

N M C C

THE NATIONAL MILITARY COMMAND CENTER

WASHINGTON, D.C. 20301



THE JOINT STAFF

29 October 1975
0605 EST

MEMORANDUM FOR RECORD

Subject: AFB Penetration

1. At 290200 EST AFOC informed NMCC that an unidentified helicopter, possibly two, had been sighted flying low over Loring AFB Maine, in proximity to a weapons storage area.
2. An Army National Guard helo was called in to assist in locating the unidentified helo(s).
3. NORAD was informed of the incident by SAC, requested and received authority from Canadian officials to proceed into Canadian airspace if necessary to locate the intruder.
4. At 0404 SAC Command Center informed NMCC that the army helo assisting on the scene had not sighted the unidentified helo(s).
5. A similar incident was reported at Loring the evening of 28 October 1975.

A handwritten signature in cursive script, appearing to read "C. D. Roberts, Jr.", written in dark ink.

C. D. ROBERTS, JR.
Brigadier General, USMC
Deputy Director for
Operations (NMCC)

Distribution:

CJCS (5)	CSA	PA REP
DJS (3)	CNO	WEST HEM DESK
J-30	CSAF	NWSB
J-31	CMC	NMCC BRIEFER
J-32	CH, WWMCCS OPS & EVAL DIV	
J-32A	DDO (NMCC)	
J-33	ADDO (NMCC)	
J-34	CCOC (NMCC)	
J-35	DIA REP FOR NMIC	
J-38	NSA REP	
	CIA REP	

AFB PENETRATION

(U) At approximately 290200 EST Oct 75, AFOC relayed a report from Loring AFB, ME indicating that one unidentified helicopter, possibly two helicopters, had penetrated Loring AFB from Canadian territory with one helicopter landing briefly in proximity to a weapons storage area. Attempts to locate or identify the intruding helicopters by an Army National Guard helicopter were unsuccessful. Sightings of the unidentified helicopter(s) were limited to security guards. A similar incident with a single helicopter occurred during the early morning of 28 Oct 75. Permission has been granted by Canadian authorities to give pursuit into Canadian airspace if subsequent contact is effected by U.S. helicopters.

DDO UPDATE

AS OF 291300 EST OCT 75

WEST HEM

AFB PENETRATION

() At approximately 290100 EST Oct 75, one unidentified helicopter was sighted 300 to 500 meters from the weapons storage area at Loring AFB, Maine. The helicopter was at an altitude of 150 feet and penetrated Loring AFB. An attempt to contact and identify the intruding helicopter was made by an Army National Guard helo, and was unsuccessful. At 290300 EST the helicopter was sighted over the weapons storage area and the Army National Guard helicopter again responded to make contact but was unsuccessful. Loring has coordinated with the Maine State Police and the Royal Canadian Mounted Police and plans to pursue into Canada, if necessary, if there is a reoccurrence. (SOURCE: 42 BW OP LORING AFB 291140Z OCT 75.)

[REDACTED]

DDO UPDATE

AS OF 292200 EST OCT 75

AFB PENETRATION

(S) At approximately 290100 EST Oct 75, one unidentified helicopter was sighted 300 to 500 meters from the weapons storage area at Loring AFB, Maine. The helicopter was at an altitude of 150 feet and penetrated Loring AFB. An attempt to contact and identify the intruding helicopter was made by an Army National Guard helo, and was unsuccessful. At 290300 EST the helicopter was sighted over the weapons storage area and the Army National Guard helicopter again responded to make contact but was unsuccessful. The CSAF (Ops Div) has requested that the Army NG helo be provided until 300800 EST under the following conditions: To track and identify the intruder; no apprehension to take place; the Canadian Border would not be crossed; and civilian police on board will be for commo with ground units only. The request is under consideration by MG Snifin, DA Director of Operations, DCSOPS. Col Bailey, Mil A to Special Asst to SECDEF/DEPSECDEF has been advised of the situation should DoD approval be required. The State Department Canadian Desk Officer has been kept informed. (SOURCE: 42 BW CP LORING AFB 291140Z OCT 75; SAC CP OPS CONTROL 291954Z OCT 75)

[REDACTED]

DDO UPDATE

AS OF 300600 EST OCT

AFB PENETRATION

(1) At approximately 290100 EST Oct 75, an unidentified helicopter was sighted at an altitude of 150 feet at approximately 300 to 500 meters from a weapons storage area at Loring AFB, ME. At 290300 EST Oct 75, the unidentified helicopter was sighted over the weapons storage area. In both instances, an Army National Guard (NG) helicopter responded, but was unable to contact or identify the intruder. MG Sniffin, DA Director for Ops, DCSOPS, approved the following procedures for any similar incident effective until 300800 EST Oct 75:

- NG helicopter and crew placed in "full time training duty" (FTTD).
- NG helicopter may enter Canadian airspace with consent of Canadian authorities.
- NG helicopter employment limited to tracking and identification.
- Only U.S. military personnel and if considered necessary representatives from the FBI, FAA, and Border Patrol will be embarked in the NG helicopter.

(SOURCE: 42 BW CP LORING AFB 291140Z OCT 75; PHONCON DDO/INTERESTED ACTIVITIES).

DDO UPDATE

AS OF 301300 EST OCT

AFB PENETRATION

() At approximately 290100 EST Oct 75, an unidentified helicopter was sighted at an altitude of 150 feet at approximately 300 to 500 meters from a weapons storage area at Loring AFB, ME. At 290300 EST Oct 75, the unidentified helicopter was sighted over the weapons storage area. In both instances, an Army National Guard (NG) helicopter responded, but was unable to contact or identify the intruder. Procedures were implemented to track and identify the unidentified helicopter should it return during the evening of 29 Oct. The helicopter did not return that evening. Air Force is planning to utilize an Air Force helicopter from Plattsburgh AFB for future operations. (SOURCE: 42 BW CP LORING AFB 291140Z OCT 75; PHONCON NMCC/AFOC)

EVENT:

DATE/TIME OF EVENT:

Identified Helicopter Intrusion

30/2255E Oct 1975

LOCATION:

TIME REPORTED TO AFOC:

Wurtsmith AFB, MI

30/2327E Oct 1975

SAC (Lt Col Giordano) reports that an unidentified helicopter with no lights came up over the back gate of Wurtsmith and hovered over the Weapons Storage Area and then moved on.

RAPCON had it painted for a short period. A tanker at 2700 feet had visual and skin paint out over Lake Huron for about 20 miles heading SE. Tanker reports he thinks he saw a second skin paint. The tanker lost all contact about 35 miles SE of the base over the lake. Tanker is still flying trying to locate by means of telephonic search with FAA and RAPCON. Increased security initiated at Wurtsmith.

31/0030E Update: Lt Col Giordano (SAC Senior Controller) updates and corrects the above information as follows: An unidentified low flying aircraft came up over the back gate of Wurtsmith and was visually sighted in the vicinity of the motor pool. RAPCON showed several aircraft at the time, one near the WSA (there was no hovering as previously reported). A tanker was dispatched and had visual and skin paint out over Lake Huron of a low flying aircraft (with lights on) heading SE at approximately 150 knots.

