

MULTIPLE

PROJECT 10073 RECORD CARD

1. DATE 23 Nov 60	2. LOCATION Midwestern U. S.		12. CONCLUSIONS <input type="checkbox"/> Was Balloon <input type="checkbox"/> Probably Balloon <input type="checkbox"/> Possibly Balloon <input type="checkbox"/> Was Aircraft <input type="checkbox"/> Probably Aircraft <input type="checkbox"/> Possibly Aircraft <input type="checkbox"/> Was Astronomical <input type="checkbox"/> Probably Astronomical <input type="checkbox"/> Possibly Astronomical <input checked="" type="checkbox"/> Other <u>Tiros II.</u> <input type="checkbox"/> Insufficient Data for Evaluation <input type="checkbox"/> Unknown	
3. DATE-TIME GROUP Local <u>0615-1400</u> GMT <u>23/1115-1900Z</u>	4. TYPE OF OBSERVATION <input type="checkbox"/> Ground-Visual <input type="checkbox"/> Ground-Radar <input type="checkbox"/> Air-Visual <input type="checkbox"/> Air-Intercept Radar			
5. PHOTOS <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. SOURCE Military and Civilian			
7. LENGTH OF OBSERVATION Varied with different observers	8. NUMBER OF OBJECTS one and two	9. COURSE N		
10. BRIEF SUMMARY OF SIGHTING Bright white light, brighter than any star. Some witnesses reported one object; others two. Some reported object as being reddish white with a long white trail.			11. COMMENTS At the general times of the sightings, Tiros II was in horizontal flight and the third stage was in operation. The general descriptions by the witnesses match those given by missile men from experiences with other launchings. There is no evidence to indicate that the object observed was nothing more than Tiros II during its initial flight after launch.	

ACTION REQUIRED. UFO. REFERENCE AFR 200-2, PAR 15.

A. (1) VARIED BETWEEN BALL AND SHAPLESS.

(2) UNKNOWN

(3) REDDISH WHITE

(4) ONE

(5) NONE

(6) NONE

(7) LONG WHITE TRAIL

(8) NONE

PAGE TWO RJEDAH 34

(9) VERY BRIGHT

B. (1) AIRLINE AND CONTROL TOWER REPORTS

(2) APPROX 15000 FT SOUTHEAST CHICAGO

(3) NORTHEAST INTO LAKE MICHIGAN

(4) SWUNG SOUTHWEST, THEN SOUTH

(5) FROM SOUTH TO NORTHEAST, THEN NORTH INTO LAKE MICHIGAN

(6) FOUR TO FIVE MINUTES

C. (1) VISUAL

(2) BINOCULARS

(3) NUMEROUS PILOT REPORTS TO ARTC (CHICAGO)

D. (1) 1124Z 23 NOV 60

(2) NIGHT

E. (1) CHICAGO ARTC

(2) CHICAGO, ILLINOIS

F. (1) MR. [REDACTED], AGE: 49, [REDACTED], BERWYN, ILLINOIS

G. (1) CLEAR

(2) A. NW/8; B. 290/15; C. 250/25; D. 250/40; E. 250/60;
F. 250/105; G. 250/55; H. 60,000 FT: 250/45.

(3) NONE

PAGE THREE RJEDAH 34

(4) 15 PLUS

(5) NONE

(6) NONE

H. NONE

I. NONE - INSUFFICIENT TIME

J. NONE

K. MAJOR BILLY D WELCH, SR DIRECTOR, CHICAGO ADS

(2) REPORTS FROM SEVERAL SOURCES WERE CONSISTANT AS TO COLOR
OF OBJECT.

(3) UNKNOWN

L. NONE

M. NONE

REMARKS: O'HARE AND MIDWAY AIRPORTS TOWER OPERATORS AND SEVERAL
PERSONS IN CHICAGO ARTC WITNESSED THE OBJECT. CHICAGO ARTC ALSO
RECEIVED REPORTS FROM SEVERAL AIRCRAFT AND FROM PEORIA AND SPRING-
FIELD, ILLINOIS TOWERS. A CHECK WITH UNIV OF WISC METEOROLOGICAL
OBSERVATORY REVEALED NO METEORS OR OTHER OBJECTS THAT COINCIDED WITH
THE DISCRIPTION GIVEN. BUNKER HILL AFB, PERU, INDIANA, ALSO REPORTED
THIS OBJECT.

BT

NNNN

RECEIVED

CZCS2GA30ZCAHA698

RR RJEDSQ

DE RJEDAH 56

R 291715Z 2EX

1960 NOV 30 03 19

31

4E2G
3440A

FM HQ CALS TRUAX FLD WIS

TO ATIC WPAFB OHIO

BT

UNCLAS/CHOIN 11-4. FOR INTELLIGENCE. SUBJECT: UFO. REF MY
 CHOIN 11-5, 23 NOV 60 AND TEL CONVERSATION WITH SGT BOLIU, ATIC.
 CONTACT WITH INDIVIDUAL FAA TOWERS REVEALS THE FOLLOWING:
 OHARE APT, CHICAGO: OBJECT FIRST SIGHTED 0520 CST 23 NOV 60
 SOUTHEAST OF AIRPORT, FLEW 240 DEGREES, THEN 130 DEGREES. TURNED
 080 DEGREES AND DISAPPEARED ON A COURSE OF 050 OVER LAKE
 MICHIGAN. OBSERVER FEELS IT WAS NOT A BALLOON. IT FIRST APPEARED
 TO BE AN AIRCRAFT WITH LANDING LIGHTS APPROACHING OBSERVER THEN
 LIKE AN ACFT TAIL LIGHT RECEEDING FROM OBSERVER. OBSERVER: *atc*
 MR [REDACTED] AGE: 30, [REDACTED], AUROPA, ILLINOIS.

PAGE TWO RJEDAH 56

BUNKER HILL AFB, INDIANA: MSGT RIVIERA, NCOIC OF AACS DETACHMENT
REPORTS OBJECT WAS ON HEADING OF 090 DEGREES. APPEARED TO BE A
METEOR. ANOTHER AIRMAN SAME LOCATION THROUGHT IT LOOKED LIKE A
B-52. CAPITAL APT, SPRINGFIELD, ILLINOIS: OBSERVER WAS MR MARTIN T.
HUSAR, FAA CONTROLLER, LOG ENTRY READS: 1120Z, COMET LIKE
OBJECT OBSERVED ON EAST HORIZON. SEEMED TO BE LIGHT SIMILAR TO
ROCKET ENGINE WITH TRAIL THAT FANNED OUT BEHIND IT.

PEORIA APT, ILLINOIS: NO LOG ENTRY COVERING THIS SIGHTING
AND NO ONE THERE WAS AWARE OF IT.

ALL PARTIES ARE IN AGREEMENT THAT THE OBJECT WAS NOT A BALOON.

BT

29/1721Z NOV RJEDAH

NNNN

63

M

1030 NOV 23 22 48

RE154

ZCSQQDZ26ZCBWA439

PP RJEDSQ

DE RJEDDW IC

P 232130Z

FM DETROIT ADS CUSTER AFS MICH

TO RJWFAL/ADC ENT AFB COLO

RJEDAH/30 AIR DIV SAGE TRUAX FLD WISC

RJEDSQ/AEROSPACE TECHNICAL INTELLIGENCE CTR WRIGHT PATTERSON AFB OHIO

RJEZHQ/HQ USAF AFGIN WASHINGTON 25 D C

RJEZHQ/SECRETARY OF THE AIR FORCE SAFIS WASH 25 DC

RJEDFJ/1 FTR WG SELFRIDGE AFB MICH

BT

UNCLASS DEOIN 3376.

SUBJ: UFO. BECAUSE OF PAUCITY OF DETAIL ON SIGNIFICANT POINTS, FORMAT IN PARAGRAPH 15, AFR 200-2, IS NOT USED IN THIS REPORT. NUMEROUS REPORTS OF UNIDENTIFIED FLYING OBJECT ACROSS LOWER PORTION OF MICHIGAN RECEIVED AT THIS HEADQUARTERS UP TO 231430Z NOV 60. REPORTED OBSERVATIONS ALL OCCURRED BETWEEN 231120Z AND 231400Z. FIRST REPORTED SIGHTING WAS BY MR [REDACTED] (TELEPHONE [REDACTED]), OF RADIO STATION "[REDACTED]", KALAMAZOO

631
 3 J E Z (UFO)
 4. J X U W

PAGE TWO RJEDBW 10

HE REPORTED TWO BRIGHT LIGHTS OBSERVED EAST OF KALAMAZOO AT 1120ZM NO FURTHER DATA. NEXT REPORTED SIGHTINGS WERE VICINITY OF BATTLE CREEK BETWEEN 1130Z AND 1200Z. MOST REPORTS DESCRIBED A BRILLIANT, SHINY OBJECT, FLOATING TOWARD THE EAST-NORTHEAST OF BATTLE CREEK. SEVERAL REPORTS WERE DESCRIBED A FAN-SHAPED "TAIL" APPARENTLY HANGING FROM THE OBJECT. "TAIL" APPEARED TO OSCILLATE IN FLIGHT. NO FURTHER DATA. LAST REPORTED SIGHTINGS (MANY IN NUMBER) OCCURRED VICINITY OF DETROIT AND SELFRIDGE AFB APPROXIMATELY 1330Z TO 1400Z. OBJECT APPEARED TO RESEMBLE BALLOON ON NORTHEAST HEADING. NO FURTHER DATA.

COMMENTS OF PREPARING OFFICER: 1. NO UFO WAS TRACKED BY DETROIT AIR DEFENSE SECTOR FACILITIES DURING STATED TIME PERIODS. 2. A GENERAL TEMPERATURE INVERSION COVERED THE SECTOR AREA DURING THE MORNING. 3. WIND PATTERNS WERE SUCH THAT A BALLOON LAUNCHED IN AREA TO THE WEST AND NORTHWEST OF DETROIT SECTOR WOULD TRANSIT THE SECTOR

PAGE THREE RJEDBW 10

ALONG THE LINE KALAMAZOO-BATTLE CREEK-DETROIT.

PAGE TWO RJEDBW 10

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PAGE THREE RJEDBW 10

ALONG THE LINE KALAMAZOO-BATTLE CREEK-DETROIT.

PAGE THREE RJEDBW 10

ALONG THE LINE KALAMAZOO-BATTLE CREEK-DETROIT.

