

PROJECT 10073 RECORD CARD

1. DATE 17 Oct 52		2. LOCATION ELKO NEV		12. CONCLUSIONS ☐ Was Balloon ☒ Probably Balloon ☐ Possibly Balloon	
3. DATE-TIME GROUP Local 17/0200 PST GMT 17/1000 Z		4. TYPE OF OBSERVATION ☒ Ground-Visual ☐ Ground-Radar ☐ Air-Visual ☐ Air-Intercept Radar		☐ Was Aircraft ☐ Probably Aircraft ☐ Possibly Aircraft ☐ Was Astronomical ☐ Probably Astronomical ☐ Possibly Astronomical	
5. PHOTOS ☐ Yes ☒ No		6. SOURCE USAF Pilot and 4 civilians		☐ Other ☐ Insufficient Data for Evaluation ☐ Unknown	
7. LENGTH OF OBSERVATION 5 min		8. NUMBER OF OBJECTS 1		9. COURSE	
10. BRIEF SUMMARY OF SIGHTING Yellowish-white disc three times the size of planet Venus, blinked and moved rapidly with a bouncing motion. Observers did not remain in area long enough to determine manner of disappearance.				11. COMMENTS	

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A.F. R.O.T.C. DETACHMENT No. 15
HEADQUARTERS FOURTH AIR FORCE
UTAH STATE AGRICULTURAL COLLEGE
LOGAN, UTAH

22 October 1952

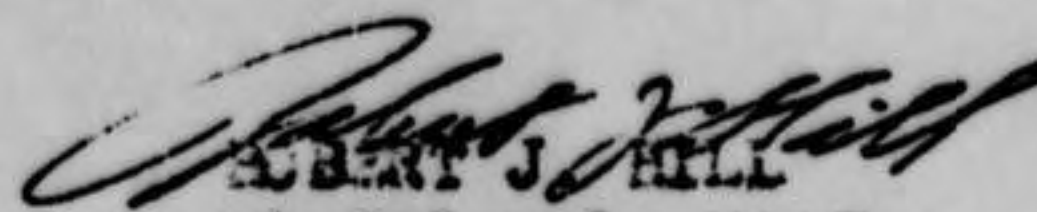
SUBJECT: Transmittal of Report of Unidentified Flying Object (FLYOB RPT)

THRU : Commandant
Headquarters, Air Force ROTC
435 Bell Street
Montgomery, Alabama

TO : Director of Intelligence
Headquarters, United States Air Force
Washington 25, D. C.

Transmitted herewith is a Report of an Unidentified Flying Object,
forwarded in accordance with paragraph 7e(2), Air Force Letter 200-5,
dated 29 April 1952.

1 Incl:
AF Form 112.


ROBERT J. HILL
Lt Colonel, USAF
PAST

COUNTRY United States	REPORT NO.	(LEAVE BLANK)
AIR INTELLIGENCE INFORMATION REPORT		
SUBJECT FLYOBREP		
AREA REPORTED ON Near Elko, Nevada	FROM (Agency) AF ROTC Det #860, Utah State Agricultural College, Logan, Utah	
DATE OF REPORT 22 October 1952	DATE OF INFORMATION 17 October 1952	EVALUATION
PREPARED BY (Officer) Major Robert L. Howard, AO 661 765	SOURCE Personal observation	
REFERENCES (Control number, directive, previous report, etc., as applicable) AFL 200-5, 29 Apr 1952 (Original Report)		
SUMMARY: (Enter concise summary of report. Give significance in final one-sentence paragraph. List inclosures at lower left. Begin text of report on AF Form 112—Part II.)		
SUMMARY: An unidentifiable flying object was sighted by Major Robert L. Howard and four (4) civilian observers approximately two (2) miles west of Elko, Nevada at 0200 hours (PST), 17 October 1952. The object, approximately three times the size and magnitude of the planet Venus, appeared to be in the form of a disk and to produce a yellowish-white light. During observation, the object moved in a southwesterly direction with a bouncing motion while ascending rapidly.		
No _____ INCL.		
DISTRIBUTION BY ORIGINATOR cc: Chief, Air Technical Intelligence Center ATTN: ATIAA-2c Wright-Patterson AFB, Ohio		

NOTE: THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF THE ESPIONAGE ACT, 50 U. S. C.—31 AND 32, AS AMENDED. ITS TRANSMISSION OR THE REVELATION OF ITS CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW. IT MAY NOT BE REPRODUCED IN WHOLE OR IN PART, BY OTHER THAN UNITED STATES AIR FORCE AGENCIES, EXCEPT BY PERMISSION OF THE DIRECTOR OF INTELLIGENCE, USAF.