Tanker reports that the aircraft appeared to be joined by another aircraft (with its lights on also). Tanker reports that both aircraft then turned out their lights simultaneously, as if on signal. Tanker lost all contact approximately 35 NM SE of the base. Upon information that the Dept of Natural Resources sends out aircraft searching for hunters spotting deer, the Dept of Natural Resources was contacted; however, they maintain none of their aircraft were in the area at the time.

NOTIFICATION RECORDED AND DISTRIBUTION

OFFICE	PERSON	TIME	TIME	OFFICE	PERSON	TIME	TIME
SAFOS	2	/		SAFIG	1		
SAFUS	1	/		SAFIGY	1		
SAFOSA	1	/		SAFBN	1		
SAFOI	1	/		SAFBN	1		
SAFLL	3	/		SAFIG	1	0330	
AFCC	1	/		SAFIGI	1		
AFCV	2	/		SAFISC	1		
AFXO	2	/		SAFOSI	1	0330	
AFXOX	1	/		SAFSP	1		
AFXOO	3	/		SAFDP	1		
AFXOOS	1	/		SAFDPXJG	1		
AFXOOC	1	/		SAFLC	1		
AFXOCCO	1	/		INGS	1		
	1	/		(SAFCC)	1	E-W	0330
AFRPL	1	/		SAFCC	1	D.C.	0330
				SAFCC	1	DYER	0330
				SAFIN	1		
				SAFCCS	1		

0330

VZCZCMAY7411LN594

FULT

ACTION NMCC

DISTR CJCS(01) CJCS(02) J3:(04) JDC AFIC SICC293

248

STATE DEPT WASH DC

ASD(2A)(21) DIA:

CIA

DIA(10) NSA

WHITE HOUSE WASH DC

MCCC

AOC CARLISLE BKS PA

CHC

CNO WASH DC

CBA WASH DC

ANMCC FCRT RITCHIE MD

FILE(1)

IMMEDIATE

(R19)

TRNGIT/010025Z/010030Z/000105TOR3050027

DE RUCSHIJ 42380 3050025

ZNY CCCCC ZN21

O 010025Z NOV 75

FM 42380 CP LORING ME /JJ0002

TO ZEN/000 CP FORCE STATUS

ZEN/000 CP LOGISTICS

ZEN/000 CP FORCE STATUS

ZEN/000 CP LOGISTICS

ZEN/00000 CP PEASE NH

RUCXJCS/JCS(NMCC)

RUCXAAA/USAF FWD OPS DIV FT RITCHIE MD

RUCBOLA/NCRAO CCG ENT AFB CO

BT

JOPREP JIFFY 0002/FFD000/IN/CPREP-J PINNAC

00-000-00001 FINAL

0000 TO 0500 CC

0000 0000 WING, LORING AIR FORCE BASE MAINE

AT 0017Z A VISUAL SIGHTING OF AN UNIDENTIFIED OBJECT WAS REPORTED BY LORING CRT 000000 OF LORING AFB.

AT 0010Z ALERT WELD SAVE72 WAS LAUNCHED TO IDENTIFY THE OBJECT. WELD72 RESEARCHED THE AREA AND WAS NOT ABLE TO MAKE CONTACT. LORING WING THEN REPORTED A

0001001

POSSIBLE TARGET 6 MILES SOUTH OF THE BASE BUT TARGET COULD NOT BE
ACTUALLY CONFIRMED BY DAVE72 WHEN VECTORED TO THE AREA. AT 0329Z.

THREE SECURITY POLICE PERSONNEL REPORTED SIGHTING AND HEARING A
HELICOPTER OVER THE BASE PROPER AT APPROXIMATELY 0300 PT. ALTITUDE
TRAVELING EAST TO WEST.

THIS TARGET COULD NOT BE CONFIRMED BY RADAR ON DAVE72. ROYAL
CANADIAN MOUNTED POLICE OFFICIALS REPORTED THEY SPOTTED ONE HELICOPTER

FLYING LOW OVER THE ST. JOHN RIVER APPROX. 78 MILES SE-OF LORING AT
0329Z. CANADIAN OFFICIALS IN THAT AREA HAVE BEEN ALERTED TO CHECK
POSSIBLE LANDING SITES.

AT 0340Z RABSON REPORTED A SLOW MOVING TARGET AT 7NM NNE OF BASE.
DAVE72 WAS AGAIN LAUNCHED AND VECTORED TO THE AREA. TARGET 0340Z
FROM RADAR BY JOHN ON

HEADING 070 DEGREES. NO VISUAL CONTACT MADE BY DAVE72. COMMAND
DID NOT CONSIDER REQUEST FOR FIGHTER LAUNCH TO BE AN APPROPRIATE

RESPONSE TO ANY OF THESE SIGHTINGS.
BT

0300
0300
0300

03010918

MESSAGE CENTER

196
338

070700Z 0723Z

MULT

ACTION 4900

01579 0000 0003 0021 03 0741 00 0000 000000

STATE DEPT WASH DC

ASD:PA (9) DTA:

CIA

DIA:O; ASA

WHITE HOUSE WASH DC

MCCC

AOC CARLISLE BKS PA

CNC

CNO WASH DC

CSA WASH DC

ANMCC FORT MITCHEM PD

FILE(1)

(K16)

TRANSIT/29:140Z/29:149Z/B20:097CR3021:45

DE RUCSHIJ #1705 3021:40

ZNY CCCCC ZFD RUCSCSA ZNZ:

O 291140Z OCT 75

FM 42BW CP LORING ME /JJ2234

TO ZEN/SAC CP FORCE STATUS

ZEN/SAC CP LOGISTICS

ZEN/8AF CP FORCE STATUS

ZEN/8AF CP LOGISTICS

ZEN/5098W CP PEASE NH

RUEKJCS/JCS (NMLC)

RUEFHQA/CSAF

RUEKAAA/USAF FWD OPS DIV FT MITCHEM MD

BT

JOPREP JIFFY 0234:FFC000.00:CPREP-3 P:0000

76001-02 FINAL

PASS TO 45AD CC

42ND BOMB WING LORING AIR FORCE BASE, MAINE.

AT 290600Z A SIGHTING WAS MADE OF A HELICOPTER IN THE SAME GENERAL LOCATION AS THE SIGHTING LAST NIGHT.

(REF: OPREP-3 PINNACLE JJ0033) VISUAL CONTACT WAS MADE 332 TO 320 METERS FROM THE WEAPONS STORAGE AREA AT AN ALTITUDE OF 107FT.

AT 290617 AIR GUARD HELICOPTER

350712 WAS LAUNCHED BUT MADE NEGATIVE VISUAL CONTACT. THE HELICOPTER WAS VISUALLY SIGHTED BY CSC AT 290822Z OVER THE WEAPONS STORAGE AREA. THE LOCAL GUARD HELICOPTER WAS AIRBORN AT 290037Z BUT AGAIN MADE

PAGE 1

0001001

NO CONTACT. THE UNKNOWN AIRCRAFT DID NOT DISPLAY LIGHTING. GROUND PERSONNEL WERE ABLE TO DIRECT THE AIR GUARD HELICOPTER TO WITHIN 1000 FT OF THE UNKNOWN AIRCRAFT, WITH BOTH HELICOPTERS IN SIGHT, BUT VISUAL ACQUISITION WAS NOT MADE. DURING THIS PERIOD A KC-135 WAS ORBITING AT 503271 HGT TO AID IN IDENTIFICATION AND TO ACT AS RADIO RELAY. AT 200022Z ALL CONTACT WAS LOST.

