrees
- e. Movements. (Changes in c. and d. over the period, rather than estimates of course and speed)
Steady direction / very fast
- f. Description.
Bright narrow light with 4 minor lights and silver tail
- g. Name and address of informant.
See over
- h. Any background on the informant that may be volunteered.
N/A Object seen by 5 independent observers
- j. Other witnesses.
N/A
- k. Date and time of receipt.
- l. Reply requested. Yes/XXX

Resolute
 (D. Q. OLIVER)
 Sqn Ldr
 Duty Operations Officer
 Air Force Operations Room (RAF)

19th June, 1965

NOTE:- BMEWS Fylingdales report possible cause burn-ups of one of international space tracks 1965 - 46D or 1965 - 46E debris of Cosmos 68 Russian launch 15 June 65.

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g. Names and Addresses of Informants.

Mr L.A. Ward, 5, Leinster Avenue, East Sheen, 14
Tel. No. PRO 3118

Mr Timms, I, Florida Road, Thornton Heath, Surrey

Mr Carter, 200 Greysdon Road, WC1

Mr Gold, Dartmouth Chamber, 8, Theobalds Road, WC1

Mr J.B. Hawkins, 3 Rutherwyke Close, Stonleigh, Epsom,
Surrey. Tel. No. Yule 5767

*Mr D. Marshall 35 Torrington Gdns,
Brentford (Explanation accepted
by phone B)*

DEPARTMENT OF THE AIR FORCE
WASHINGTON

64

213A

OFFICE OF THE SECRETARY

JUN 15 1965

Dear Mr. Langton:

In keeping with the Air Force role for the air defense of our country, we are responsible for the investigation of unidentified flying objects (UFOs) reported in the skies over the United States. The name of this program which is governed by Air Force Regulation 200-2 is Project Blue Book. A copy of the current report on this project and a copy of the regulation governing the program are attached for your information.

We are interested in obtaining the following information on British UFO activity:

no a. Do you have a Government program comparable to our Project Blue Book?

no b. If so, do you have a scientific consultant?

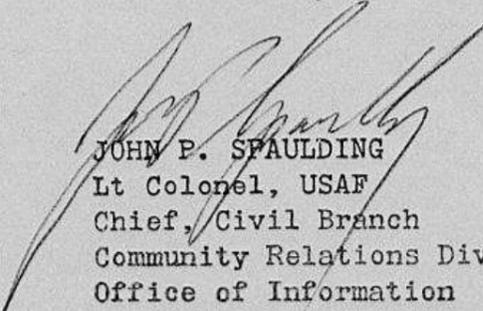
Yes c. Are there civilian organizations in your country which are dedicated to the study of UFOs?

Proportionately less than U.S. probably due to lack of publicity etc d. How much UFO activity do you have in your country?

The Air Force scientific consultant to Project Blue Book, Doctor J. Allen Hynek, is planning a trip to London in September. While he is there, he would like to discuss this subject with you.

Thank you for your time and cooperation on this matter.

Sincerely,


JOHN P. SPAULDING
Lt Colonel, USAF
Chief, Civil Branch
Community Relations Division
Office of Information

2 Atch
1. Blue Book Report
2. AFR 200-2

Mr. R. A. Langton
SHF(Air) Room 8241
Main Building
Ministry of Defense
Whitehall
London SW 1, England

66

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highly
delayed

(2147)

65

P. J. Robson,
45 Cavendish,
Aldridge, Walsall,
Staffs.

Dear Sir,

Sat 19 June 1965

Unidentified Flying Object

Seen by wife and self, 10.37 pm to-day, from this location; (no preceding alcohol taken)

Elevation about 70° above ^{eastern} horizontal; track horizontal or slightly rising; direction ^{of peak} south; height about cloud level - it appeared out of heavy cloud and disappeared into it again after an arc of 50° horizontally; speed very fast, it covered the 50° arc in 3 seconds or so; no engine noise, but made a faint tearing sound, like a V1 after the engine cut out.

Appearance like a rocket, with ^{and vapour trail;} silver tail, the object itself could not be seen; presumed to be practice missile.

Yours faithfully,

P. J. Robson

P. J. Robson

Ex-Capt. R.A.

* O.S. 1" sheet 120

Map ref 056.002

3.