AIR INTELLIGENCE INFORMATION REPORT

FROM (Agency) AF ROTC Det #860, Utah State Agricultural College, Logan, Utah	REPORT NO.	PAGE two OF two PAGES
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FLYOBREP

1. This report of an unidentified flying object is made by Major Rober L. Howard, AO 661 765, Air Force ROTC Detachment #860, Utah State Agricultural College, Logan, Utah, a USAF pilot on flying status who is 34 years of age and who has ten years commissioned service. Observation of the object was made, in addition to subject officer, by four (4) civilians.

2. The object appeared to observers to be a disk (similar to a poker chip) emitting a yellowish-white light and to be approximately three times the size and magnetude of the planet Venus. No exhaust system, trail or means of propulsion was observed. Object appeared to blink rapidly (fractional section blinking). Object appeared to move rapidly, however, no estimate of speed could be made due to the lack of points of reference. During the period of observation, the object maintained a bouncing motion similar to that of a kite.

3. Object was observed at 0200 hours (PST), 17 October 1952, and was observed for approximately five minutes. Observers did not remain in the area to determine the manner of disappearance.

4. Observation was made from the ground along U.S. Highway 40, approximately two (2) miles west of Elko, Nevada (opposite Elko Municipal Airport). When first observed, the object appeared at approximately 45° above the horizon, north west (315°) of the point of observation. During the period of observation, the object moved rapidly on a south westerly course, ascending at an estimated 500 to 1500 feet per minute. All observations were made with the unaided eye.

5. Observers, in addition to subject officer, were his wife, the owner of a transport company and two experienced and reliable passenger bus operators. (Names and addresses will be furnished upon request). All observers are regarded as extremely reliable.

6. At the time of observation, the weather was clear with no moon. There were no surface winds. (Winds aloft are unknown.)

7. There were no known conditions, meteorological or otherwise, which might account for the sighting.

8. No physical evidence of the sighting was obtained. There was no known attempt at interception. Location of air traffic in the area is unknown.

PROJECT 10073 WORKSHEET

I. GENERAL

1. DATE <i>17 Oct 52</i>	2. LOCATION <i>Elko, Nev.</i>	3. TIME Local: <i>170200PST</i> Zebra: <i>171000</i>
4. WAS OBJECT OBSERVED FROM THE GROUND?		
☒ Yes		☐ No
☐ Naked Eye ☐ Binoculars ☐ Telescope ☐ Theodolite		
5. WAS OBJECT OBSERVED BY GROUND RADAR?		
☐ Yes		☒ No
☐ By One Set ☐ By Two Sets ☐ By Three Sets		
6. WAS OBJECT OBSERVED FROM THE AIR?		
☐ Yes		☒ No
☐ A/C Observed Object ☐ Interception Attempted ☐ No Intercept Attempted		
7. WERE AIRCRAFT SCRAMBLED TO INTERCEPT?		
☐ Yes		☒ No
☐ A/C Scrambled ☐ Visual Contact Made ☐ A/I Contact Made ☐ No Contact Made		
8. DID OBJECT CHANGE DIRECTION AT ANY TIME?		
☐ Yes		☒ No
☐ Normal ☒ Violent		
9. IF OBJECT WAS A "LIGHT", WAS IT:		
☒ Blinking		
☐ Steady		
10. LENGTH OF TIME IN SIGHT:		
☐ 1-15 Seconds		
☒ 1-5 Minutes		
☐ Over 10 Minutes		
11. REPORTING AGENCY (Unit Number and Mailing Address)		
<i>AF ROTC Det #860, Utah State Agr. College, Logan, Utah</i>		

II. ASTRONOMICAL DATA

12. WHAT ASTRONOMICAL ACTIVITY WAS NOTED?		
13. DID OBJECT APPEAR TO ARCH DOWNWARD?	☐ Yes	☐ No
14. DID OBJECT HAVE A TAIL?	☐ Yes	☐ No
15. DID OBJECT APPEAR TO DISINTEGRATE?	☐ Yes	☐ No
16. TIME OF SIGHTING RELATIVE TO SUNRISE OR SUNSET (Data from Air Almanac)		
☒ Night		
☐ Day		
☐ Sunrise		
☐ Sunset		