IT IS OUR OPINION THAT THE UNKNOWN HELICOPTER HAS DEMONSTRATED A CLEAR INTENT IN THE WEAPONS STORAGE AREA, IS SMART AND A MOST CAPABLE AVIATOR.

LOCAL SECURITY HAS BEEN INCREASED. WE ANTICIPATE FURTHER INCIDENTS ACCORDINGLY, WE WILL REQUEST THE CONTINUED PRESENCE OF AIR GUARD HELICOPTERS.

WE PLAN TO PURSUE INTO CANADA IF NECESSARY.

WE HAVE COORDINATED WITH MAINE STATE POLICE AND THE ROYAL CANADIAN MOUNTED POLICE AND HAVE BEEN ASSURED OF THE COMPLETE COOPERATION OF BOTH.

D.C.F.P. WILL RESPOND TO ANY LANDING SITE IN CANADIAN TERRITORY.

LOCAL SECURITY POLICE ABOARD AIR GUARD HELICOPTER HAVE BEEN ADVISED TO USE DISCRETION AND AWAIT

D.C.F.P. ARRIVAL FOR ANY APPREHENSION IN CANADIAN TERRITORY.

000 01 DEC 81

0111 2
 0011 12

0111 17 07 2

0111 2

00010

0011 12

30 October 1975
0445 EST

THE JOINT STAFF

MEMORANDUM FOR RECORD

Subject: Army National Guard Helicopter Support for
Loring AFB

1. At 292035 EST Oct 75, LTC Dyer, Office of the Director of Operations, USAF, requested that the Army National Guard (NG) helicopter and crew currently located at Loring AFB, Maine, be made available to the Commander of the 42nd Bomb Wing until 300800 EST Oct 75. The NG helicopter would be employed to track and identify the unidentified helicopter that has violated the airspace in the vicinity of the weapons storage area at Loring AFB during their early morning hours of 28 and 29 Oct 75. LTC Dyer stated that international borders would not be crossed, and that apprehensions would not be attempted by personnel embarked in the NG helicopter. Any civil police on board the aircraft would participate only to the extent of communicating with appropriate police officials on the ground, with the latter singularly responsible for the apprehension of the suspect aircraft or crew.
2. This request was relayed to MG Sniffin, DA Director of Operations, DCSOPS, at 292100 EST. MG Sniffin indicated his intent to check with Army legal officials on the matter prior to making a decision.
3. The SAC Command Post was informed at 292050 EST of the request by LTC Dyer, and the fact that MG Sniffin was checking with Army legal authorities. Col Freeman, AF Operations Center, was also informed of the status.
4. Col Bailey, Mil Asst to the Special Asst to SECDEF/DEPSECDEF, has been advised of the helicopter request should DOD approval be required.
5. The State Department Canadian Desk Officer has been kept informed of the situation.
6. At 292230 EST MG Sniffin approved use of the helicopter with the following constraints:
 - a. Tracking and identification only.
 - b. Apprehension by U.S. personnel not authorized.
 - c. No crossing of international borders.

d. Only U.S. personnel, preferably military, but including FBI, FAA, and Border Patrol representatives if necessary, will be on board the NG helicopter.

7. MG Sniffin will initiate appropriate action to place the Army NG helicopter and crew on "Full Time Training Duty" (FTTD). In essence, the NG helicopter will be federalized.

8. OSD, through Col Bailey, has been advised of the approval and constraints in this situation and has stated OSD has no objections to the action.

9. At 292249 EST the DDO (NMCC) established a conference call with SAC (MG Burkhart), AFOC, AOC, and Commander 42nd Bomb Wing, Loring AFB informing them of the approval to use the Army NG helicopter with the constraints listed in para 6 above. Commander 42nd Bomb Wing stated that there was no utility in using the helicopter if it couldn't cross the border. Air Force representative LTC Dyer was brought into the conference and stated that AF had no objection to the border crossing. At 292300 EST the DDO (NMCC) informed MG Sniffin of the border crossing issue.

10. At 292325 EST MG Sniffin informed the DDO (NMCC) that approval was granted for the NG helicopter to cross the border with the consent of Canadian authorities. The DDO (NMCC) assured MG Sniffin that the Canadians were cooperating and had already given consent to cross the border.

11. At 292334 EST another conference call was convened by the DDO (NMCC) with the above conferees, (para 9) informing them of the authority to cross the border if necessary. There were no further questions and all conferees were satisfied with the procedures established for the employment of the NG helicopter.



C. D. ROBERTS, JR.
Brigadier General, USMC
Deputy Director for
Operations (NMCC)

Distribution:

CJCS (5)	CSA	PA REP
DJS (3)	CNO	WEST HEM DESK
J-30	CSAF	NWSB
J-31	CMC	NMCC BRIEFER
J-32	CH, WWMCCS OPS & EVAL DIV	
J-32A	DDO (NMCC)	
J-33	ADDO (NMCC)	
J-34	CCOC (NMCC)	
J-35	DIA REP FOR NMIC	
	NSA REP	

DDO TALKER

AS OF 010200 EST NOV 75

WEST NEM

HELICOPTER SITED AT LORING

(S) At 312317 EST, a visual sighting of an unidentified object was reported 4 nautical miles northwest of Loring AFB, Maine. The alert helo at Loring was launched to identify the object but was unable to make contact. The alert helo was launched again at 010146 EST in response to a slow moving target picked up by RAPCON. This rtic was also unable to make contact with the object. (SOURCE: Lnd BW 010252 NOV 75)

DDO UPDATE

AS OF 011300 EST NOV 75

HELICOPTER SIGHTED AT LORING

(S) At 312317 EST Oct, a visual sighting of an unidentified object was reported 4 nautical miles northwest of Loring AFB, Maine. The alert helo at Loring was launched to identify the object but was unable to make contact. The alert helo was launched again at 010146 EST Nov in response to a slow moving target picked up by RAPCON. This sortie was also unable to make contact with the object. (SOURCE: 42D BW 010825Z NOV 75)

(U) A copy of messages received regarding unidentified aircraft flying in the vicinity of air bases will be forwarded to the Military Assistant to the SECDEF. (SOURCE: MILASST TO SECDEF).



THE JOINT STAFF

N M C C


THE NATIONAL MILITARY COMMAND CENTER
WASHINGTON, D.C. 20301

31 October 1975
0451 EST

MEMORANDUM FOR RECORD

Subject: Low Flying Aircraft/Helicopter Sightings at
Wurtsmith AFB, MI.

1. The SAC Command Post notified the NMCC of reported low flying aircraft/helicopter sightings at Wurtsmith AFB, Michigan at 302342 EST.
2. The attached OPREP-3s give a summary of the reported sightings.