4. NO NOTAMS WERE RECEIVED AT DETROIT ADS CONCERNING A BALLOON LAUNCH. 5. TELEPHONE CHECKS

WITH GENERAL MILLS, MINNEAPOLIS; U.S. WEATHER

BEUREAU, GREEN BAY; RAVEN INDUSTRIES, SIOUX FALLS;

C. T. SCHJELDAHL CO, NORTHFIELD, MINN; UNIVERSITY

OF MINNESOTA PHYSICS DEPARTMENT, MINNEAPOLIS;

AND FERMI INSTITUTE OF UNIVERSITY OF CHICAGO ALL

PROVED NEGATIVE AS REGARDS THEIR LAUNCHING

OF BALLOONS WHICH COULD HAV BEEN THE OBJECT

REPORTED SIGHTED IN MICHIGAN. 6. SUNRISE IN LOCAL

AREA WAS AT 231239Z. 7. COMPLETE WEATHER AND WIND

DATA WILL BE SUBMITTED IN FOLLOW-UP MESSAGE.

8. OBJECT SIGHTED APPEARS TO HAVE BEEN AN

INSTRUMENTED BALLOON OF AS YET UNKNOWN ORIGIN.

BT

23/2132Z NOV RJEDBW

RNNH

RECEIVED

NOV 1 22 27

→ 17 4E2F
3 4X2A

REC'D
[Signature]
61

RA153

MMCZCSQE4712CBWA737

RR RJEDSQ

DE RJEDBW 12

R 012000Z ZEX

FM DETROIT ADS CUSTER AFS MICH

TO RJWFAL/ADC ENT AFB COLO

RJEDAH/33 AIR DIV SAGE TRUAX FLD WISC

RJEDSQ/AEROSPACE TECHNICAL INTELLIGENCE CTR WRIGHT PATTERSON AFB OHIO

RJEZHQ/HQ USAF AFCIN WASH 25 P C

RJEDEFJ/1 FTR WG SELFRIDGE AFB MICH

AF GRNC

BT

UNCLASS DEOIN 3425. REF OUR MSG DEOIN 3375 DTD 23 NOV 60. THE FOLLOWING IS THE WEATHER FOR THE BATTLE CREEK AREA ON 23 NOV 60. AT 1100Z ON 23 NOV BTL WAS CLEAR 15 PLUS MILES VISIBILITY, SURFACE WIND NW AT SIX KNOTS. AT 1200Z BTL WAS CLEAR 15 PLUS MILES VISIBILITY, SURFACE WIND NW AT EIGHT KNOTS. WINDS ALOFT: 6000 FT-310/25; 10,000 FT-290/35; 16,000 FT-270/55; 20,000 FT-270/70; 30,000 FT-260/85; 50,000 FT-250/85; 80,000 FT-330/10. TEMPERATURE GRADIENT SHOWS: 1. INVERSION FROM SFC TO 3200 FT, TEMP ROSE 3 DEGREES C IN THIS INTERVAL. 2. A NORMAL LAPSE RATE FROM 3200 FT TO 12,000 FT, TEMP FELL 17 1/2 DEGREES C IN THIS INTERVAL. 3. INVERSION FROM 12,000 FT TO 13,500 FT, TEMP ROSE 3 DEGREES C IN THIS INTERVAL. 4. ALL ABOVE 13,500 FT IS NORMAL.

BT

172057Z NOV RJEDBW

UNCLASSIFIED
CLASSIFICATION

COUNTRY OF ACTIVITY REPORTING United States of America		REPORT NO. IR-34-60	(Leave blank)
AIR INTELLIGENCE INFORMATION REPORT			
COUNTRY OF AREA REPORT CONCERNS Scott AFB and Centralia, Illinois		DATE OF INFORMATION 23 Nov 1960	
ACTIVITY SUBMITTING REPORT 1405th ABW (MATS) Scott AFB, Ill		DATE OF COLLECTION 23 Nov 1960	SRI STATUS (If applicable) SRI NO. _____ CANCELED/INCOMPLETE
PREPARING INDIVIDUAL William Y. McPherson		DATE OF REPORT 23 Nov 1960	SRI NO. _____ CANCELED/INCOMPLETE
NAME OR DESCRIPTION OF SOURCE [REDACTED] and A/2C G. R. Hamilton		EVALUATION	SRI NO. _____ ACTIVE ADDITIONAL INFORMATION ON (Date)
REFERENCES (AIR Subject, previous reports, etc., as applicable) None			
SUBJECT (Descriptive title. Use individual reports for separate subjects) (U) Unidentified Flying Object Report			
SUMMARY (Give summary which highlights the salient factors of narrative report. Begin narrative text on AF Form 112 unless report can be fully stated on AF Form 112. List inclosures, including number of copies) A report of an unidentified flying object was provided the Base Clearance Officer by [REDACTED], a civilian fireman at Scott AFB, and A/2C G. R. Hamilton, 11th AMTS, the morning of 23 November 1960. Another civilian employee, Mr. [REDACTED], Centralia, Illinois, provided a similar report to the Base Operations Officer when he reported for duty at the USAF Hospital, Scott AFB. All parties reported a bright object due East of Scott AFB, which appeared to hover for some time and then disappeared in a northeasterly direction. This object was also to the East of Centralia, Illinois, as reported by Mr. [REDACTED]. The St. Louis Air Route Traffic Control Section indicated there were no IFR flights in the area of the sightings at the time specified. The 798th AG&W Squadron, which has a 200 mile radar capability, reported no aircraft in the area of the sightings at the time specified. A St. Louis broadcast station indicated in a news summary that a scientific balloon was released in South Dakota early the morning of 23 November 1960. The U.S. Weather Bureau, St. Louis, Missouri had no knowledge of the balloon. Many other persons have been quoted by the press and radio in the St. Louis area as having seen a fiery object fall East of St. Louis, Missouri. This is considered to be a coincidence, however, as the objects described herein were a brilliant white, and were stationary during part of the sighting. The fiery object was a meteorite, according to radio reports. This headquarters is unable to determine the nature of the object, and is forwarding this information IAW paragraph 13b, AFR 200-2.			
APPROVED:  ROBERT L. DEBORD Lt Colonel, USAF Operations Officer			
DISTRIBUTION BY ORIGINATOR (Except USAF and file. Indicate dupl #/os and copies w/o inclosures, if applicable)			
MARKING: This document contains information affecting the national defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C., Section 793 and 794. Its transmission or the revelation of its contents in any manner to an unauthorized person is prohibited by law.			

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CLASSIFICATION

U.S. GOVERNMENT PRINTING OFFICE: 1960 - 715475

7. The now famous Mid-west sightings of November 23, 1960.

The midwest sightings of November 23, 1960, were concluded to be Thor II during its initial launching phase from Cape Canaveral, Florida. The programming of this satellite was relatively flat trajectory at altitude on a Northeast azimuth. This launching was easily visible in the midwest and pilots reported seeing it from further west.

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(when filled in)

SUPPLEMENT TO AF FORM 112

ORIGINATING AGENCY

1405th ABW (MATS)
Scott AFB, Ill

REPORT NO.

IR-34-60

PAGE

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OF

5

PAGES

a. Description of the Object:

- (1) Shape. Mr. [REDACTED] and A/2C Hamilton --- Star
Mr. [REDACTED] --- Reverse J (6)
- (2) Size. Star
- (3) Color. Bright white light. Brighter than any star.
- (4) Number. Mr. [REDACTED] and A/2C Hamilton --- Two
Mr. [REDACTED] --- one
- (5) Formation. Separated
- (6) Any discernible features or details.

Mr. [REDACTED] and A/2C Hamilton stated there was a beam of light aimed downward and to the South.

- (7) Tail, trail or exhaust.
None.
- (8) Sound.
None.
- (9) Other pertinent or unusual features.
None.

b. Description of Course of Objects:

- (1) What first called the attention of observer(s) to the object(s)?
Brilliance of object.
- (2) Angle or elevation and azimuth of the object(s) when first observed.
Mr. [REDACTED] and A/2C Hamilton --- Elevation 30° , Azimuth 90°
Mr. [REDACTED] --- Elevation 45° , Azimuth 90°
- (3) Angle or elevation and azimuth of object(s) upon disappearance.
Mr. [REDACTED] and A/2C Hamilton --- Elevation 30° , Azimuth 45°
Mr. [REDACTED] --- Elevation 45° , Azimuth 45°
- (4) Description of flight path and maneuvers of object(s).
Hovered for few minutes, then moved rapidly towards NE and disappeared.

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FEB 58

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WHICH MAY BE USED
PREVIOUS EDITIONS OF THIS
FORM MAY BE USED.

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U. S. GOVERNMENT PRINTING OFFICE: 1958 O 10 15219

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SUPPLEMENT TO AF FORM 112

ORIGINATING AGENCY 1405th ABW (MATS) Scott AFB, Ill	REPORT NO. IR-34-60	PAGE 3 OF 5 PAGES
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(5) How did the object(s) disappear?

Instantaneously to the Northeast.

(6) How long was the object(s) visible. (Be specific, 5 minutes, 1 hour, etc)

Approximately five (5) minutes.

c. Manner of Observation:

(1) Use one or any combination of the following items:
Ground-visual, ground-electronic, air electronic. (If electronic, specify type of radar).

Ground-visual.

(2) Statement as to optical aids (telescopes, binoculars, and so forth) used and description thereof.

No optical aids.

(3) If the sighting is made while airborne, give type of aircraft, identification number, altitude, heading, speed and home station.

N/A

d. Time and Date of Sighting:

(1) Zulu time -- date group of sighting.

Mr. [redacted] and A/2C Hamilton -- 231130 Z
Mr. [redacted] -- 231115 Z

(2) Light conditions -- (Night, day, dawn, dusk).

Night.

e. Location of Observer(s). Exact latitude and longitude of each observer, and/or geographical position. A position with reference to a known landmark also should be given, such as "2 mi N of Deeville," "3 mi SW of Blue Lake". Typographical errors or "Garbling" often result in electrically transmitted messages, making location plots difficult or impossible.

Mr. [redacted] and A/2C Hamilton -- Flight Line at Scott AFB.
Mr. [redacted] -- Centralia, Illinois, approximately 45 miles East of Scott AFB.

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f. Identifying Information on Observer(s):

(1) Civilian - Name, age, mailing address, occupation.

Mr. [REDACTED]
[REDACTED] Box 62,
O'Fallon, Illinois
Civilian Fireman, Scott AFB

Mr. [REDACTED]
[REDACTED]
Centralia, Illinois
Janitor, USAF Hospital

(2) Military - Name, grade, organization, duty, and estimate of reliability.