III. AIRCRAFT DATA

17. WERE AIRCRAFT NOTED IN AREA?	☐ Yes	☒ No
	☐ One Aircraft	
	☐ More Than One Aircraft	
18. WAS ANY SOUND HEARD?	☐ Yes	☐ No
19. WERE THERE INDICATIONS OF HIGH BACKGROUND NOISE?	☐ Yes	☐ No
20. WAS THE OBJECT VIEWED ABOVE 45° ELEVATION?	☐ Yes	☐ No

IV. BALLOON DATA

21. WERE BALLOONS RELEASED IN AREA? ☒ Yes ☐ No

22. TIME SINCE SCHEDULED BALLOON RELEASE: 60 Minutes

23. POSSIBLE BALLOON LAUNCH SITES DOWNWIND OF SIGHTING:

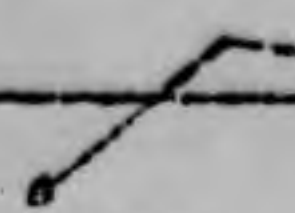
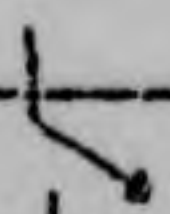
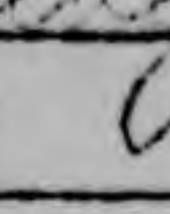
	Location	Type	Launching Agency	Lighted?		Describe Lighting
				Yes	No	
a.	Elbow River	P	W.B.	☒	☐	
b.				☐	☐	
c.				☐	☐	
d.				☐	☐	

(attach overlay)

V. EVALUATION

21. EVALUATION OF SOURCE: ☐ Excellent ☒ Good ☐ Fair ☐ Poor ☐ Unreliable ☐ Extremely Doubtful ☐ Hoax	22. DETAILS OF REPORT: ☐ Good ☒ Fair ☐ Poor ☐ Insufficient to Evaluate
23. FINAL EVALUATION: ☐ Was Balloon ☒ Probably Balloon ☒ Possibly Balloon ☐ Was Aircraft ☐ Probably Aircraft ☐ Possibly Aircraft ☐ Was Astronomical ☐ Probably Astronomical ☐ Possibly Astronomical ☐ Other: _____ ☐ Insufficient Data For Evaluation ☐ Unknown	
24. COMMENTS:	

PROJECT 10073 WEATHER DATA SH

1. DATE OF OBSERVATION <i>17 Oct 52</i>		2. TIME OF OBSERVATION <i>0900Z</i>		3. STATION OBSERVING <i>Elko, Nev.</i>	
4. WINDS ALOFT:					
ALTITUDE (feet)	VELOCITY (knots)	DIRECTION (degrees)	ALTITUDE (feet)	VELOCITY (knots)	DIRECTION (degrees)
0			25,000		
1,000			30,000		
2,000	<i>Base alt. over 4,000'</i>		35,000		
3,000			40,000		
4,000			45,000		
5,000			50,000		
6,000			55,000		
7,000			60,000		
8,000			65,000		
9,000			70,000		
10,000			75,000		
12,000			80,000		
14,000			85,000		
16,000	<i>(Missing)</i>		90,000		
18,000			95,000		
20,000			100,000		
5. WAS AN INVERSION LAYER NOTED? (If yes, at what altitude? <i>See Reverse</i>) ☐ Yes ☒ No					
6. WERE ANY THUNDERSTORMS NOTED IN AREA? (If yes, at what quadrant? _____) ☐ Yes ☒ No					
7. CLOUD COVER: _____ tenths at _____ feet. _____ tenths at _____ feet. _____ tenths at _____ feet. _____ tenths at _____ feet.				8. VISIBILITY WAS _____ MILES.	
9. COMMENTS:					

- 1) 1500Z RAOB at LAS shows inversion of from $+14^{\circ}\text{C}$ to $+21^{\circ}\text{C}$ from 940 MB to 910 MB.
- 2) 0300Z RAOB at LAS shows inversion of from $+19^{\circ}\text{C}$ to $+25^{\circ}\text{C}$ from 940 MB to 910 MB.
- 3) Base press. at LAS is 940 MB
- 4) Above 910 MB, lapse rate is normal to 400 MB (as far as RAOB goes)

$$C = 5/9(F - 32)$$

$$14 = \frac{5F}{9} - \frac{160}{9}$$

$$126 = 5F - 160$$

$$\frac{160}{5} = \frac{5F - 160}{5} \quad \frac{160}{5}$$

$$286 = 5F$$

$$F = 49^{\circ}$$

$$-70 = -51 - 18$$

$$-2 = \frac{5F}{7}$$

$$5F = -18$$

$$-3F$$