DONALD M. DAVIS
Brigadier General, USAF
Deputy Director for
Operations (NMCC)

Attachments
a/s

Distribution:

J-30
J-31
DDO (NMCC)
ADDO (NMCC)
CCOC (NMCC)
WHEM DESK (NMCC)

EVENT:

DATE/TIME OF EVENT:

Identified Helicopter Intrusion
 LOCATION:
 Wurtsmith AFB, MI

30/2255E Oct 1975
 TIME REPORTED TO AFOC:
 30/2327E Oct 1975

SAC (Lt Col Giordano) reports that an unidentified helicopter with no lights came up over the back gate of Wurtsmith and hovered over the Weapons Storage Area and then moved on. RAPCON had it painted for a short period. A tanker at 2700 feet had visual and skin paint out over Lake Huron for about 20 miles heading SE. Tanker reports he thinks he saw a second skin paint. The tanker lost all contact about 35 miles SE of the base over the lake. Tanker is still flying trying to locate by means of telephonic search with FAA and RAPCON. Increased security initiated at Wurtsmith.

31/0030E Update: Lt Col Giordano (SAC Senior Controller) updates and corrects the above information as follows: An unidentified low flying aircraft came up over the back gate of Wurtsmith and was visually sighted in the vicinity of the motor pool. RAPCON showed several aircraft at the time, one near the WSA (there was no hovering as previously reported). A tanker was dispatched and had visual and skin paint out over Lake Huron of a low flying aircraft (with lights on) heading SE at approximately 150 knots. Tanker reports that the aircraft appeared to be joined by another aircraft (with its lights on also). Tanker reports that both aircraft then turned out their lights simultaneously, as if on signal. Tanker lost all contact approximately 35 NM SE of the base. Upon information that the Dept of Natural Resources sends out aircraft searching for hunters spotting deer, the Dept of Natural Resources was contacted; however, they maintain none of their aircraft were in the area at the time.

NOTIFICATION RECORD AND DISTRIBUTION

OFFICE	PERSON	TIME	TIME	OFFICE	PERSON	TIME	TIME
SAFOS	2	/		SAFIC	1		
SAFUS	1	/		SAFIGY	1		
SAFOSA	1	/		SAFDD	1		
SAFOI	1	/		SAEDRO	1		
SAFLL	3	/		SAFIG	1		0330
AFCC	1	/		SAFIGI	1		
AFCV	2	/		SAFISC	1		
AFXO	2	/		SAFOSI	1		0330
AFXOX	1	/		SAFSP	1		
AFXCG	3	/		SAFDP	1		
AFXGOS	1	/		SAFDPXJG1			
AFXGCC	1	/		SAFLC	1		
AFXGCCQ	1	/		INGS	1		
	1	/		(SAFCC)	1	E.W.	0330
AFRPL	1	/		SAFTR	1	D.C.	0330
				SAFSC	1	D.H.R.	0330
				SAFIN	1		
				SAFSS	1		

ACTION: NONE-00.

INFO:

UTUW RUCSHIJ2068 3040549 N TMS-UUUU-RUEFHQA.

PASS TO
WEST HEM
DESK
ADV CT

R UUUU ZNZ1
310549Z OCT 75
3798W CP WURTSMITH MI / JJ0365
ZEM/SAC CP FORCE STATUS
N/SAC CP LOGISTICS
N/BAF CP FORCE STATUS
N/BAF CP LOGISTICS
EFHQA/CSAF
EXAAA/USAF FWD OPS DIV FT RITCHIE MD

UNCLASSIFIED JOPREP JIFFY 0065 / FF0340 / IN / CPREP - 7 SEE LINE 76 - 021-01
0345Z CSC ADVISED CP THAT THE SECURITY GUARD AT BACK GATE
NOTED AN UNIDENTIFIED AIRCRAFT FLYING LOW OVER THE BASE AT
APPROX 0320Z. INITIAL REPORT TO CP SAID THAT AIRCRAFT WAS ALSO
OBSERVED IN THE VICINITY OF WSA HOWEVER, LATER REPORTS SAID THAT
AIRCRAFT OBSERVED MAY HAVE BEEN A KC-135 IN THE LOCAL TRAFFIC
ATTERN. AT 0330Z KC-135 SAID THAT THEY HAD SKIN PAINTED ON
ADRIAN AIRCRAFT 8 1/2 MILES NE OF BASE BUT COULD NOT SPOT
THE AIRCRAFT VISUALLY. AT APPROX 0350Z THE KC-135 PICKED UP THE
UNIDENTIFIED AIRCRAFT NE OF THE BASE AT APPROX 030/21 ON A VISUAL
AGE 02 RUCSHIJ 2068 UNCLAS

IC TNG. KC-135 SAID HE SAW TWO AIRCRAFT IN A TRAIL FORMATION
APPROX 150 KIAS HEADING SOUTH. KC-135 SAID HE LOST CONTACT
WITH THE FORMATION AT 0413Z WITH THE UNIDENTIFIED FORMATION ON
THE KOSC 115/35 KC-135 TRACKED THE AIRCRAFT SOUTH TO THE MICH.
THUMB. AREA AND BACK NORTH TO THE BASE AREA A NUMBER OF TIMES.
EACH TIME THE KC-135 LOST VISUAL SIGHTING. KC-135 LANDED WHEN
FUEL APPROACHED OI MINIMUMS. INVESTIGATIONS IN PROGRESS. REPORTS
TO FOLLOW AS INFO IS OBTAINED

BT
#2068
OTCUZYUW RUCSHIJ2068 3040549 0034-UUUU

3040548

IMMEDIATE

DDO UPDATE

AS-OF 310600 EST OCT 1975

LOW FLYING AIRCRAFT/HELICOPTER SIGHTINGS

(U) The SAC Senior Controller notified the NMCC at 302342 EST of unidentified low-flying aircraft/helicopter sightings at Wurtsmith AFB, MI. One aircraft was visually sighted in the vicinity of the motor pool. RAPCON showed several objects on radar at the same time. A tanker was dispatched to the area and obtained both visual and radar skin paint of two aircraft. Both aircraft had lights on initially but appeared to turn them off simultaneously. (SOURCE: OPREP-3 302327 OCT 75)

[REDACTED]

DDO UPDATE

AS OF 081400 EST NOV 1975

UFO SIGHTING

(U) From 080253 EST Nov 75 to 080420 EST Nov 75, Malmstrom AFB MT and four SAC sites reported a series of visual and radar contacts with unidentified flying objects. Several reports from the same locations included jet engine sounds associated with the observed bright lights. Two interceptors scrambled from 24th NORAD Region failed to make contact with the UFO's.

(U) The UFO sightings occurred on an extremely clear night. Visibility was 45 miles. Although northern lights will cause phenomena similar to the received reports, weather services indicated no possibility of northern lights during the period in question. (SOURCE: NMCC MFR 080600 EST NOV 75.