A/2C G. R. Hamilton
11th Aeromedical Transport Sq
Scott AFB, Illinois
Aircraft Mechanic
Considered very reliable.

g. Weather and Winds - Aloft Conditions at Time & Place of Sightings:

(1) Observer(s) account of weather conditions.

Clear, but still dark

(2) Report from AWS, Scott AFB.

231100 Z

Surface	-- 360/6
6,000	-- 020/20
10,000	-- 270/25
15,000	-- 275/45
20,000	-- 270/55
30,000	-- 260/75
50,000	-- 265/60
80,000	-- 040/15

(3) Ceiling

231100 Z -- None.

(4) Visibility

231100 Z -- 10 miles.

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Scott AFB, Ill

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(5) Amount of cloud cover

None.

(6) Thunderstorms

None.

(7) Temperature gradient

Normal on surface
Weak inversion to 10,000 ft
Standard aloft

h. Other Unusual Activity - None.

i. Interception Action - None.

j. Air Traffic - None.

k. Position Title and Comments of Preparing Officer.

If it can be determined that a scientific balloon was released in South Dakota early the morning of 23 November 1960, it is quite possible that the "jet stream" and wind direction shown above could have carried the balloon to the area of sighting, at the times reported. Change in altitude could account for the apparent change in direction and disappearance. Also, from previous knowledge of similar incidents, aerial photo flares can be seen for hundreds of miles. Inasmuch as Wright-Patterson AFB is northeast of Scott AFB, it is feasible that an ARDC test was being undertaken involving a photo flare.

l. Physical Evidence - None.

William Y. McPherson

WILLIAM Y. MCPHERSON

Civilian

Plans & Programs Officer

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AF FORM 112a

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CLASSIFICATION

U. S. GOVERNMENT PRINTING OFFICE: 1960 O-124248

UNCLASSIFIED

JOINT MESSAGEFORM

SECRET

SPACE BELOW DESIGNATED FOR DONOR'S USE ONLY

12/01/60

130 DEC 5 21 49

PRECEDENCE ACTION ROUTINE	TYPE MSG (REF ID) MODE MULTI SINGLE	ACCOMMODATING SYMBOL AP	ORIG OR REFERS TO MTCRPO-23-11-13E	CLASSIFICATION OF REFERENCE SECRET
------------------------------	--	----------------------------	---------------------------------------	---------------------------------------

ATTN: W-P AFB

TO: PATRICK AFB, FLA *Wesley*

UNCLASSIFIED
~~SECRET~~ AFG IN-1E2x 12-3463-E

YOUR CLASSIFIED MSG MTCRPO-23-11-13E, DTD 23 NOV 60, REF TEST 3804,
WHAT WAS THE BURNING TIME OF EACH STAGE? AT WHAT ALTITUDE AND
TIME DID EACH STAGE BURN OUT?

Classification Cancelled

Philip G. Evans
AFR 2054, Para 2.7.2
3 Jan 61

DATE 2	TIME 1300
MONTH DEC	YEAR 1960

SYMBOL AFG IN-1E2x	RELATIONSHIP	SIGNATURE <i>Philip G. Evans</i>
NAME AND TITLE (If required) Major Robert J. Friend		TYPED (If required) NAME AND TITLE PHILIP G. EVANS Colonel, USAF Deputy for Science and Components
PHONE 69215	PAGE 1	NO. OF PAGES 1

[REDACTED]
RECEIVE

SQB501

060 U,
DEC 6 23 30

ADC 896FQBS50FQK&87

RR RJEDSQ

DE RJEXFQT 320

R 062115Z

FM AFMTC PATRICK AFB FLA

TO AFTIC WPAFB OHIO

BT

[REDACTED] FROM MTGTPO-06-12-07E. REF URMSG AFCIN-4E2X

12-346-E U. TEST 3804 LAUNCH OF DELTA III-TIROS II-THOR 245

THE BURNING TIMES ARE AS FOLLOWS:

MAIN ENGINE CUTOFF 157.4 SEC ALTITUDE 62.6 NM; SECOND STAGE

IGNITION 161.4 SEC ALTITUDE 65.6 NM; SECOND STAGE ENGINE

CUTOFF 273.2 SEC ALTITUDE 182.3 NM; THIRD STAGE IGNITION 720.5

ALTITUDE 381.8 NM (NOMINAL); THIRD ENGINE CUTOFF 756.5 SEC

ALTITUDE 380 NM (NOMINAL).

BT

06/2210ZDEC RJEXFQT
[REDACTED]

17 YE2X
2-3
4 FX2A

Classification Cancelled

[Handwritten signature]
[Handwritten signature]
AFR 2051, Para 2-17
301
Jan 68

NN

[REDACTED]

AFCEX-482x

UFO Sighting (Mr. ██████████)

SAFOI-3d (L/Col Tacker)

1. Reference attached copy of a letter to the Aerospace Technical Intelligence Center from Mr. ██████████, dated 8 December 1960. Mr. ██████████ is the Aviation Writer for a Painesville, Ohio newspaper called "██████████".
2. Specific information concerning the launching of Tiroc II; such as ignition times, burning times of the various stages, and altitudes of burn out are legitimate classified information.
3. Mr. ██████████ should be advised that during its initial flight path Tiroc II did not pass over Ohio. The initial heading was generally northeast from Cape Canaveral and the flight path would have been generally parallel to the east coast of the United States and averaged approximately 200 miles at sea. The classified data of the firing does reveal the fact that it was high enough to be seen from locations as far west as Chicago. At the general time of the sightings, 0625 EST, Tiroc II was in horizontal flight and the third stage was in operation. The general descriptions by the witnesses also matches those given by missile men from experiences with other launchings.
4. Only one balloon launching, other than regular weather balloons, could be determined for 23 November 1960. This balloon was launched by Raven Industries from Sioux Falls, South Dakota at 0950Z on 23 November 1960. This balloon was of the Skyhook type, reached a diameter of 159 feet and flew at an altitude of 115,000 feet. The flight path of this balloon was generally east from Sioux Falls to Lone Rock, Wisconsin where it turned generally northeast to Oshkosh, Wisconsin, where it resumed its eastward flight path to Marquette, Michigan, at which point it was brought down. The flight was terminated at 2113Z on 23 November 1960.
5. There was a general temperature inversion over Michigan on the morning of 23 November 1960. It is possible that the atmospheric optics associated with this phenomenon, coupled with the excitement generated by the early morning viewings of Tiroc II, could be responsible for the large number of reports subsequent to the Tiroc II event.

6. It is the AFIC opinion that the sightings which occurred at approximately 0025 EST were due to the viewing of the launching of Tiroc II. In the absence of sufficient data, the subsequent sighting cannot be tied to a specific incident or event and, therefore, must remain unidentified.

7. Mr. [REDACTED] address is:

Mr. [REDACTED]
[REDACTED]
Painesville, Ohio

FOR THE COMMANDER:

Leo J. Antoszyk USAF
[REDACTED] G. SWASS
Colonel, USAF
Deputy for Science and Components

- 2 Atch:
1. Cy ltr 3 Dec 60
sgnd [REDACTED]
2. Newspaper clipping

COORDINATION:

AFCIN-442x *Robert J. [REDACTED]* Date *16 Dec 60*

AFCIN-442 *H. S. [REDACTED]* Date *12/19/60*

UPI 456

HA

1ST LEAD UFO COLORADO SPRINGS (AP)

CHICAGO, NOV 23 (UPI)--AN UNIDENTIFIED FLYING OBJECT SOARED OVER THE MIDWEST BEFORE DAWN TODAY AND WAS SEEN BY AIRPORT CONTROL TOWERS AND OTHER OBSERVERS FROM OHIO TO WISCONSIN.

THE OBJECT WAS DESCRIBED AS A BRIGHT LIGHT TRAVELLING FROM WEST TO EAST.

AT COLORADO SPRINGS, COLO., THE COMBAT OPERATIONS CENTER AT NORTH AMERICAN AIR DEFENSE COMMAND (COMBAT HEADQUARTERS) SAID IT RECEIVED A REPORT OF THE OBJECT FROM THE 37TH AIR DIVISION AT WADSWORTH, WYO. A SPOKESMAN SAID THE REPORT CAME FROM TRUAX FIELD NEAR THE OBJECT OF UNCERTAIN SIZE, BALL SHAPE AND WHITE TO BRILLIANT-WHITE COLOR WITH A LONG WHITE TAIL. IT MADE NO NOTICEABLE SOUND.

NO ONE WAS ABLE TO TRACK IT BY RADAR.

MILWAUKEE METROPOLITAN AIRPORT SAID IT BELIEVED THE LIGHT MIGHT HAVE BEEN CAUSED BY A HIGH FLYING JET PLANE RELEASING A CHAFF SHOWER IN A TEST OF RADAR JAMMING EQUIPMENT.

MIDWAY AIRPORT IN CHICAGO SAID THIS WAS A POSSIBLE EXPLANATION BUT ADDED, "WE'VE NEVER SEEN ANYTHING LIKE IT BEFORE AND DON'T KNOW WHAT IT WAS."

MICHIGAN STATE POLICE HEADQUARTERS AT EAST LANSING, MICH., SPECULATE THE LIGHT MIGHT HAVE BEEN A REFLECTION OF THE SUN ON A SCIENTIFIC BALLOON LAUNCHED EARLY TODAY FROM SIOUX FALLS, S. D., IN CONNECTION WITH A TIROS SATELLITE LAUNCHING AT CAPE CANAVERAL, FLA.

HOWEVER, THE BALLOON WAS REPORTED THREE HOURS AFTER THE SIGHTING AT 114,000 FEET ABOUT 15 MILES NORTHEAST OF KANSAS CITY, MO., WHICH RULED IT OUT AS THE OBJECT REPORTED. THE OBJECT SIGHTED NEAR THE GREAT LAKES WAS SEEN ABOUT 5:15 A.M. CST. THE BALLOON WAS LAUNCHED AT 3:50 A.M.

THE UNIDENTIFIED OBJECT WAS SIGHTED IN ILLINOIS, INDIANA, OHIO AND MICHIGAN.

THE FEDERAL AVIATION ADMINISTRATION CONTROL CENTER AT CHICAGO SAID IT SAW SOME INTERESTING BRIGHT LIGHTS HIGH IN THE SKY "THAT DIDN'T LOOK LIKE A METEOR FROM THOSE WE'VE SEEN BEFORE."

THE CONTROL CENTER AT CHICAGO'S O'HARE INTERNATIONAL AIRPORT WAS EQUALLY MYSTIFIED. "EVERYBODY HAS BEEN GETTING REPORTS ON IT, BUT WE DON'T KNOW WHAT IT WAS," THE TOWER SAID.