66

JUN 15 1965

Dear Mr. Langton:

In keeping with the Air Force role for the air defense of our country, we are responsible for the investigation of unidentified flying objects (UFOs) reported in the skies over the United States. The name of this program which is governed by Air Force Regulation 200-2 is Project Blue Book. A copy of the current report on this project and a copy of the regulation governing the program are attached for your information.

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- a. Do you have a Government program comparable to our Project Blue Book?
- b. If so, do you have a scientific consultant?
- c. Are there civilian organizations in your country which are dedicated to the study of UFOs?
- d. How much UFO activity do you have in your country?

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Thank you for your time and cooperation on this matter.

Sincerely,

2 Atch
1. Blue Book Report
2. AFR 200-2

Mr. R. A. Langton
SHP(Air) Room 8241
Main Building
Ministry of Defense
Whitehall
London SW 1, England

W. D. PAULDING
Lt Colonel, USAF
Chief, Civil Branch
Community Relations Division
Office of Information

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(2135)

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PROJECT BLUE BOOK

The United States Air Force has the responsibility under the Department of Defense for the investigation of unidentified flying objects (UFOs). The name of this program, which has been in operation since 1948, is Project Blue Book. It has been identified in the past as Project Sign and Project Grudge.

Air Force interest in unidentified flying objects is related directly to the Air Force responsibility for the air defense of the United States. Procedures for conducting this program are established by Air Force Regulation 200-2.

The objectives of Project Blue Book are two-fold: first, to determine whether UFOs pose a threat to the security of the United States; and, second, to determine whether UFOs exhibit any unique scientific information or advanced technology which could contribute to scientific or technical research. In the course of accomplishing these objectives, Project Blue Book strives to identify and explain all UFO sightings reported to the Air Force.

HOW THE PROGRAM IS CONDUCTED

The program is conducted in three phases. The first phase includes receipt of UFO reports and initial investigation of the reports. The Air Force base nearest the location of a reported sighting is charged with the responsibility of investigating the sighting and forwarding the information to the Project Blue Book Office at Wright-Patterson Air Force Base, Ohio.

If the initial investigation does not reveal a positive identification or explanation, a second phase of more intensive analysis is conducted by the Project Blue Book Office. Each case is objectively and scientifically analyzed, and, if necessary, all of the scientific facilities available to the Air Force can be used to assist in arriving at an identification or explanation. All personnel associated with the investigation, analysis, and evaluation efforts of the project view each report with a scientific approach and an open mind.

The third phase of the program is dissemination of information concerning UFO sightings, evaluations, and statistics. This is accomplished by the Office of Information of the Office of the Secretary of the Air Force.

The Air Force defines an unidentified flying object as any aerial object which the observer is unable to identify.

Reports of unfamiliar objects in the sky are submitted to the Air Force from many sources. These sources include military and civilian pilots, weather observers, amateur astronomers, business and professional men and women, and housewives, etc.

Frequently such objects as missiles, balloons, birds, kites, searchlights, aircraft navigation and anticollision beacons, jet engine exhaust, condensation trails, astronomical bodies and meteorological phenomena are mistakenly reported as unidentified flying objects.

The Air Force groups its evaluations of UFO reports under three general headings:
(1) identified, (2) insufficient data, and (3) unidentified.

SAFOI Jan 65

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Identified reports are those for which sufficient specific information has been accumulated and evaluated to permit a positive identification or explanation of the object.

Reports categorized as Insufficient Data are those for which one or more elements of information essential for evaluation are missing. Some examples are the omission of the duration of the sighting, date, time, location, position in the sky, weather conditions, and the manner of appearance or disappearance. If an element is missing and there is an indication that the sighting may be of a security, scientific, technical, or public interest value, the Project Blue Book Office conducts an additional investigation and every attempt is made to obtain the information necessary for identification. However, in some instances, essential information cannot be obtained, and no further action can be taken.

The third and by far the smallest group of evaluations is categorized as Unidentified. A sighting is considered unidentified when a report apparently contains all pertinent data necessary to suggest a valid hypothesis concerning the cause or explanation of the report but the description of the object or its motion cannot be correlated with any known object or phenomena.

TYPES OF UFO IDENTIFICATIONS AND EVALUATIONS

There are various types of UFO sightings. Most common are reports of astronomical sightings, which include bright stars, planets, comets, fireballs, meteors, auroral streamers, and other celestial bodies. When observed through haze, light fog, moving clouds, or other obscurations or unusual conditions, the planets, including Venus, Jupiter, and Mars have been reported as unidentified flying objects. Stellar mirages are also a source of reports.