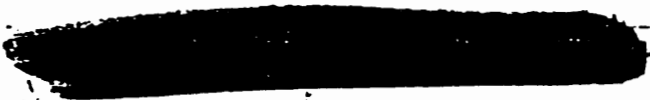
[REDACTED]

DDO UPDATE

AS OF 032200 EST NOV 75

NORTH DAKOTA

(U) At 032115 EST a penetration of the flight line at Grand Forks AFB by unknown persons was reported by AFOC. At least two KC-135 aircraft were hit by small arms fire. Security forces with dogs are tracking the unknown attackers. (SOURCE: AFOC)

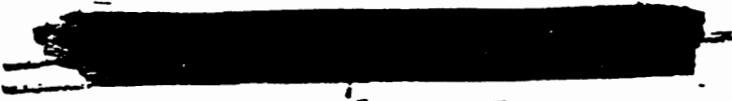


DDO TALKER

AS OF 091400 EST NOV 75

UFO SIGHTING

(U) Unknown sightings vicinity Malmstrom AFB, MT (See MFR).
A follow-up with NORAD at 090430 EST provided no additional
information. (LTG Smith indicated his continuing interest in
phoneson with DDO OT #4 on 8 November 1975).



~~UNCLASSIFIED~~

PRIORITY

MSG 54

PAFF 01 257 DR 13

ACTION: NONE-DR

INFO:

PATCZYUW RUEKJCS 9717 76 DR 10 MTMS-CCCC-RJFFHQA-

ZNY ~~CCCCC~~

P 230810Z SEP 76

FM JCS

INFO RUEHC/SECSTATE WASH DC

RUEAIIA/CIA

RUEOTAH/NSA WASH DC

RUEADWW/WHITE HOUSE WASH DC

RUEFHQA/CSAF WASH DC

RUEFNAAA/CNO WASH DC

RUEADDD/CRA WASH DC

730610Z SEP 76

FM USDAO TEHRAN

TO RUEKJCS/DIA WASH DC

INFO RUEKJCS/SECDEF DEPSECDEF WASH DC

RUEFRAA/COMUSMACV

RUECA/CTINCSAF LINDSEY AS GE/INCF

RUEAR/CTINCSAF RAMSTEIN AB GE/INOCN

RUEWAAA/USDAO VAHTNGEN GER

RUEWAAA/USCINCEUR VAHTNGEN GER/ECJ-2

BT

~~CONFIDENTIAL~~ 1235 SEP 76

THIS IS IR 6 846 0139 76

1. (U) IRAN
2. REPORTED UFO SIGHTING (U)
3. (U) NA
4. (U) 19 & 20 SEP 76
5. (U) TEHRAN, IRAN: 20 SEP 76
6. (U) F-6
16. (U) 6 846 0008 (NOTE RE COMMENTS)
8. (U) 6 846 0139 76
9. (U) 77 SEP 76
10. (U) NA
11. (U) INITIATE IPSP PT-1040
12. (U) USDAO, TEHRAN, IRAN
13. (U) FRANK B. MCKENZIE, COL, USAF, DA TT
14. (U) NA
15. (U) THIS REPORT FORWARDS INFORMATION CONCERNING THE SIGHTING OF AN UFO IN IRAN ON 19 SEPTEMBER 1976. AT ABOUT 1230 AM ON 19 SEP 76 THE

RECEIVED FOUR TELEPHONE CALLS

FROM CITIZENS LIVING IN THE SHEHIRAN AREA OF TEHRAN SAYING

~~UNCLASSIFIED~~

PRIORITY

THAT THEY HAD SEEN STRANGE OBJECTS IN THE SKY. SOME REPORTED A KIND OF BIRD-LIKE OBJECT WHILE OTHERS REPORTED A HELICOPTER WITH A LIGHT ON. THERE WERE NO HELICOPTERS AIRBORNE AT THAT TIME.

AFTER HE TOLD THE CITIZEN IT WAS ONLY STARS AND HAD TALKED TO MEHRABAD TOWER HE DECIDED TO LOOK FOR HIMSELF. HE NOTICED AN OBJECT IN THE SKY SIMILAR TO A STAR BIGGER AND BRIGHTER. HE DECIDED TO SCRAMBLE AN F-4 FROM SHAHROKHI AFB TO INVESTIGATE.

B. AT 0130 HRS ON THE 19TH THE F-4 TOOK OFF AND PROCEEDED TO A POINT ABOUT 40 NM NORTH OF TEHRAN. DUE TO ITS BRILLIANCE THE OBJECT WAS EASILY VISIBLE FROM 70 MILES AWAY.

AS THE F-4 APPROACHED A RANGE OF 25 NM HE LOST ALL INSTRUMENTATION AND COMMUNICATIONS (UHF AND INTERCOM). HE BROKE OFF THE INTERCEPT AND HEADED BACK TO SHAHROKHI. WHEN THE F-4 TURNED AWAY FROM THE OBJECT AND APPARENTLY WAS NO LONGER A THREAT TO IT THE AIRCRAFT REGAINED ALL INSTRUMENTATION AND COMMUNICATIONS.

AT 0140 HRS A SECOND F-4 WAS LAUNCHED. THE BACKSEATER ACQUIRED A RADAR LOCK ON AT 27 NM. 12 O'CLOCK HIGH POSITION WITH THE VC (RATE OF CLOSURE) AT 150 NMPH.

AS HE RANGE DECREASED TO 25 NM THE OBJECT MOVED AWAY AT A SPEED THAT WAS VISIBLE ON THE RADAR SCOPE AND STAYED AT 25NM.

C. THE SIZE OF THE RADAR RETURN WAS COMPARABLE TO THAT OF A 707 TANKER. THE VISUAL SIZE OF THE OBJECT WAS DIFFICULT TO DISCERN BECAUSE OF ITS INTENSE BRILLIANCE. THE LIGHT THAT IT GAVE OFF WAS THAT OF FLASHING STROBE LIGHTS ARRANGED IN A RECTANGULAR PATTERN AND ALTERNATING BLUE, GREEN, RED AND ORANGE IN COLOR. THE SEQUENCE OF THE LIGHTS WAS SO FAST THAT ALL THE COLORS COULD BE SEEN AT ONCE. THE OBJECT AND THE PURSUING F-4 CONTINUED ON A COURSE TO THE SOUTH OF TEHRAN WHEN ANOTHER BRIGHTLY LIGHTED OBJECT, ESTIMATED TO BE ONE HALF TO ONE THIRD THE APPARENT SIZE OF THE MOON, CAME OUT OF THE ORIGINAL OBJECT. THIS SECOND OBJECT HEADED STRAIGHT TOWARD THE F-4 AT A VERY FAST RATE OF SPEED. THE PILOT ATTEMPTED TO FIRE AN AIM-9 MISSILE AT THE OBJECT BUT AT THAT INSTANT HIS WEAPONS CONTROL PANEL WENT OFF AND HE LOST ALL COMMUNICATIONS (UHF AND INTERPHONE). AT THIS POINT THE PILOT INITIATED A TURN AND NEGATIVE G DIVE TO GET AWAY. AS HE TURNED THE OBJECT FELL IN TRAIL AT WHAT APPEARED TO BE ABOUT 3-4 NM. AS HE CONTINUED IN HIS TURN AWAY FROM THE PRIMARY OBJECT THE SECOND OBJECT WENT TO THE INSIDE OF HIS TURN THEN RETURNED TO THE PRIMARY OBJECT FOR A PERFECT REJOIN.