"IT WAS SOME SORT OF OBJECT WITH A LONG TAIL BEHIND IT, TRAVELING WEST TO EAST AND VISIBLE FOR ABOUT 15 MINUTES. I'VE NEVER SEEN ANYTHING LIKE IT BEFORE," A TECHNICIAN AT O'HARE SAID.

"I'VE SEEN SOME COMETS AND IT DIDN'T LOOK LIKE ONE TO ME. IT'S BEEN REPORTED ALL OVER--DOWN SOUTH OF HERE AND BY THE EAST."

ANNOUNCERS AND ENGINEERS AT RAVENS STATION CITY AT LAQUILLE, ILL., ALSO SAID THEY SAW A "BRIGHT LIGHT TRAVELING STRAIGHT EAST" AS REPORTED AVIATION OFFICIALS IN INDIANAPOLIS AND LAFAYETTE, IND., ALSO HAD SIGHTED THE OBJECT.

OTHER CITIES SIGHTING THE OBJECT INCLUDED MALDEN, GRAND RAPIDS, PORT HURON AND SAGINAW, MICH., AND DAYTON, LIMA, TOLEDO AND CLEVELAND, OHIO.

THE AIR TRAFFIC CONTROL CENTER AT THE ALBANY AIRPORT SAID THE OBJECT LOOKED "LIKE A BRIGHT STAR WITH A TAIL."

INCLUDES PREVIOUS.

TP 52 ACS TFM

Describe Object!

2 Area Men Report UFO

"I never saw anything like it before!"

Earl Reid Jr., of Montville, one of three men from the Diamond Alkali Co. who saw an unidentified flying object early this morning, added that it was "as bright as the moon, shaped like a comet and moving at a good rate of speed."

The object was spotted as he drove up Rt. 86 along Moody Hollow Hill at 6:30 a.m. "It was between two clouds, just as it was beginning to get light. It was bigger than the crescent moon.

"I watched it for about 10 seconds," Mr. Reid went on. "When I got to the stop light I looked again, but it was

gone."

"The thing had a round head, like a comet, and a tail that was pointed down."

He explained that he didn't think too much about it until he got to work. Then, several fellow employes, including his foreman, Donald Kulbaugh, remarked about it, he said.

Mr. Kulbaugh, 46 Lakeview Dr., Painesville Township Park, said he saw it twice. "The first time was when I stepped out the door and started for the car, about 6:20 a.m. It was curved, like it was making a turn. When I looked again, the tail was straight. Altogether I saw it for about a minute."

AF IN : 402 (23 NOV 60) DEPARTMENT OF THE AIR FORCE
ACTION : CIN-1+ STAFF MESSAGE DIVISION
INFO : OOP-3, SABS-3 UNCLASSIFIED MESSAGE
INCOMING (21)

Handwritten signature

01

NNNN

SMD A196

CZCHQD886ZCYJF457

PP RJEZHQ

DE RJEDAH 34

P 231845Z ZEX

FM CADS TRUAX FLD WIS

TO RJWFAL/ADC ENT AFB COLO

RJEDSO/ATIC WPAFB OHIO

RJEZHQ/HQ USAF WASHDC

RJEZHQ/SABS WASHDC

BT

UNCLAS/CHOIN 11-3. FOR INTELLIGENCE. SABS ATTN INFO SVCS. IMMEDIATE ACTION REQUIRED. UFO. REFERENCE AFR 200-2, PAR 15.

A. (1) VARIED BETWEEN BALL AND SHAPLESS.

(2) UNKNOWN

(3) REDDISH WHITE

(4) ONE

(5) NONE

(6) NONE

(7) LONG WHITE TRAIL.

(8) NONE

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE DIVISION
UNCLASSIFIED MESSAGE

I N C O M I N G

AF IN : 402 (23 Nov 60)

Page 2 of 3

PAGE TWO RJEDAH 34

- (9) VERY BRIGHT
- B. (1) AIRLINE AND CONTROL TOWER REPORTS
- (2) APPROX 15000 FT SOUTHEAST CHICAGO
- (3) NORTHEAST INTO LAKE MICHIGAN
- (4) SWUNG SOUTHWEST, THEN SOUTH
- (5) FROM SOUTH TO NORTHEAST, THEN NORTH INTO LAKE MICHIGAN
- (6) FOUR TO FIVE MINUTES
- C. (1) VISUAL
- (2) BINOCULARS
- (3) NUMEROUS PILOT REPORTS TO ARTC (CHICAGO)
- D. (1) 1124Z 23 NOV 60
- (2) NIGHT
- E. (1) CHICAGO ARTC
- (2) CHICAGO, ILLINOIS
- F. (1) MR. [REDACTED] AGE: 49, [REDACTED] BERWYN, ILLINOIS
WATCH SUPERVISOR, CHICAGO ARTC. CONSIDERED VERY RELIABLE.
- G. (1) CLEAR
- (2) A. NW/8; B. 290/15; C. 260/25; D. 250/40; E. 250/60;
F. 250/105; G. 250/65; H. 60,000 FT: 250/45.
- (3) NONE

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE DIVISION
UNCLASSIFIED MESSAGE

INCOMING

AF IN : 402 (23 Nov 60)

Page 3 of 3

PAGE THREE RJEDAH 34

(4) 15 PLUS

(5) NONE

(6) NONE

H. NONE

I. NONE - INSUFFICIENT TIME

J. NONE

K. MAJOR BILLY D WELCH, SR DIRECTOR, CHICAGO ADS

(2) REPORTS FROM SEVERAL SOURCES WERE CONSISTANT AS TO COLOR
OF OBJECT.

(3) UNKNOWN

L. NONE

N. NONE

REMARKS: O'HARE AND MIDWAY AIRPORTS TOWER OPERATORS AND SEVERAL
PERSONS IN CHICAGO ARTC WITNESSED THE OBJECT. CHICAGO ARTC ALSO
RECEIVED REPORTS FROM SEVERAL AIRCRAFT AND FROM PEORIA AND SPRING-
FIELD, ILLINOIS TOWERS. A CHECK WITH UNIV OF WISC METEOROLOGICAL
OBSERVATORY REVEALED NO METEORS OR OTHER OBJECTS THAT COINCIDED WITH
THE DISCRIPTION GIVEN. BUNKER HILL AFB, PERU, INDIANA, ALSO REPORTED
THIS OBJECT.

BT

25/1846Z NOV RJEDAH

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE DIVISION
UNCLASSIFIED MESSAGE

Approved
OT

AP IN : 368 (23 Nov 60) **INCOMING**
ACTION : CIN-14
INFO : GOP-3, SAPS-3 (21)

SMD A192

CZCHOC132ZCYJD125

PP RJEZHQ

DE RJEDHW 10

P 232130Z

FM DETROIT ADS CUSTER AFS MICH

TO RJWFAL/ADC ENT AFB COLO

RJEDAH/30 AIR DIV SAGE TRUAX FLD WISC

RJEDSO/AEROSPACE TECHNICAL INTELLIGENCE CTR WRIGHT PATTERSON AFB
OHIO

RJEZHQ/HQ USAF AFCIN WASHINGTON 25 D C

RJEZHQ/SECRETARY OF THE AIR FORCE SAFIS WASH 25 DC

RJEDFJ/1 FIR WG SELFRIDGE AFB MICH

BT

UNCLASS DEOIN 3376.

SUBJ: UFO, BECAUSE OF PAUCITY OF DETAIL ON SIGNI-
FICANT POINTS, FORMAT IN PARAGRAPH 15, AFR 200-2,
IS NOT USED IN THIS REPORT. NUMEROUS REPORTS OF
UNIDENTIFIED FLYING OBJECT ACROSS LOWER PORTION
OF MICHIGAN RECEIVED AT THIS HEADQUARTERS UP TO
231430Z NOV 60. REPORTED OBSERVATIONS ALL
OCCURRED BETWEEN 231120Z AND 231400Z. FIRST
REPORTED SIGHTING WAS BY MR [REDACTED] TELEPHONE
[REDACTED], OF RADIO STATION "[REDACTED]", KALAMAZOO

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE DIVISION
UNCLASSIFIED MESSAGE

I N C O M I N G

AF IN : 368 (23 Nov 60)

Page 2 of 3

PAGE TWO RJEDBW 10

HE REPORTED TWO BRIGHT LIGHTS OBSERVED EAST OF KALAMAZOO AT 1120ZM NO FURTHER DATA. NEXT REPORTED SIGHTINGS WERE VICINITY OF BATTLE CREEK BETWEEN 1130Z AND 1200Z. MOST REPORTS DESCRIBED A BRILLIANT, SHINY OBJECT, FLOATING TOWARD THE EAST-NORTHEAST OF BATTLE CREEK. SEVERAL REPORTS WERE DESCRIBED A FAN-SHAPED "TAIL" APPARENTLY HANGING FROM THE OBJECT. "TAIL" APPEARED TO OSCILLATE IN FLIGHT. NO FURTHER DATA. LAST REPORTED SIGHTINGS (MANY IN NUMBER) OCCURRED VICINITY OF DETROIT AND SELFRIDGE AFB APPROXIMATELY 1330Z TO 1400Z. OBJECT APPEARED TO RESEMBLE BALLOON ON NORTHEAST HEADING. NO FURTHER DATA.

COMMENTS OF PREPARING OFFICER: 1. NO UFO WAS TRACKED BY DETROIT AIR DEFENSE SECTOR FACILITIES DURING STATED TIME PERIODS. 2. A GENERAL TEMPERATURE INVERSION COVERED THE SECTOR AREA DURING THE MORNING. 3. WIND PATTERNS WERE SUCH THAT A BALLOON LAUNCHED IN AREA TO THE WEST AND NORTHWEST OF DETROIT SECTOR WOULD TRANSIT THE SECTOR

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE DIVISION
UNCLASSIFIED MESSAGE

I N C O M I N G

AF IN : 353 (23 Nov 60)

Page 3 of 3

PAGE THREE RJEDBW 10

ALONG THE LINE KALAMAZOO-BATTLE CREEK-DETROIT.