Satellites are another major source of UFO reports. An increase in satellites reported as UFOs has come about because of two factors. The first is the increase of interest on the part of the public; the second is the increasing number of satellites in the skies. Positive knowledge of the location of all satellites at all times enables rapid identification of satellite sightings. Keeping track of man-made objects in orbit about the earth is the responsibility of the North American Air Defense Command Space Detection and Tracking System. This sophisticated electronic system gathers complex space traffic data instantly from tracking stations all over the world.

Other space surveillance activities include the use of ballistic tracking and large telescopic cameras. ECHO schedules are prepared by the NASA Goddard Space Flight Center at Greenbelt, Maryland, and schedules of the South/North equator crossings are prepared by the Smithsonian Institution at Cambridge, Massachusetts. From the data produced by these agencies, satellites mistakenly reported as UFOs can be quickly identified. The attached report gives the box score of satellites now in orbit. Some of these are visible to the naked eye.

Aircraft account for another major source of UFO reports, particularly during adverse weather conditions. When observed at high altitudes and at some distance, aircraft can have appearances ranging from disc to rocket shapes due to the reflection of the sun on their bright surfaces. Vapor or condensation trails from jet aircraft will sometimes appear to glow fiery red or orange when reflecting sunlight. Afterburners from jet aircraft are often reported as UFOs since they can be seen from great distances when the aircraft cannot be seen.

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The Project Blue Book Office has direct contact with all elements of the Air Force and the Federal Aviation Agency civil air control centers. All aerial refueling operations and special training flights can be checked immediately. Air traffic of commercial airlines and flights of military aircraft are checked with the nearest control center, enabling an immediate evaluation of aircraft mistakenly reported as UFOs. However, since many local flights are not carried, these flights are probable causes of some reports.

Balloons continue to be reported as UFOs. Several thousand balloons are released each day from military and civilian airports, weather stations, and research activities. There are several types of balloons - weather balloons, rawinsondes, radiosondes, and the large research balloons which have diameters up to 300 feet. At night, balloons carry running lights which cause an unusual appearance when observed. Reflection of the sun on balloons at dawn and sunset sometimes produce strange effects. This usually occurs when the balloon, because of its altitudes, is exposed to the sun. Large balloons can move at speeds of over 100 miles per hour when moving in high altitude jet windstreams. These balloons sometimes appear to be flattened on top. At other times, they appear to be saucer-shaped and to have lights mounted inside the bag itself due to the sun's rays reflecting through the material of the balloon. The Balloon Control Center at Holloman Air Force Base, New Mexico, maintains a plot on all Military Upper Air Research Balloons.

Another category of UFO evaluations labeled Other includes missiles, reflections, mirages, searchlights, birds, kites, spurious radar indications, hoaxes, fireworks, and flares.

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CONCLUSIONS

To date, the firm conclusions of Project Blue Book are: (1) no unidentified flying object 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 to 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.

The Air Force will continue to investigate all reports of unusual aerial phenomena over the United States. The services of qualified scientists and technicians will continue to be used to investigate and analyze these reports, and periodic reports on the subject will be made.

The former Chairman of the House Armed Services Committee, Mr. Carl Vinson, recently commented on the conduct of the UFO program by the Air Force and stated that Congressional hearings on this subject are unnecessary.

The Air Force does not deny the possibility that some form of life may exist on other planets in the universe. However, to date, the Air Force has neither received nor discovered any evidence which proves the existence and intra-space mobility of extraterrestrial life. The Air Force continues to extend an open invitation to anyone who feels that he possesses any evidence of extraterrestrial vehicles operating within the earth's near space envelope to submit his evidence for analysis. Initial contact for this purpose is through the following address:

PROJECT BLUE BOOK INFORMATION OFFICE
SAFOI
WASHINGTON, D C 20330

Anyone observing what he considers to be an unidentified flying object should report it to the nearest Air Force Base. Persons submitting a UFO report to the Air Force are free to discuss any aspect of the report with anyone. The Air Force does not seek to limit discussion on such reports and does not withhold or censor any information pertaining to this unclassified program.

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AVAILABILITY OF MATERIALS

FTD Form 164, the form used for reporting a UFO observation to the Air Force for analysis and evaluation, is available in the SAF-OI Blue Book Office upon request.