SHORTLY AFTER THE SECOND OBJECT JOINED UP WITH THE PRIMARY OBJECT ANOTHER OBJECT APPEARED TO COME OUT OF THE

PRIORITY

DETT: MSGR54

PAGE 03 267 HRTJ

OTHER SIDE OF THE PRIMARY OBJECT GOING STRAIGHT DOWN AT A GREAT RATE OF SPEED. THE F-4 CREW HAD REGAINED COMMUNICATIONS AND THE WEAPONS CONTROL PANEL AND WATCHED THE OBJECT APPROACH THE GROUND ANTICIPATING A LARGE EXPLOSION. THIS OBJECT APPEARED TO COME TO REST GENTLY ON THE EARTH AND CAST A VERY BRIGHT LIGHT OVER AN AREA OF ABOUT 2-3 KILOMETERS. THE CREW DESCENDED FROM THEIR ALTITUDE OF 25K TO 15K AND CONTINUED TO OBSERVE AND MARK THE OBJECT'S POSITION. THEY HAD SOME DIFFICULTY IN ADJUSTING THEIR NIGHT VISIBILITY FOR LANDING SO AFTER ORBITING MEHRABAD A FEW TIMES THEY WENT OUT FOR A STRAIGHT IN LANDING. THERE WAS A LOT OF INTERFERENCE ON THE UHF AND EACH TIME THEY PASSED THROUGH A MAG. BEARING OF 150 DEGREE FROM MEHRABAD THEY LOST THEIR COMMUNICATIONS (UHF AND INTERPHONE) AND THE INS FLUCTUATED FROM 30 DEGREES - 50 DEGREES. THE ONE CIVIL AIRLINER THAT WAS APPROACHING MEHRABAD DURING THIS SAME TIME EXPERIENCED COMMUNICATIONS FAILURE IN THE SAME VICINITY (KILO 70000) BUT DID NOT REPORT SEEING ANYTHING. WHILE THE F-4 WAS ON A LONG FINAL APPROACH THE CREW NOTICED ANOTHER CYLINDER SHAPED OBJECT (ABOUT THE SIZE OF A T-BIRD AT 10M) WITH BRIGHT STEADY LIGHTS ON EACH END AND A FLASHER IN THE MIDDLE. WHEN QUERIED THE TOWER STATED THERE WAS NO OTHER KNOWN TRAFFIC IN THE AREA. DURING THE TIME THAT THE OBJECT PASSED OVER THE F-4 THE TOWER DID NOT HAVE A VISUAL ON IT BUT PICKED IT UP AFTER THE PILOT TOLD THEM TO LOOK BETWEEN THE MOUNTAINS AND THE REFINERY.

E. DURING DAYLIGHT THE F-4 CREW WAS TAKEN OUT TO THE AREA IN A HELICOPTER WHERE THE OBJECT APPARENTLY HAD LANDED. NOTHING WAS NOTICED AT THE SPOT WHERE THEY THOUGHT THE OBJECT LANDED (A DRY LAKE BED) BUT AS THEY CIRCLED OFF TO THE WEST OF THE AREA THEY PICKED UP A VERY NOTICEABLE BEEPER SIGNAL. AT THE POINT WHERE THE RETURN WAS THE LOUDEST WAS A SMALL HOUSE WITH A GARDEN. THEY LANDED AND ASKED THE PEOPLE WITHIN IF THEY HAD NOTICED ANYTHING STRANGE LAST NIGHT. THE PEOPLE TALKED ABOUT A LOUD NOISE AND A VERY BRIGHT LIGHT LIKE LIGHTENING. THE AIRCRAFT AND AREA WHERE THE OBJECT IS BELIEVED TO HAVE LANDED ARE BEING CHECKED FOR POSSIBLE RADIATION.

MORE INFORMATION WILL BE FORWARDED WHEN IT BECOMES AVAILABLE.

~~XXXX-7-110000000~~

P.T

2 17

F 7YUW RUFKJCS9717 2670810 0130-CCCC

2670814

PRIORITY

 UNCLASSIFIED

DDO UPDATE

AS OF 110600 EST NOV 75

CJCS COMMENTS RE UFO INCIDENT

(U) CJCS, at 10 Nov morning briefing, indicated that when UFO sightings are reported, the NMCC should ask for temperature gradients in the area (i.e., for possible aloft inversions). The CJCS also questioned the advisability of scrambling aircraft against reported UFOs.



THE JOINT STAFF

N M C C
THE NATIONAL MILITARY COMMAND CENTER

WASHINGTON, D.C. 20301

8 November 1975
0600 EST

MEMORANDUM FOR RECORD

Subject: Unidentified Sightings

1. 0308 EST FONECON from NORAD Command Director: at 0253 EST Malmstrom AFB Montana received seven radar cuts on the height-finder radar at altitudes between 9,500' and 15,500'. Simultaneously, ground witnesses observed lights in the sky and the sounds of jet engines similar to jet fighters. Cross-tell with FAA revealed no jet aircraft within 100NM of the sightings. Radar tracked the objects over Lewistown, Montana at a speed of seven (7) knots. Two F-106 interceptors from the 24th NORAD Region were scrambled at 0254 EST and became airborne at 0257 EST. At the time of the initial voice report personnel at Malmstrom AFB and SAC sites K1, K3, L3 and L6 were reporting lights in the sky accompanied by jet engine noise.

2. 0344 EST FONECON, same source:

Objects could not be intercepted. Fighters had to maintain a minimum of 12,000' because of mountainous terrain. Sightings had turned west, increased speed to 150 knots. Two tracks were apparent on height-finder radars 10-12 NM apart. SAC site K3 reported sightings between 300' and 1,000' while site L-4 reported sightings 5NM NW of their position. Sightings disappeared from radar at position 4650N/10920W at a tracked speed of three (3) knots.

3. At 0440 EST, NMCC initiated contact with the NORAD Command Director who reported the following:

0405 EST: Malmstrom receiving intermittent tracks on both search and height-finder radars. SAC site C-1, 10NM SE of Stanford, Montana, reported visual sightings of unknown objects.


0420 EST: Personnel at 4 SAC sites reported observing intercepting F-106's arrive in area; sighted objects turned off their lights upon arrival of interceptors, and back on upon their departure.

0440 EST: SAC site C-1 still had a visual sighting on objects.



4. NORAD stated that Northern Lights will sometimes cause phenomena such as this on height-finder radars, but their check with weather services revealed no possibility of Northern Lights.

5. NMCC notified Washington FAA at 0445 EST of the incidents described above. They had not received any information prior to this time.

6. 0522 EST FONECON with NORAD Command Director: At 0405 EST SAC Site L-5 observed one object accelerate and climb rapidly to a point in altitude where it became indistinguishable from the stars. NORAD will carry this incident as a FADE remaining UNKNOWN at 0320 EST, since after that time only visual sightings occurred.