4. NO NOTAMS WERE RECEIVED AT DETROIT ADS CONCERNING A BALLOON LAUNCH. 5. TELEPHONE CHECKS

WITH GENERAL MILLS, MINNEAPOLIS; U.S. WEATHER

BBUREAU, GREEN BAY; RAVEN INDUSTRIES, SIOUX FALLS;

G. T. SCHJELDAHL CO, NORTHFIELD, MINN; UNIVERSITY

OF MINNESOTA PHYSICS DEPARTMENT, MINNEAPLLIS;

AND FERMI INSTITUTE OF UNIVERSITY OF CHICAGO ALL

PROVED NEGATIVE AS REGARDS THEIR LAUNCHING

OF BALLOONS WHICH COULD HAE BEEN THE OBJECT

REPORTED SIGHTED IN MICHIGAN. 6. SUNRISE IN LOCAL

AREA WAS AT 231239Z. 7. COMPLETE WEATHER AND WIND

DATA WILL BE SUBMITTED IN FOLLOW-UP MESSAGE.

8. OBJECT SIGHTED APPEARS TO HAVE BEEN AN

INSTRUMENTED BALLOON OF AS YET UNKNOWN ORIGIN.

BT

23/2152Z NOV RJEDBW

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE DIVISION
UNCLASSIFIED MESSAGE

N

AF INP : 615 (24 Nov 60)

INCOMING
K/cem

ACTION : CIN-14

INFO : SAFS-3, OOP-3 (21)

SMD A021

ZCHQB145ZCDGA2-1

PP RJEZHQ

DE RJEZDG 47

P 232130Z ZEX

FM 551AEWCONWG OTIS AFB MASS

TO RJWFAL/ADC ENT AFB COLO

RJEZSN/26ADIV SAGE HANCOCK FLD SYRACUSE NY

RJEDSQ/ATIC WRIGHT PATTERSON AFB DAYTON OHIP

RJEZHQ/HQ USAF AFCIN WASH DC

RJEZHQ/SECRETARY AF Satis WASH DC

INFO RJEDAH/30TH ADIV TRUAX FLD WISC

BT

UNCLAS FROM 551 OIN 6058.

ACTION ADC, 26TH ADIV (SAGE), ATIC, ASST CHIEF OF STAFF HQ USAF,
AND OIS HQ USAF. UFO REPORT. PER PARA 15, AFR 200-2, UFO
SIGHTING REPORTED AS FOLLOWS: A. OBJECT DESCRIPTION (1) BRIGHT
LIGHT(S), WITH CONE OR TRIANGULAR TRAIL OF WAKE SEPARATED BY A
SPACE. (2) SIZE ESTIMATED BETWEEN HEAD OF PENCIL AND BASKET-
BALL FOR LIGHT, WITH TRAIL TEN TO FIFTEEN LONGER. (3) LIGHT
WHITE, TRAIL BLuish WHITE (4) TWO SIMILAR OBJECTS (5) MAN-
UEVERED OR MOVED IN ROUGHLY PARALLEL PATHS (6) NONE (7) SEE
(1) ONE AND (2) TWO ABOVE (8) NO SOUND INVOLVED IN SIGHTING

Handwritten signature and initials

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE DIVISION
UNCLASSIFIED MESSAGE

I N C O M I N G

AF IN : 615 (24 Nov 60)

Page 2 of 3

PAGE TWO RJEZDG 47

(9) LIGHTS MOVED AT TREMENDOUS SPEEDS B. COURSE DESCRIPTION:

(1) OBSERVED ALONG FLIGHT PATH OF OBSERVING AIRCRAFT (2) FIRST OBJECT SIGHTED AT 2 O'CLOCK HIGH, APPEARED TO BE APPROACHING ON NORTHWEST HEADING, MOVED UP AND NORTHWARD WITHIN AN ESTIMATED 20 DEGREES OF ARC OF SKY, CONSTANTLY VISIBLE UNTIL DISAPPEARANCE.

SECOND OBJECT APPEARED SHORTLY AFTER FIRST, MOVED IN ROUGHLY PARALLEL COURSE, OBSERVED INTERMITTENTLY, CLIMBED ACROSS PATH OF FIRST OBJECT TO HIGHER POSITION, BOTH DISAPPEARING TOGETHER. (3) DISAPPEARED AT POINT BETWEEN ZERO AND FIVE DEGREES ABOVE FLIGHT LEVEL.

(4) APPEARED ABOUT FIVE DEGREES APART (SEE (2) ABOVE). (5) VANISHED (6) OBSERVED OVER PERIOD OF EIGHT MINUTES C. MANNER

OBSERVATION: (1) AIR-VISUAL, NO CONTACT ON APS 42 OPERATING AT TIME (2) NO OPTICAL AIDS (3) OBSERVED FROM COCKPIT OF RC121 AIRCRAFT NUMBER 52341B AT 15000 FT, COMPASS HEADING 091 DEGREES, SPEED 220 KNOTS-TAS, HOME STATION AND DESTINATION OTIS AFB, MASS.

D. TIME/DATE: (1) 231115Z (2) DAWN WITH ENOUGH LIGHT TO SEE BUILDINGS ON GROUND, NO MOON. E. LOCATION: AIRCRAFT DIRECTLY OVER CHICAGO HEIGHTS VOR RADIO 41 DEGREES 31 MINUTES NORTH, 87 DEGREES 34 MINUTES WEST. F. OBSERVERS: (1) CAPTAIN ROBERT L. ELDRED, 960TH AEW&CON SQ, AIRCRAFT COMMANDER, RELIABLE, FIRST UFO,

AEROSPACE TECHNICAL INTELLIGENCE CENTER
UNITED STATES AIR FORCE
WRIGHT-PATTERSON AIR FORCE BASE
OHIO

REPLY TO
ATTN OF:

AFCIN-4X2

SUBJECT:

Extract from Duty Officers' Report

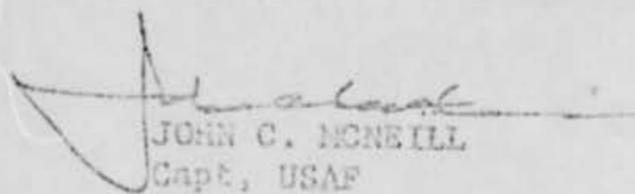
23 Nov 60

to: AFCIN-4E2, Maj Friend

The following, extracted from 1/Lt Swortzel's Report dated 22 Nov 1960, is quoted for your information:

0630 hours, received calls on UFO. Told following people that further contact would be made with them:

Mr. [REDACTED] Control Twr, Vandalia Arpt.
Mr. [REDACTED] - WING Telephone BA 2-9882
Mr. [REDACTED] - WIBC TV, Muncie, Ind.


JOHN C. MCNEILL
Capt, USAF
AFCIN-4X2

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE DIVISION
UNCLASSIFIED MESSAGE

I N C O M I N G

AF IN : 615 (24 Nov 60)

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PAGE THREE RJEZDG 47

2 YEARS ALASKA EXPERIENCE WITH AURORA. (2) SSGT KENNETH W. CAIN, 960TH AEW&CON SQ, FLIGHT ENGINEER, RELIABLE. G. WEATHER: (1) WIND AT ALTITUDE ESTIMATED 70 KNOTS FROM 280 DEGREES, FLIGHT ALTITUDE TEMPERATURE -5 DEGREES CENTIGRADE UNCORRECTED, LIGHT CLEAR AIR TURBULENCE BEING EXPERIENCED. (2) NOT AVAILABLE (3) & (4) CAVU (5) NO CLOUDS OBSERVED (6) NEGATIVE (7) NOT AVAILABLE

H. OTHER ACTIVITY: AIRCRAFT WAS IN UHF CONTACT WITH ANOTHER AIRCRAFT OVER WALNUT RIDGE, ARKANSAS, AT 34000 FEET, IDENTIFIED AS PACER 91 WHO ALSO WAS OBSERVING THE LIGHTS ABOVE HIM.

I. NOT APPLICABLE, SIGHTING WAS REPORTED BY OBSERVING AIRCRAFT TO CHICAGO CENTER RADIO WITH WHOM A POSITION REPORT WAS BEING MADE. GROUND RADIO PERSONNEL REMARKED ALSO SIGHTING LIGHT FROM THEIR GROUND POSITION. K. PREPARING OFFICER: CAPTAIN KEITH H. MOREHOUSE, WING INTELLIGENCE OFFICER, 551ST AEW&CON WING.

COMMENT: NO KNOWN ASSOCIATED SIGHTING IN LOCAL AREA NEW ENGLAND.

1. NO PHYSICAL EVIDENCE OR PHOTOS.

BT

23/2200Z NOV RJEZDG

Year	Month	Day	Time	Location	Remarks
1902	Jan	10	10:00
1902	Jan	11	10:00
1902	Jan	12	10:00
1902	Jan	13	10:00
1902	Jan	14	10:00
1902	Jan	15	10:00
1902	Jan	16	10:00
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1902	Jan	20	10:00
1902	Jan	21	10:00
1902	Jan	22	10:00
1902	Jan	23	10:00
1902	Jan	24	10:00
1902	Jan	25	10:00
1902	Jan	26	10:00
1902	Jan	27	10:00
1902	Jan	28	10:00
1902	Jan	29	10:00
1902	Jan	30	10:00
1902	Jan	31	10:00
1902	Feb	1	10:00
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1902	Feb	3	10:00
1902	Feb	4	10:00
1902	Feb	5	10:00
1902	Feb	6	10:00
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1902	Mar	1	10:00
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1902	Mar	31	10:00

11 2 19

Year	Month	Day	Wind	Temp	Bar	Remarks
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100			NW			