The following items are for internal use only and are not available for distribution to the public. These concern internal management and procedures for forwarding UFO reports to the appropriate agency:

1. Air Force Regulation 200-2
2. JANAP 146
3. UFO Project Record Card

The Air Force has no films, photographs, maps, charts, or graphs of unidentified flying objects. Photographs that have been submitted for evaluation in conjunction with UFO reports have been determined to be a misinterpretation of natural or conventional objects. These objects have a positive identification.

The Air Force no longer possesses, and thus does not have for distribution, outdated reports on Project Sign, Project Grudge, Blue Book Special Report No. 14, and outdated Project Blue Book press releases. Non-military UFO publications should be requested from the publisher, not the Air Force.

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Books listed below deal with facts and theories about our solar universe, the sun, planets, comets, meteorites, the universe, stars, constellations and galaxies; telescopes, the computation of time as it relates to astronomy, star maps and charts, and the history of astronomy.

THE SUN AND ITS FAMILY, by ALDER, IRVING. The history of astronomy as it relates to the sun and our solar system.

WEATHER ELEMENTS, by BLAIR, published Prentice Hall. Has an excellent chapter on often misidentified weather phenomena.

PLANETS, STARS, AND SPACE, by CHAMBERLAIN, JOSEPH M & NICHOLSON, THOMAS D. An illustrated, non-technical explanation of the earth, planets, stars, and the universe. Prepared in cooperation with the American Museum of Natural History.

JUNIOR SCIENCE BOOK OF STARS, by CROSBY, PHOEBE. An easy-to-read, exciting story of what scientists know about the stars, planets, the moon, and the Milky Way.

EXPLORING THE PLANETS, by GALLANT, ROY A. An illustrated description of the planets of our solar system.

CHALLENGE OF THE UNIVERSE, by HYNEK, J ALLEN & ANDERSON, NORMAN. Discusses the nature of the universe; astronomy and cosmology, published by Scholastic Press.

THE STORY OF THE STARS, by MALONEY, TERRY. An introduction to the universe; our solar system, our galaxy, and other galaxies. Many interesting illustrated analogies help build concepts of size and distance. Includes references to the Van Allen radiation belts and zodiacal light observation of 1960.

THE WORLD OF FLYING SAUCERS, by MENZEL & BOYD. A scientific examination of the classic UFO reports.

THE NATURE OF LIGHT AND COLOUR IN THE OPEN AIR, by MINNAERT, Dover Publications. This is an excellent paperback written in understandable lay language.

FIELD BOOK OF THE SKIES, by OLCOTT, W T & R. A completely revised edition of the book which has been the standard work of its kind since its first appearance.

METEORS, by OLIVIER. Standard text by foremost authority on meteors.

PHOTOGRAPHIC HISTORY OF MARS, 1905-1961, by SLIPHER, E C, published by Lowell Observatory.

BEGINNERS BOOK OF ASTRONOMY, by STERNIG, J. A first book explaining in simple terms our solar system, the universe and galaxies, and how they are related to space travel.

FIRST MAN TO THE MOON, by VON BRAUN, WERNHER.

NEIGHBORS IN SPACE, by WHITE, W B. A guide to the heavens with excellent star maps.

SHOOTING STARS, by ZIM, HERBERT S. Known facts and theories about meteors are explained.

The following periodicals are also recommended:

1. SKY & TELESCOPE
2. SCIENCE NEWSLETTER

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STATISTICS FOR 1964

(Compiled 8 Jan 65)

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | TOTAL |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Astronomical | 6 | 9 | 5 | 7 | 17 | 5 | 15 | 22 | 13 | 5 | 10 | 4 | 118 |
| Aircraft | 2 | 3 | 1 | 5 | 13 | 9 | 13 | 11 | 4 | 2 | 2 | 0 | 65 |
| Balloon | 0 | 0 | 0 | 2 | 3 | 0 | 8 | 2 | 1 | 0 | 2 | 0 | 18 |
| Insufficient Data | 4 | 4 | 5 | 7 | 13 | 8 | 12 | 12 | 9 | 5 | 6 | 0 | 85 |
| Other | 3 | 5 | 4 | 10 | 12 | 8 | 14 | 4 | 6 | 7 | 2 | 2 | 77 |
| Satellite | 2 | 4 | 3 | 9 | 20 | 4 | 42 | 30 | 4 | 4 | 17 | 3 | 142 |
| Unidentified | 0 | 0 | 1 | 2 | 2 | 1 | 4 | 5 | 1 | 0 | 0 | 0 | 16 |
| Pending | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 5 | 3 | 11 |
| TOTAL | 17 | 25 | 19 | 42 | 81 | 35 | 109 | 86 | 39 | 23 | 44 | 12 | 532 |