WILMAN D. BARNES
Brigadier General, USA
Deputy Director for
Operations, NMCC

Copy to:
DDO
ADDO
CCOC
ALL AREA DESKS



DDO UPDATE

AS OF 132200 EST NOV 75

UFO ANALYSIS

(U) In future UFO sightings, the WEST HEM Desk Officer will initiate telephone requests to the Senior Duty Officer at the Air Force Global Weather Central (AFGWC) for a temperature inversion analysis in the vicinity of unusual sightings. The telephone response by AFGWC will be followed with a priority message. (SOURCE: NMCC MFR 132035 EST NOV 75)



THE JOINT STAFF

N M C C
THE NATIONAL MILITARY COMMAND CENTER
WASHINGTON, D.C. 20301

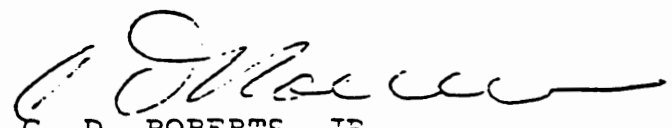
13 November 1975
2035 EST

MEMORANDUM FOR RECORD

Subject: Requests for Temperature Inversion Analysis

1. LTC Schmidt, representing Air Force Global Weather Central (AFGWC), visited the NMCC at 131500 EST to discuss arrangements to implement the procurement of weather information desired by CJCS, which is the subject of DDO Environmental Services memo of 13 November 1975. The following agreements with LTC Schmidt were reached:

- a. The West Hem Desk Officer will act as the control officer for temperature inversion analysis requests initiated by the NMCC. These requests will be made in conjunction with sightings of unusual phenomenon along the northern US border.
- b. Each telephone request will be serialized, i.e., (TIA #1, etc.) and directed to the duty officer at AFGWC, autovon 866-1661 or 271-2586. AFGWC will provide the requested analyses by telephone followed up by a priority message.
- c. A record of the serialized requests/responses will be maintained by the West Hem Desk Officer.


C. D. ROBERTS, JR.
Brigadier General, USMC
Deputy Director for
Operations, NMCC

- Distribution:
- J-30
 - J-31
 - J-32
 - J-32A
 - J-38
 - DDO
 - ADDO
 - CCOC
 - West Hem Desk
 - WMCCS Ops & Eval Div



THE JOINT STAFF

N M C C

THE NATIONAL MILITARY COMMAND CENTER
WASHINGTON, D.C. 20301

21 January 1976
0630 EST

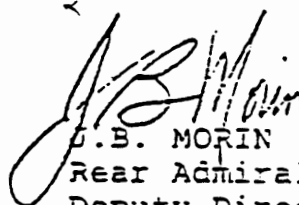
MEMORANDUM FOR RECORD

Subject: Report of UFO - Cannon AFB NM

Reference: AFOC Phonecon 21055 EST Jan 76

The following information was received from the Air Force Operations Center at 0555 EST:

"Two UFOs are reported near the flight line at Cannon AFB, New Mexico. Security Police observing them reported the UFOs to be 25 yards in diameter, gold or silver in color with blue light on top, hole in the middle and red light on bottom. Air Force is checking with radar. Additionally, checking weather inversion data."



J.B. MORIN
Rear Admiral, USN
Deputy Director for
Operations, NMCC



THE JOINT STAFF

N M C C

THE NATIONAL MILITARY COMMAND CENTER
WASHINGTON, D.C. 20301

31 January 1976
1400 EST

MEMORANDUM FOR THE RECORD

Subject: Unidentified Flying Object Sighting

1. At 310805 received phoncon from AFOC: MG Lane, CG, Armanent and Development Test Center, Eglin AFB, Florida called and reported a UFO sighting from 0430 EST to 0600 EST. Security Policemen spotted lights from what they called a UFO near an Eglin radar site.
2. Photographs of the lights were taken. The Eglin Office of Information has made a press release on the UFO.
3. The temperature inversion analysis indicated no significant temperature inversion at Eglin AFB at that time. The only inversion present was due to radiation from the surface to 2500 feet. The Eglin surface conditions were clear skies, visibility 10-14 miles, calm winds, shallow ground fog on the runway, and a surface temperature of 44 degree F.

FRED A. TREVIS
Brigadier General, USAF
Deputy Director for
Operations (NMCC)

DISTRIBUTION:

DDO
ADDO
CCOC
West Hem
PA
AFOC
J-30
J-32



THE JOINT STAFF

N M C C

THE NATIONAL MILITARY COMMAND CENTER
WASHINGTON, D.C. 20301

30 July 1976
0345 EDT

MEMORANDUM FOR RECORD

Subject: Reports of Unidentified Flying Objects (UFOs)

1. At approximately 0345 EDT, the ANMCC called to indicate they had received several reports of UFO's in the vicinity of Fort Ritchie. The following events summarize the reports (times are approximate).

a. 0130 - Civilians reported a UFO sighting near Mt. Airy, Md. This information was obtained via a call from the National Aeronautics Board (?) to the Fort Ritchie Military Police.

b. 0255 - Two separate patrols from Site R reported sighting 3 oblong objects with a reddish tint, moving east to west. Personnel were located at separate locations on top of the mountain at Site R.

c. 0300 - Desk Sgt at Site R went to the top of the Site R mountain and observed a UFO over the ammo storage area at 100-200 yards altitude.

d. 0345 - An Army Police Sgt on the way to work at Site R reported sighting a UFO in the vicinity of Site R.

2. ANMCC was requested to have each individual write a statement on the sightings. One individual stated the object was about the size of a 2 1/2 ton truck.

3. Based on a JCS memorandum, subject: Temperature Inversion Analysis, dated 13 November 1975, the NMCC contacted the Air Force Global Weather Central. The Duty Officer, LTC OVERBY, reported that the Dulles International Airport observations showed two temperature inversions existed at the time of the

Subject: Reports of Unidentified Flying Objects (UFOs)

alleged sightings. The first extended from the surface to 1,000 feet absolute and the second existed between 27,000 and 30,000 feet, absolute. He also said the atmosphere between 12,000 and 20,000 feet was heavily saturated with moisture. A hard copy message will follow.

L. J. LeBlanc Jr.
L. J. LEBLANC, Jr.
Brigadier General, USMC
Deputy Director for
Operations, NMCC

DISTRIBUTION:

J-30
J-31
J-32
J-33
DDO
ADDO
CCOC
WHEM Desk
ASD/PA Rep

STATISTICAL DATA FOR YEARS 1953-1964

(Compiled 1 Nov 65)

TOTAL CASES BY CATEGORY

	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	TOTAL
Astronomical	175	137	135	222	341	231	144	235	203	136	85	123	2167
Aircraft	73	80	124	148	218	106	63	66	77	68	73	71	1167
Balloon	78	63	102	93	114	58	31	22	37	19	28	20	665
Insufficient Data	79	103	95	132	191	111	85	105	115	94	59	99	1248
Other	62	58	65	61	120	93	75	94	77	65	58	88	916
Satellite	0	0	0	0	8	18	0	21	69	77	62	142	417
Unidentified	42	46	24	14	14	10	12	14	13	15	14	19	237
TOTAL	509	487	545	670	1006	627	390	557	591	474	399	582	6817