SINO-TIBETAN DICTIONARY

Chinese	Pinyin	Tibetan	English
一	yī	ཅི	one
二	èr	གཉི	two
三	sān	གསུམ	three
四	sì	བཞི	four
五	wǔ	ལྔ	five
六	liù	དྲུག	six
七	qī	བདུན	seven
八	bā	བརྒྱུད	eight
九	jiǔ	དགུ	nine
十	shí	བཅུ	ten
十一	shí yī	ཅི་གཉི	eleven
十二	shí èr	གཉི་གསུམ	twelve
十三	shí sān	གསུམ་བཞི	thirteen
十四	shí sì	བཞི་ལྔ	fourteen
十五	shí wǔ	ལྔ་དྲུག	fifteen
十六	shí liù	དྲུག་བདུན	sixteen
十七	shí qī	བདུན་བརྒྱུད	seventeen
十八	shí bā	བརྒྱུད་དགུ	eighteen
十九	shí jiǔ	དགུ་བཅུ	nineteen
二十	shí	བཅུ་གཉི	twenty
二十一	shí yī	གཉི་བཅུ	twenty-one
二十二	shí èr	གཉི་གཉི	twenty-two
二十三	shí sān	གསུམ་གཉི	twenty-three
二十四	shí sì	བཞི་གཉི	twenty-four
二十五	shí wǔ	ལྔ་གཉི	twenty-five
二十六	shí liù	དྲུག་གཉི	twenty-six
二十七	shí qī	བདུན་གཉི	twenty-seven
二十八	shí bā	བརྒྱུད་གཉི	twenty-eight
二十九	shí jiǔ	དགུ་གཉི	twenty-nine
三十	shí	བཅུ་གསུམ	thirty
三十一	sān shí yī	གསུམ་གཉི	thirty-one
三十二	sān shí èr	གསུམ་གཉི	thirty-two
三十三	sān shí sān	གསུམ་གསུམ	thirty-three
三十四	sān shí sì	གསུམ་བཞི	thirty-four
三十五	sān shí wǔ	གསུམ་ལྔ	thirty-five
三十六	sān shí liù	གསུམ་དྲུག	thirty-six
三十七	sān shí qī	གསུམ་བདུན	thirty-seven
三十八	sān shí bā	གསུམ་བརྒྱུད	thirty-eight
三十九	sān shí jiǔ	གསུམ་དགུ	thirty-nine
四十	sì shí	བཅུ་བཅུ	forty
四十一	sì shí yī	བཅུ་གཉི	forty-one
四十二	sì shí èr	བཅུ་གཉི	forty-two
四十三	sì shí sān	བཅུ་གསུམ	forty-three
四十四	sì shí sì	བཅུ་བཞི	forty-four
四十五	sì shí wǔ	བཅུ་ལྔ	forty-five
四十六	sì shí liù	བཅུ་དྲུག	forty-six
四十七	sì shí qī	བཅུ་བདུན	forty-seven
四十八	sì shí bā	བཅུ་བརྒྱུད	forty-eight
四十九	sì shí jiǔ	བཅུ་དགུ	forty-nine
五十	wǔ shí	ལྔ་བཅུ	fifty
五十一	wǔ shí yī	ལྔ་གཉི	fifty-one
五十二	wǔ shí èr	ལྔ་གཉི	fifty-two
五十三	wǔ shí sān	ལྔ་གསུམ	fifty-three
五十四	wǔ shí sì	ལྔ་བཞི	fifty-four
五十五	wǔ shí wǔ	ལྔ་ལྔ	fifty-five
五十六	wǔ shí liù	ལྔ་དྲུག	fifty-six
五十七	wǔ shí qī	ལྔ་བདུན	fifty-seven
五十八	wǔ shí bā	ལྔ་བརྒྱུད	fifty-eight
五十九	wǔ shí jiǔ	ལྔ་དགུ	fifty-nine
六十	liù shí	དྲུག་བཅུ	sixty
六十一	liù shí yī	དྲུག་གཉི	sixty-one
六十二	liù shí èr	དྲུག་གཉི	sixty-two
六十三	liù shí sān	དྲུག་གསུམ	sixty-three
六十四	liù shí sì	དྲུག་བཞི	sixty-four
六十五	liù shí wǔ	དྲུག་ལྔ	sixty-five
六十六	liù shí liù	དྲུག་དྲུག	sixty-six
六十七	liù shí qī	དྲུག་བདུན	sixty-seven
六十八	liù shí bā	དྲུག་བརྒྱུད	sixty-eight
六十九	liù shí jiǔ	དྲུག་དགུ	sixty-nine
七十	qī shí	བདུན་བཅུ	seventy
七十一	qī shí yī	བདུན་གཉི	seventy-one
七十二	qī shí èr	བདུན་གཉི	seventy-two
七十三	qī shí sān	བདུན་གསུམ	seventy-three
七十四	qī shí sì	བདུན་བཞི	seventy-four
七十五	qī shí wǔ	བདུན་ལྔ	seventy-five
七十六	qī shí liù	བདུན་དྲུག	seventy-six
七十七	qī shí qī	བདུན་བདུན	seventy-seven
七十八	qī shí bā	བདུན་བརྒྱུད	seventy-eight
七十九	qī shí jiǔ	བདུན་དགུ	seventy-nine
八十	bā shí	བརྒྱུད་བཅུ	eighty
八十一	bā shí yī	བརྒྱུད་གཉི	eighty-one
八十二	bā shí èr	བརྒྱུད་གཉི	eighty-two
八十三	bā shí sān	བརྒྱུད་གསུམ	eighty-three
八十四	bā shí sì	བརྒྱུད་བཞི	eighty-four
八十五	bā shí wǔ	བརྒྱུད་ལྔ	eighty-five
八十六	bā shí liù	བརྒྱུད་དྲུག	eighty-six
八十七	bā shí qī	བརྒྱུད་བདུན	eighty-seven
八十八	bā shí bā	བརྒྱུད་བརྒྱུད	eighty-eight
八十九	bā shí jiǔ	བརྒྱུད་དགུ	eighty-nine
九十	jiǔ shí	དགུ་བཅུ	ninety
九十一	jiǔ shí yī	དགུ་གཉི	ninety-one
九十二	jiǔ shí èr	དགུ་གཉི	ninety-two
九十三	jiǔ shí sān	དགུ་གསུམ	ninety-three
九十四	jiǔ shí sì	དགུ་བཞི	ninety-four
九十五	jiǔ shí wǔ	དགུ་ལྔ	ninety-five
九十六	jiǔ shí liù	དགུ་དྲུག	ninety-six
九十七	jiǔ shí qī	དགུ་བདུན	ninety-seven
九十八	jiǔ shí bā	དགུ་བརྒྱུད	ninety-eight
九十九	jiǔ shí jiǔ	དགུ་དགུ	ninety-nine
一百	yī bǎi	བཅུ་གསུམ་ལྔ	one hundred
一百零一	yī bǎi líng yī	བཅུ་གསུམ་ལྔ་གཉི	one hundred one
一百零二	yī bǎi líng èr	བཅུ་གསུམ་ལྔ་གཉི	one hundred two
一百零三	yī bǎi líng sān	བཅུ་གསུམ་ལྔ་གསུམ	one hundred three
一百零四	yī bǎi líng sì	བཅུ་གསུམ་ལྔ་བཞི	one hundred four
一百零五	yī bǎi líng wǔ	བཅུ་གསུམ་ལྔ་ལྔ	one hundred five
一百零六	yī bǎi líng liù	བཅུ་གསུམ་ལྔ་དྲུག	one hundred six
一百零七	yī bǎi líng qī	བཅུ་གསུམ་ལྔ་བདུན	one hundred seven
一百零八	yī bǎi líng bā	བཅུ་གསུམ་ལྔ་བརྒྱུད	one hundred eight
一百零九	yī bǎi líng jiǔ	བཅུ་གསུམ་ལྔ་དགུ	one hundred nine
一百一十	yī bǎi yī shí	བཅུ་གསུམ་ལྔ་བཅུ	one hundred ten
一百一十一	yī bǎi yī shí yī	བཅུ་གསུམ་ལྔ་བཅུ་གཉི	one hundred eleven
一百一十二	yī bǎi yī shí èr	བཅུ་གསུམ་ལྔ་བཅུ་གཉི	one hundred twelve
一百一十三	yī bǎi yī shí sān	བཅུ་གསུམ་ལྔ་བཅུ་གསུམ	one hundred thirteen
一百一十四	yī bǎi yī shí sì	བཅུ་གསུམ་ལྔ་བཅུ་བཞི	one hundred fourteen
一百一十五	yī bǎi yī shí wǔ	བཅུ་གསུམ་ལྔ་བཅུ་ལྔ	one hundred fifteen
一百一十六	yī bǎi yī shí liù	བཅུ་གསུམ་ལྔ་བཅུ་དྲུག	one hundred sixteen
一百一十七	yī bǎi yī shí qī	བཅུ་གསུམ་ལྔ་བཅུ་བདུན	one hundred seventeen
一百一十八	yī bǎi yī shí bā	བཅུ་གསུམ་ལྔ་བཅུ་བརྒྱུད	one hundred eighteen
一百一十九	yī bǎi yī shí jiǔ	བཅུ་གསུམ་ལྔ་བཅུ་དགུ	one hundred nineteen
一百二十	yī bǎi èr shí	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ	one hundred twenty
一百二十一	yī bǎi èr shí yī	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་གཉི	one hundred twenty-one
一百二十二	yī bǎi èr shí èr	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་གཉི	one hundred twenty-two
一百二十三	yī bǎi èr shí sān	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་གསུམ	one hundred twenty-three
一百二十四	yī bǎi èr shí sì	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཞི	one hundred twenty-four
一百二十五	yī bǎi èr shí wǔ	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་ལྔ	one hundred twenty-five
一百二十六	yī bǎi èr shí liù	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་དྲུག	one hundred twenty-six
一百二十七	yī bǎi èr shí qī	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བདུན	one hundred twenty-seven
一百二十八	yī bǎi èr shí bā	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བརྒྱུད	one hundred twenty-eight
一百二十九	yī bǎi èr shí jiǔ	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་དགུ	one hundred twenty-nine
一百三十	yī bǎi sān shí	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ	one hundred thirty
一百三十一	yī bǎi sān shí yī	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་གཉི	one hundred thirty-one
一百三十二	yī bǎi sān shí èr	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་གཉི	one hundred thirty-two
一百三十三	yī bǎi sān shí sān	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་གསུམ	one hundred thirty-three
一百三十四	yī bǎi sān shí sì	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཞི	one hundred thirty-four
一百三十五	yī bǎi sān shí wǔ	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་ལྔ	one hundred thirty-five
一百三十六	yī bǎi sān shí liù	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་དྲུག	one hundred thirty-six
一百三十七	yī bǎi sān shí qī	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བདུན	one hundred thirty-seven
一百三十八	yī bǎi sān shí bā	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བརྒྱུད	one hundred thirty-eight
一百三十九	yī bǎi sān shí jiǔ	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་དགུ	one hundred thirty-nine
一百四十	yī bǎi sì shí	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ	one hundred forty
一百四十一	yī bǎi sì shí yī	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་གཉི	one hundred forty-one
一百四十二	yī bǎi sì shí èr	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་གཉི	one hundred forty-two
一百四十三	yī bǎi sì shí sān	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་གསུམ	one hundred forty-three
一百四十四	yī bǎi sì shí sì	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཞི	one hundred forty-four
一百四十五	yī bǎi sì shí wǔ	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་ལྔ	one hundred forty-five
一百四十六	yī bǎi sì shí liù	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་དྲུག	one hundred forty-six
一百四十七	yī bǎi sì shí qī	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བདུན	one hundred forty-seven
一百四十八	yī bǎi sì shí bā	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བརྒྱུད	one hundred forty-eight
一百四十九	yī bǎi sì shí jiǔ	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་དགུ	one hundred forty-nine
一百五十	yī bǎi wǔ shí	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ	one hundred fifty
一百五十一	yī bǎi wǔ shí yī	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་གཉི	one hundred fifty-one
一百五十二	yī bǎi wǔ shí èr	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་གཉི	one hundred fifty-two
一百五十三	yī bǎi wǔ shí sān	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་གསུམ	one hundred fifty-three
一百五十四	yī bǎi wǔ shí sì	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཞི	one hundred fifty-four
一百五十五	yī bǎi wǔ shí wǔ	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་ལྔ	one hundred fifty-five
一百五十六	yī bǎi wǔ shí liù	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་དྲུག	one hundred fifty-six
一百五十七	yī bǎi wǔ shí qī	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བདུན	one hundred fifty-seven
一百五十八	yī bǎi wǔ shí bā	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བརྒྱུད	one hundred fifty-eight
一百五十九	yī bǎi wǔ shí jiǔ	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་དགུ	one hundred fifty-nine
一百六十	yī bǎi liù shí	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ	one hundred sixty
一百六十一	yī bǎi liù shí yī	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་གཉི	one hundred sixty-one
一百六十二	yī bǎi liù shí èr	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་གཉི	one hundred sixty-two
一百六十三	yī bǎi liù shí sān	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་གསུམ	one hundred sixty-three
一百六十四	yī bǎi liù shí sì	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཞི	one hundred sixty-four
一百六十五	yī bǎi liù shí wǔ	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་ལྔ	one hundred sixty-five
一百六十六	yī bǎi liù shí liù	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་དྲུག	one hundred sixty-six
一百六十七	yī bǎi liù shí qī	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བདུན	one hundred sixty-seven
一百六十八	yī bǎi liù shí bā	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བརྒྱུད	one hundred sixty-eight
一百六十九	yī bǎi liù shí jiǔ	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་དགུ	one hundred sixty-nine
一百七十	yī bǎi qī shí	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ	one hundred seventy
一百七十一	yī bǎi qī shí yī	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་གཉི	one hundred seventy-one
一百七十二	yī bǎi qī shí èr	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་གཉི	one hundred seventy-two
一百七十三	yī bǎi qī shí sān	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་གསུམ	one hundred seventy-three
一百七十四	yī bǎi qī shí sì	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཞི	one hundred seventy-four
一百七十五	yī bǎi qī shí wǔ	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་ལྔ	one hundred seventy-five
一百七十六	yī bǎi qī shí liù	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་དྲུག	one hundred seventy-six
一百七十七	yī bǎi qī shí qī	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བདུན	one hundred seventy-seven
一百七十八	yī bǎi qī shí bā	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བརྒྱུད	one hundred seventy-eight
一百七十九	yī bǎi qī shí jiǔ	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་དགུ	one hundred seventy-nine
一百八十	yī bǎi bā shí	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ	one hundred eighty
一百八十一	yī bǎi bā shí yī	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་གཉི	one hundred eighty-one
一百八十二	yī bǎi bā shí èr	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་གཉི	one hundred eighty-two
一百八十三	yī bǎi bā shí sān	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་གསུམ	one hundred eighty-three
一百八十四	yī bǎi bā shí sì	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཞི	one hundred eighty-four
一百八十五	yī bǎi bā shí wǔ	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་ལྔ	one hundred eighty-five
一百八十六	yī bǎi bā shí liù	བཅུ་གསུམ་ལྔ་བཅུ་བཅུ་བཅུ་བཅུ་བཅུ་བ	