ASTRO CASES

| | | | | | | | | | | | | | |
|-----------------|---|---|---|---|----|---|----|----|----|----|----|---|-----|
| Meteors | 5 | 5 | 1 | 4 | 5 | 3 | 9 | 9 | 6 | 2 | 9 | 1 | 59 |
| Stars & Planets | 1 | 4 | 4 | 3 | 12 | 2 | 5 | 12 | 6 | 2 | 1 | 3 | 55 |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 1a | 1b | 1b | 1c | 0 | 0 | 4 |
| TOTAL | 6 | 9 | 5 | 7 | 17 | 5 | 15 | 22 | 13 | 5 | 10 | 4 | 118 |

a) Moon b) Sun Dog c) Moon Dog

OTHER CASES

| | | | | | | | | | | | | | |
|---|---|---|---|----|----|---|----|---|---|---|---|---|----|
| Hoaxes, Hallucinations, Unreliable Reports and Psychological Causes | 1 | 2 | 2 | 4 | 5 | 2 | 4 | 2 | 3 | 3 | 1 | 1 | 30 |
| Missiles & Rockets | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 7 |
| Reflections | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| Flares & Fireworks | 0 | 0 | 1 | 0 | 2 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 7 |
| Mirages & Inversions | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| Search & Groundlights | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 6 |
| Clouds & Contrails | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chaff | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Birds | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 |
| Physical Specimens | 0 | 0 | 0 | 0 | 1 | 3 | 2 | 0 | 0 | 1 | 1 | 0 | 8 |
| Radar Analysis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Photo Analysis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 2 |
| Satellite Decay | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Other | 0 | 1 | 0 | 1 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 6 |
| TOTAL | 3 | 5 | 4 | 10 | 12 | 8 | 14 | 4 | 6 | 7 | 2 | 2 | 77 |

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STATISTICAL DATA FOR YEARS 1954 - 1963

(Compiled 1 Nov 64)

TOTAL CASES BY CATEGORY

| | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 | TOTAL |
|-------------------|------|------|------|------|------|------|------|------|------|------|-------|
| Astronomical | 137 | 135 | 222 | 341 | 231 | 144 | 235 | 203 | 135 | 85 | 1868 |
| Aircraft | 80 | 124 | 148 | 217 | 105 | 63 | 66 | 75 | 67 | 73 | 1018 |
| Balloon | 63 | 102 | 93 | 113 | 57 | 30 | 22 | 37 | 19 | 28 | 564 |
| Insufficient Data | 103 | 94 | 130 | 190 | 111 | 65 | 105 | 115 | 92 | 57 | 1062 |
| Other | 58 | 63 | 61 | 120 | 90 | 72 | 93 | 74 | 64 | 56 | 751 |
| Satellite | 0 | 0 | 0 | 8 | 18 | 0 | 21 | 69 | 77 | 81 | 274 |
| Unidentified | 46 | 25 | 15 | 16 | 11 | 13 | 14 | 12 | 15 | 13 | 180 |
| Total | 487 | 543 | 669 | 1005 | 623 | 387 | 556 | 589 | 469 | 393 | 5717 |

ASTRONOMICAL SIGHTINGS

| | | | | | | | | | | | |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|------|
| Meteors | 92 | 79 | 88 | 179 | 168 | 100 | 187 | 119 | 94 | 57 | 1163 |
| Stars & Planets | 44 | 52 | 131 | 144 | 56 | 40 | 45 | 78 | 36 | 23 | 649 |
| Other | 1 | 4 | 3 | 18 | 7 | 4 | 3 | 6 | 5 | 5 | 56 |
| Total | 137 | 135 | 222 | 341 | 231 | 144 | 235 | 203 | 135 | 85 | 1868 |