ASTRONOMICAL SIGHTINGS

Meteors	70	92	79	88	179	168	100	187	119	95	57	61	1295
Stars and Planets	101	44	52	131	144	56	40	45	78	36	23	55	805
Other	4	1	4	3	18	7	4	3	6	5	5	7	67
TOTAL	175	137	135	222	341	231	144	235	203	136	85	123	2167

OTHER CASES

Hoaxes, Hallucinations, Unreliable Reports and Psychological Causes	15	6	18	16	37	29	14	13	17	11	16	34	226
Missiles and Rockets	2	1	1	3	2	6	14	12	13	9	13	7	83
Reflections	4	6	4	3	2	7	11	9	3	3	0	2	54
Flares and Fireworks	1	4	8	6	8	3	5	7	4	3	3	7	59
Mirages and Inversions	3	2	4	1	5	2	4	5	6	3	0	2	37
Search and Groundlights	9	6	14	9	12	8	5	6	1	3	2	6	81
Clouds and Contrails	6	3	2	1	9	5	3	4	5	4	5	0	47
Chaff	0	2	0	1	2	6	1	4	3	5	2	1	27
Birds	4	7	2	6	1	1	0	3	2	2	2	4	34
Radar Analysis	15	7	1	8	27	3	8	6	9	0	1	2	87
Photo Analysis	1	1	2	4	1	7	4	6	3	2	3	6	40
Physical Specimens	1	6	5	3	5	10	3	7	4	15	3	8	70
Satellite Decay	0	0	0	0	0	1	0	9	3	3	4	3	23
Other	1	7	4	0	9	5	3	3	4	2	4	6	48
TOTAL	62	58	65	61	120	93	75	64	77	65	58	88	916

STATISTICS FOR 1965

(Compiled 18 Jan 1966)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ASTRONOMICAL	10	8	11	4	2	10	27	82	30	27	22	12	245
AIRCRAFT	11	8	14	11	14	7	32	61	20	13	14	5	210
BALLOON	3	2	1	3	0	3	7	6	2	7	0	2	36
INSUFFICIENT DATA	5	4	2	4	4	2	16	24	15	5	3	1	85
OTHER	11	8	7	8	5	6	9	42	7	9	11	3	126
SATELLITE	4	5	5	5	15	5	42	41	24	3	0	3	152
UNIDENTIFIED	1	0	2	1	1	0	2	4	4	0	1	0	16
PENDING	0	0	1	0	0	0	0	2	2	6	4	2	17
TOTAL	45	35	43	36	41	33	135	262	104	70	55	28	887

ASTRONOMICAL CASES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Meteors	6	6	8	2	2	4	14	26	13	6	9	5	101
Stars and Planets	3	1	3	2	0	5	10	55	16	20	13	7	135
Other	1a	1b	0	0	0	1c	3d	1e	1a	1f	0	0	9
TOTAL	10	8	11	4	2	10	27	82	30	27	22	12	245

(a) Solar Image (b) Moon (c) Sun (d) Reflected Moonlight, Parhelia, Moon (e) Reflected Moonlight (f) Comet Ikeya-Seki

OTHER CATEGORY

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Hoaxes, Hallucinations, Unreliable Reports and Psychological Causes	5	3	4	1	2	1	2	12	1	3	0	0	34
Missiles and Rockets					1			3	1	1	3	1	10
Reflections						1	1	2	1	1	1		7
Flares and Fireworks					1		1	1			1		4
Mirages and Inversions							2	3					5
Search and Ground Lights	2	1	0	1	0	0	1	2	0	0	2	0	9
Clouds and Contrails	1							1	1				3
Chaff												1	1
Birds	1	2		2				3	1	1	1		11
Physical Specimens		1c						1r	1w				3
Radar Analysis				1e		1g		3gmn		1m			6
Photo Analysis			2dl		1d	1j	2kj	5x	1j				12
Satellite Decay	0	1	1	1	0	1	0	2	0	1	0	1	8
Miscellaneous	2ab			2bf		1h		4sbbb		1h	3tuv		13
TOTAL	11	8	7	8	5	6	9	42	7	9	11	3	126

(a) Tracer Bullets (b) Misinterpretation of Conventional Objects (c) Metal Ball (d) Developer Smear (e) Anomalous Propagation (f) Kites (g) Electronic Counter Measures (h) Debris in Wind (j) No Image on Film (k) Poor Photo Process (l) Free Falling Object (m) False Targets (n) Weather Returns (p) Emulsion Flaws (r) Plastic Bags (s) Man on Ground (t) Lightning (u) Chemical Trails from Research Rocket (v) Missile Launch Activity (w) Gourd

FIREBALL REPORT

Persons observing a fireball or meteor should report the information to the American Meteor Society. The information desired is contained below.

A very brilliant meteor or fireball is reported to have passed in your vicinity on at the hour of Will you please answer as fully as possible the following questions, which are asked on behalf of the American Meteor Society in order that permanent records of such phenomena may be obtained. When these reports are published each contributor whose report is fairly complete will be mentioned, if

possible, and due credit given. It is only by the help of those who can give personal information that data can be secured for the computation of the orbits of meteors. These data are of great scientific value and all reasonable efforts should be made to obtain them. You will be unable probably to answer all questions below, but answer those you can, as they may be of the greatest importance.

- (1) Give your name and address.
- (2) Where were you when you saw the meteor? (If the town is small please give county as well.)
- (3) Give the date, hour and minute when the meteor appeared; also kind of time used.
- (4) In what direction did it appear (or in what direction was it first seen)? This is not asking in what direction it was going!
- (5) In what direction did it disappear (or in what direction was it last seen)? For questions 4 and 5, simply N, E, S, or W is not accurate enough, unless these were the exact directions. If compass is used, state it; also if magnetic correction has been applied to compass reading.
- (6) At what height did it appear? (Use degrees in answering.)
- (7) At what height did it disappear? (Use degrees in answering.)
- (8) Did it pass directly overhead (i.e., through the zenith)?
- (9) If not, to which side of the zenith did it go, and how far from it? (Use degrees in answering.)
- (10) Did it appear to reach the horizon? What sort of a horizon have you?
- (11) What angle did the path of the meteor make with the horizon and in which direction was it then going?
- (12) If you are familiar with constellations describe the path of the meteor through the sky with reference to stars.
- (13) Did the meteor appear to explode?
- (14) What was the duration of its flight in seconds?
- (15) Describe the train if one was left. If it lasted long enough to show drift, most carefully tell in what direction train drifted. Give sketch, if possible, showing this with regard to horizon.
- (16) What was the duration of the train in seconds?
- (17) Did you hear any sound? How long after seeing the meteor was it before you heard this sound?

Did you hear an actual explosion? How long after seeing the explosion was it before you heard it?

- (18) Of what color was the meteor?
- (19) What was the size of the meteor? (Compare it with the Moon or with a planet or star.)
- (20) Was more than one body seen before the explosion (if any)?
- (21) What was condition of sky at time?
- (22) Give names and addresses of others who saw the meteor.
- (23) Please mail this reply to

Charles P. Oliver
AMERICAN METEOR SOCIETY
521 N. Wynnewood Ave
Narberth, Pennsylvania 19072