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993	994	995	996	997	998	999	1000

STATIONARY AIR THERMOMETER OBSERVATIONS

STATION	DATE	TIME	TEMPERATURE	WIND	MOON	STATE	REMARKS
1	1880	10	70	0	0	0	
1	1880	11	70	0	0	0	
1	1880	12	70	0	0	0	
1	1880	13	70	0	0	0	
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1	1880	15	70	0	0	0	
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1	1880	27	70	0	0	0	
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1	1880	29	70	0	0	0	
1	1880	30	70	0	0	0	
1	1880	31	70	0	0	0	

STATION	DATE	TIME	TEMPERATURE	WIND	MOON	STATE	REMARKS
1	1880	10	70	0	0	0	
1	1880	11	70	0	0	0	
1	1880	12	70	0	0	0	
1	1880	13	70	0	0	0	
1	1880	14	70	0	0	0	
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1	1880	29	70	0	0	0	
1	1880	30	70	0	0	0	
1	1880	31	70	0	0	0	

STATION	DATE	TIME	TEMPERATURE	WIND	MOON	STATE	REMARKS
1	1880	10	70	0	0	0	
1	1880	11	70	0	0	0	
1	1880	12	70	0	0	0	
1	1880	13	70	0	0	0	
1	1880	14	70	0	0	0	
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1	1880	31	70	0	0	0	

AEROSPACE TECHNICAL INTELLIGENCE CENTER
UNITED STATES AIR FORCE
WRIGHT-PATTERSON AIR FORCE BASE
OHIO

REPLY TO
ATTN OF: AFGIN-4X2

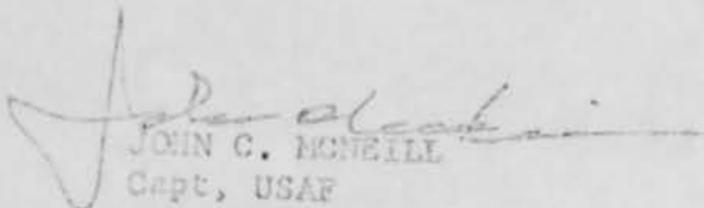
SUBJECT: Extract from Duty Officers' Report

25 Nov 60

TO: AFGIN-4E2, Maj Friend

The following, extracted from Capt Harrell's Report dated 23 Nov 60,
is quoted for your information:

1720 hours, received a call from Sergeant Heath, 3079th, that
Major Barrett (SAC) had called him since he had failed to
contact Sergeant Bolicu. Major Barrett stated that it was
not SAC 47s that dropped chaff around Selfridge.


JOHN C. MCNEILL
Capt, USAF
AFGIN-4X2

1 Atch
ATIC Fm 164

CHESBURG, PA. 1931

DATE	TIME	TYPE	NO.	NAME	INITIALS	REMARKS
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10/2	0					
10/3	0					
10/4	0					
10/5	0					
10/6	0					
10/7	0					
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10/10	0					
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LETTSBURGH, PA. 10/24/1960

DATE	TIME	NAME	ADDRESS	CITY	STATE	ZIP	PHONE	TELETYPE	TELEX	WIRE	MAIL	OTHER
10/24	10:00	JOHN	123	PHILADELPHIA	PA	19101	215-555-1234					
10/24	10:15	MARY	456	PHILADELPHIA	PA	19102	215-555-5678					
10/24	10:30	JOHN	789	PHILADELPHIA	PA	19103	215-555-9012					
10/24	10:45	MARY	1011	PHILADELPHIA	PA	19104	215-555-3456					
10/24	11:00	JOHN	1314	PHILADELPHIA	PA	19105	215-555-7890					
10/24	11:15	MARY	1617	PHILADELPHIA	PA	19106	215-555-2345					
10/24	11:30	JOHN	1920	PHILADELPHIA	PA	19107	215-555-6789					
10/24	11:45	MARY	2223	PHILADELPHIA	PA	19108	215-555-1234					
10/24	12:00	JOHN	2526	PHILADELPHIA	PA	19109	215-555-5678					
10/24	12:15	MARY	2829	PHILADELPHIA	PA	19110	215-555-9012					
10/24	12:30	JOHN	3132	PHILADELPHIA	PA	19111	215-555-3456					
10/24	12:45	MARY	3435	PHILADELPHIA	PA	19112	215-555-7890					
10/24	13:00	JOHN	3738	PHILADELPHIA	PA	19113	215-555-2345					
10/24	13:15	MARY	4039	PHILADELPHIA	PA	19114	215-555-6789					
10/24	13:30	JOHN	4340	PHILADELPHIA	PA	19115	215-555-1234					
10/24	13:45	MARY	4641	PHILADELPHIA	PA	19116	215-555-5678					
10/24	14:00	JOHN	4942	PHILADELPHIA	PA	19117	215-555-9012					
10/24	14:15	MARY	5243	PHILADELPHIA	PA	19118	215-555-3456					
10/24	14:30	JOHN	5544	PHILADELPHIA	PA	19119	215-555-7890					
10/24	14:45	MARY	5845	PHILADELPHIA	PA	19120	215-555-2345					
10/24	15:00	JOHN	6146	PHILADELPHIA	PA	19121	215-555-6789					
10/24	15:15	MARY	6447	PHILADELPHIA	PA	19122	215-555-1234					
10/24	15:30	JOHN	6748	PHILADELPHIA	PA	19123	215-555-5678					
10/24	15:45	MARY	7049	PHILADELPHIA	PA	19124	215-555-9012					
10/24	16:00	JOHN	7350	PHILADELPHIA	PA	19125	215-555-3456					
10/24	16:15	MARY	7651	PHILADELPHIA	PA	19126	215-555-7890					
10/24	16:30	JOHN	7952	PHILADELPHIA	PA	19127	215-555-2345					
10/24	16:45	MARY	8253	PHILADELPHIA	PA	19128	215-555-6789					
10/24	17:00	JOHN	8554	PHILADELPHIA	PA	19129	215-555-1234					
10/24	17:15	MARY	8855	PHILADELPHIA	PA	19130	215-555-5678					
10/24	17:30	JOHN	9156	PHILADELPHIA	PA	19131	215-555-9012					
10/24	17:45	MARY	9457	PHILADELPHIA	PA	19132	215-555-3456					
10/24	18:00	JOHN	9758	PHILADELPHIA	PA	19133	215-555-7890					
10/24	18:15	MARY	10059	PHILADELPHIA	PA	19134	215-555-2345					
10/24	18:30	JOHN	10360	PHILADELPHIA	PA	19135	215-555-6789					
10/24	18:45	MARY	10661	PHILADELPHIA	PA	19136	215-555-1234					
10/24	19:00	JOHN	10962	PHILADELPHIA	PA	19137	215-555-5678					
10/24	19:15	MARY	11263	PHILADELPHIA	PA	19138	215-555-9012					
10/24	19:30	JOHN	11564	PHILADELPHIA	PA	19139	215-555-3456					
10/24	19:45	MARY	11865	PHILADELPHIA	PA	19140	215-555-7890					
10/24	20:00	JOHN	12166	PHILADELPHIA	PA	19141	215-555-2345					
10/24	20:15	MARY	12467	PHILADELPHIA	PA	19142	215-555-6789					
10/24	20:30	JOHN	12768	PHILADELPHIA	PA	19143	215-555-1234					
10/24	20:45	MARY	13069	PHILADELPHIA	PA	19144	215-555-5678					
10/24	21:00	JOHN	13370	PHILADELPHIA	PA	19145	215-555-9012					
10/24	21:15	MARY	13671	PHILADELPHIA	PA	19146	215-555-3456					
10/24	21:30	JOHN	13972	PHILADELPHIA	PA	19147	215-555-7890					
10/24	21:45	MARY	14273	PHILADELPHIA	PA	19148	215-555-2345					
10/24	22:00	JOHN	14574	PHILADELPHIA	PA	19149	215-555-6789					
10/24	22:15	MARY	14875	PHILADELPHIA	PA	19150	215-555-1234					
10/24	22:30	JOHN	15176	PHILADELPHIA	PA	19151	215-555-5678					
10/24	22:45	MARY	15477	PHILADELPHIA	PA	19152	215-555-9012					
10/24	23:00	JOHN	15778	PHILADELPHIA	PA	19153	215-555-3456					
10/24	23:15	MARY	16079	PHILADELPHIA	PA	19154	215-555-7890					
10/24	23:30	JOHN	16380	PHILADELPHIA	PA	19155	215-555-2345					
10/24	23:45	MARY	16681	PHILADELPHIA	PA	19156	215-555-6789					
10/24	24:00	JOHN	16982	PHILADELPHIA	PA	19157	215-555-1234					