OTHER CASES

| | | | | | | | | | | | |
|---|----|----|----|-----|----|----|----|----|----|----|-----|
| Hoaxes, Hallucinations, Unreliable Reports and Psychological Causes . . . | 6 | 17 | 17 | 37 | 28 | 13 | 12 | 17 | 11 | 15 | 173 |
| Missiles and Rockets . . . | 1 | 1 | 3 | 2 | 6 | 14 | 12 | 12 | 9 | 13 | 73 |
| Reflections | 6 | 4 | 3 | 2 | 7 | 10 | 9 | 3 | 3 | 0 | 47 |
| Flares & Fireworks | 4 | 8 | 6 | 8 | 3 | 5 | 7 | 4 | 3 | 3 | 51 |
| Mirages & Inversions | 2 | 4 | 1 | 5 | 2 | 4 | 5 | 6 | 3 | 0 | 32 |
| Search & Groundlights | 6 | 14 | 9 | 12 | 8 | 5 | 6 | 1 | 3 | 2 | 66 |
| Clouds & Contrails | 3 | 2 | 1 | 9 | 5 | 2 | 4 | 5 | 4 | 5 | 40 |
| Chaff | 2 | 0 | 1 | 2 | 6 | 1 | 4 | 3 | 5 | 2 | 26 |
| Birds | 7 | 2 | 6 | 1 | 1 | 0 | 3 | 2 | 2 | 2 | 26 |
| Radar Analysis | 7 | 0 | 7 | 27 | 2 | 8 | 6 | 8 | 0 | 1 | 66 |
| Photo Analysis | 1 | 2 | 4 | 1 | 6 | 4 | 6 | 3 | 2 | 3 | 32 |
| Physical Specimens | 6 | 5 | 3 | 5 | 10 | 3 | 7 | 4 | 15 | 3 | 61 |
| Satellite Decay | 0 | 0 | 0 | 0 | 1 | 0 | 9 | 3 | 3 | 3 | 19 |
| Other | 7 | 4 | 0 | 9 | 5 | 3 | 3 | 3 | 1 | 4 | 39 |
| Total | 58 | 63 | 61 | 120 | 90 | 72 | 93 | 74 | 64 | 56 | 751 |

TOTAL UFO SIGHTINGS (Compiled 8 Jan 65)

| <u>YEAR</u> | <u>TOTAL SIGHTINGS</u> | <u>UNIDENTIFIEDS</u> |
|--------------|------------------------|----------------------|
| 1947 | 79 | 22 |
| 1948 | 143 | 15 |
| 1949 | 186 | 22 |
| 1950 | 169 | 39 |
| 1951 | 156 | 22 |
| 1952 | 1501 | 303 |
| 1953 | 425 | 44 |
| 1954 | 487 | 46 |
| 1955 | 543 | 25 |
| 1956 | 669 | 15 |
| 1957 | 1005 | 16 |
| 1958 | 623 | 11 |
| 1959 | 387 | 13 |
| 1960 | 556 | 14 |
| 1961 | 585 | 12 |
| 1962 | 469 | 15 |
| 1963 | 393 | 13 |
| 1964 | <u>532</u> | <u>16</u> |
| TOTAL | 8908 | 663 |

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SATELLITE BOX SCORE INFORMATION AS OF 3 JANUARY 1965

| | | | | | | |
|------------------------|------------|-----------|------------|-------------|--------------|--|
| EARTH SATELLITES: | 492 | | | | | |
| DEEP SPACE PROBES: | 19 | | | | | |
| | <u>USA</u> | <u>UK</u> | <u>CAN</u> | <u>USSR</u> | <u>ITALY</u> | |
| PAYLOADS IN ORBIT | 111 | 2 | 1 | 14 | 1 | |
| SPACE PROBES | 7 | 0 | 0 | 6 | 0 | |
| EARTH ORBITING DEBRIS | 341 | 1 | 2 | 19 | 0 | |
| SPACE PROBES DEBRIS | 6 | 0 | 0 | 0 | 0 | |
| OBJECTS DECAYED | 221 | 0 | 0 | 235 | 0 | |
| TOTAL OBJECTS IN SPACE | 465 | 3 | 3 | 39 | 1 | |

PROJECT RECORD CARD

| | |
|---|--------------------------------|
| 1. DATE - TIME GROUP | 2. LOCATION |
| 3. SOURCE | 10. CONCLUSION |
| 4. NUMBER OF OBJECTS | |
| 5. LENGTH OF OBSERVATION | 11. BRIEF SUMMARY AND ANALYSIS |
| 6. TYPE OF OBSERVATION | |
| 7. COURSE | |
| 8. PHOTOS <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| 9. PHYSICAL EVIDENCE <input type="checkbox"/> Yes <input type="checkbox"/> No | |

FORM
FTD SEP 63 0-329 (TDE) Previous editions of this form may be used.