SUBJECT: [Faint Title]
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No.	Name	Age	Sex	Religion	Profession	Marital Status	Education	Income	Assets	Liabilities	Remarks
1	John Doe	35	M	Catholic	Teacher	Married	High School	\$10,000	House	None	
2	Jane Smith	28	F	Protestant	Nurse	Single	College	\$8,000	Car	None	
3	Robert Brown	45	M	Methodist	Engineer	Married	University	\$15,000	House, Car	None	
4	Mary White	60	F	Baptist	Retired	Widowed	High School	\$6,000	None	None	
5	David Green	22	M	Evangelical	Student	Single	College	\$3,000	None	None	
6	Sarah Black	30	F	Presbyterian	Accountant	Married	College	\$9,000	House	None	
7	Michael King	50	M	Anglican	Manager	Married	University	\$12,000	House, Car	None	
8	Elizabeth Lee	70	F	Quaker	Retired	Widowed	High School	\$4,000	None	None	
9	James Hall	38	M	Reformed	Farmer	Married	High School	\$7,000	Land	None	
10	Anna Taylor	42	F	Episcopal	Homemaker	Married	High School	\$5,000	None	None	

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STATE OF CALIFORNIA

DEPARTMENT OF AGRICULTURE
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ACTION ABC, 26TH ADIV (SAGE), ATIC, ASST CHIEF OF STAFF HQ USAF,
AND CIS HQ USAF. UFO REPORT. PER PARA 15, AFR 211-2, UFO
SIGHTING REPORTED AS FOLLOWS: A. OBJECT DESCRIPTION (1) BRIGHT
LIGHT(S), WITH CONE OR TRIANGULAR TRAIL OF WAKE SEPARATED BY A
SPACE. (2) SIZE ESTIMATED BETWEEN HEAD OF PENCIL AND BASKET-
BALL FOR LIGHT, WITH TRAIL TEN TO FIFTEEN LONGER. (3) LIGHT
WHITE, TRAIL BLuish WHITE (4) TWO SIMILAR OBJECTS (5) MAN-
UEVERED OR MOVED IN ROUGHLY PARALLEL PATHS (6) NONE (7) SEE
(1) ONE AND (2) TWO ABOVE (8) NO SOUND INVOLVED IN SIGHTING

PAGE TWO RUFZDG 47

(9) LIGHTS MOVED AT TREMENDOUS SPEEDS B. COURSE DESCRIPTION:
(1) OBSERVED ALONG FLIGHT PATH OF OBSERVING AIRCRAFT (2) FIRST
OBJECT SIGHTED AT 2 O'CLOCK HIGH, APPEARED TO BE APPROACHING ON
NORTHWEST HEADING, MOVED UP AND NORTHWARD WITHIN AN ESTIMATED 20
DEGREES OF ARC OF SKY, CONSTANTLY VISIBLE UNTIL DISAPPEARANCE.
SECOND OBJECT APPEARED SHORTLY AFTER FIRST, MOVED IN ROUGHLY PARA-
LLEL COURSE, OBSERVED INTERMITTENTLY, CLIMBED ACROSS PATH OF FIRST
OBJECT TO HIGHER POSITION, BOTH DISAPPEARING TOGETHER. (3) DIS-
APPEARED AT POINT BETWEEN ZERO AND FIVE DEGREES ABOVE FLIGHT LEVEL.
(4) APPEARED ABOUT FIVE DEGREES APART (SEE (2) ABOVE). (5) VAN-
ISHED (6) OBSERVED OVER PERIOD OF EIGHT MINUTES C. MANNER
OBSERVATION: (1) AIR-VISUAL, NO CONTACT OR APS 42 OPERATING AT
TIME (2) NO OPTICAL AIDS (3) OBSERVED FROM COCKPIT OF EC121
AIRCRAFT NUMBER 523418 AT 15,000 FT, COMPASS HEADING 051 DEGREES,

STATE OF TEXAS

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Year	Month	Day	Time	Temp	Wind	Humidity	Pressure	Clouds	Remarks
1950	Jan	1	10:00	45	W	75	30.0	100	
1950	Jan	2	10:00	48	W	75	30.0	100	
1950	Jan	3	10:00	45	W	75	30.0	100	
1950	Jan	4	10:00	45	W	75	30.0	100	
1950	Jan	5	10:00	45	W	75	30.0	100	
1950	Jan	6	10:00	45	W	75	30.0	100	
1950	Jan	7	10:00	45	W	75	30.0	100	
1950	Jan	8	10:00	45	W	75	30.0	100	
1950	Jan	9	10:00	45	W	75	30.0	100	
1950	Jan	10	10:00	45	W	75	30.0	100	
1950	Jan	11	10:00	45	W	75	30.0	100	
1950	Jan	12	10:00	45	W	75	30.0	100	
1950	Jan	13	10:00	45	W	75	30.0	100	
1950	Jan	14	10:00	45	W	75	30.0	100	
1950	Jan	15	10:00	45	W	75	30.0	100	
1950	Jan	16	10:00	45	W	75	30.0	100	
1950	Jan	17	10:00	45	W	75	30.0	100	
1950	Jan	18	10:00	45	W	75	30.0	100	
1950	Jan	19	10:00	45	W	75	30.0	100	
1950	Jan	20	10:00	45	W	75	30.0	100	
1950	Jan	21	10:00	45	W	75	30.0	100	
1950	Jan	22	10:00	45	W	75	30.0	100	
1950	Jan	23	10:00	45	W	75	30.0	100	
1950	Jan	24	10:00	45	W	75	30.0	100	
1950	Jan	25	10:00	45	W	75	30.0	100	
1950	Jan	26	10:00	45	W	75	30.0	100	
1950	Jan	27	10:00	45	W	75	30.0	100	
1950	Jan	28	10:00	45	W	75	30.0	100	
1950	Jan	29	10:00	45	W	75	30.0	100	
1950	Jan	30	10:00	45	W	75	30.0	100	
1950	Jan	31	10:00	45	W	75	30.0	100	

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B. TIME/DATE: (1) 231102Z (2) DARK WITH ENOUGH LIGHT TO SEE BUILDINGS ON GROUND, NO MOON. E. LOCATION: AIRCRAFT DIRECTLY OVER CHICAGO. HEIGHTS FOR RADIO 41 DEGREES 34 MINUTES NORTH, 27 DEGREES 34 MINUTES WEST. F. OBSERVERS: (1) CAPTAIN ROBERT L. ELDRON, 56TH AEW&CON SQ, AIRCRAFT COMMANDER, RELIABLE, FIRST UFO,

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3 YEARS ALASKA EXPERIENCE WITH AURORA. (2) SSGT KENNETH M. GAIN, 56TH AEW&CON SQ, FLIGHT ENGINEER, RELIABLE. IC. WEATHER: (1) WIND AT ALTITUDE ESTIMATED 7 KNOTS FROM 280 DEGREES, FLIGHT ALTITUDE TEMPERATURE -5 DEGREES CENTIGRADE UNCORRECTED, LIGHT CLEAR AIR TURBULENCE BEING EXPERIENCED. (2) NOT AVAILABLE (3) & (4) CAVU (5) NO CLOUDS OBSERVED (6) NEGATIVE (7) NOT AVAILABLE

H. OTHER ACTIVITY: AIRCRAFT WAS IN UHF CONTACT WITH ANOTHER AIRCRAFT OVER WALNUT RIDGE, ARKANSAS, AT 34,000 FEET, IDENTIFIED AS PACER 91 WHO ALSO WAS OBSERVING THE LIGHTS ABOVE HIM.

I. NOT APPLICABLE, SIGHTING WAS REPORTED BY OBSERVING AIRCRAFT TO CHICAGO CENTER RADIO WITH SHOW A POSITION REPORT WAS BEING MADE. GROUND RADIO PERSONNEL REMARKED ALSO SIGHTING LIGHT FROM THEIR GROUND POSITION. K. PREPARING OFFICER: CAPTAIN KEITH H. LOREHOUSE, WING INTELLIGENCE OFFICER, 951ST AEW&CON WING.

REMARKS: NO KNOWN ASSOCIATED SIGHTING IN LOCAL AREA NEW ENGLAND.

R. NO PHYSICAL EVIDENCE OR PHOTOS.

2722 7 NOV RJEZEG

Faint, mostly illegible text at the top of the page, possibly representing a header or routing information.

(2)

NNNN

V

RA156

1630 NOV 23 22 49

UCZCSQBS35ZCAHA175

PP RJEDSO

DE RJEDAH 34

P 231845Z ZEX

FM CADS TRUAX FLD WIS

TO RJWFAL/ADC ENT AFB COLO

RJEDSO/ATIC WPAFB OHIO

RJEZHQ/HQ USAF WASHDC

RJEZHQ/SAFS WASHDC

BT

UNCLAS/CHOIN 11-3. FOR INTELLIGENCE. SAFS ATTN INFO SVCS. IMMEDIATE

(Handwritten mark, possibly initials or a signature)

1
2 4E2 (4P01)
3
4 YWA