1. DATE - TIME GROUP 20 July 53 21/0340Z	2. LOCATION Offutt AFB, Nebraska
3. SOURCE Military	10. CONCLUSION FOIL FROM [illegible] REFLECTOR
4. NUMBER OF OBJECTS Three	Possible that foil from the radar reflector [illegible] was falling with wind.
5. LENGTH OF OBSERVATION 9 Minutes	11. BRIEF SUMMARY AND ANALYSIS Three blips on radar. Larger blip tracked for 9 minutes. Object falling and drifting with wind.
6. TYPE OF OBSERVATION Ground-Radar	
7. COURSE Falling	
8. PHOTOS ☐ Yes ☒ No	
9. PHYSICAL EVIDENCE ☐ Yes ☒ No	

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

2139	37200	442	1411	26600	29350	250	44
2140	35100	402	1400	28000	30300	250	48
2141	32800	362	1394	29300	31200	7270	45
2143	29100	302	1409	31800	33300		
2144	27800	284	1354	32600	33750		

DATA ON BALLOON AT 2135C

2135	55000	762	1332	19800	26952

WINDS ALOFT DATA

ALTITUDE FT	MOVING FROM DIRECTION DEGREES	VELOCITY KNOTS	MPH
45000	280	37	43
43500	270	37	43
40000	260	33	38
38000	240	38	44
36000	240	36	42
31000	260	39	45

22/2244Z JUL JEDMH

DOWNGRADED AT 3 YEAR INTERVAL
DECLASSIFIED AFTER 12 YEARS
DOD DIR 5200.10

UNCLASSIFIED

1959 JUL 23 14:37

OF THE RADAR RETURN WAS SIGNIFICANTLY GREATER THAN THE RAWIN TARGET. RAWIN TARGET USED WAS 5 SQUARE FT ALUMINUM FOIL.

4. WEATHER AT TIME OF REPT 2125C 23 JUL E 40 BROKEN 135 OVERCAST 10 RW-- AND 75/68 SW 8. WINDS ALOFT TAKEN AT 2100C RAWIN RUN LISTED BELOW. 5. NO METEOROLOGICAL EXPLANATION CAN BE GIVEN. RAWIN CREW HIGHLY EXPERIENCED. CAN IDENTIFY RAINSHOWER RTRN AS OPPOSED TO RADAR RTRN FROM SOLID OBJ. A COMPARISON OF THE SPEED OF THE OBJ WITH THE WIND ALOFT SUGGESTS THE OBJ WAS FALLING AND DRIFTING WITH THE WIND. AT 2135C THE RAWIN TARGET WAS 55000 FT UNIDENTIFIED OBJ WAS 46000 FT. 6. NO PHOTOGRAPHS OR OTHER PHYSICAL EVIDENCE SIGHTING. THE P-31 AC&W UNIT INFORMED OF UNIT SIGHTING AT 2140C WERE GIVEN SCR-584 DATA ON UNIDENTIFIED OBJ AND A VERBAL REPT GIVEN AT 2230C. THE AC&W UNIT UNABLE TO LOCATE THE OBJ. NO KNOWN TRAFFIC REPT AT THESE ALT.

RADAR DATA ON UNIDENTIFIED OBJ

TIME CST	ALTITUDE FT	ELEVATION ANGLE MILS	AZIMUTH ANGLE MILS	HORIZONTAL DISTANCE YDS	SLANT RANGE YDS	VELOCITY OF OBJ MOVING FROM DIRECTION DEGREES	MPH
2135	46000	624	1383	22300	26850		
2136	44000	574	1389	23000	27500	270	57
2137	42000	522	1403	25250	28950	270	40
2138	39300	482	1415	25400	28600	270	23

AF FORM 112—PART II
APPROVED 1 JUNE 1948

UNCLASSIFIED
(CLASSIFICATION)

AIR INTELLIGENCE INFORMATION REPORT

FROM (Agency)	REPORT NO.	
HQS 3902D AB WG OFFUTT AFB NEBR	1	PAGE 1 OF 1 PAGES

1. THREE UNIDENTIFIED RADAR BLIPS WERE SIGHTED BY THE RAWIN CREW AT OFFUTT AIR FORCE BASE AT 2135C 20 JULY 1953. THE STRONGEST OF THE THREE BLIPS WAS TRACKED BY RADAR UNTIL 2144C 20 JULY 53.

2. THE UNIDENTIFIED OBJECT WAS TRACKED BY RADAR WITH THE SCR-584 RADAR SET.

3. THE RADAR SET WAS LOCATED .65 MILES SOUTH OF THE INTERSECTION OF THE MAIN RUNWAY OF OFFUTT AFB. LOCATIONS AND MOVEMENTS OF THE OBJECT TRACKED ARE GIVEN ON THE ATTACHED DATA SHEET (INCL 1).

4. THE RAWIN CREW WHICH TRACKED THE OBJECT WERE S/SGT GEORGE A. DUPRAY, AF 19307186 AND A/1C KENNETH F. SMITH, AF 16396477. BOTH ARE EXPERIENCED OPERATORS AND ARE CONSIDERED RELIABLE. THEY REPORTED THE STRENGTH OF THE RADAR RETURN FROM THE UNIDENTIFIED OBJECT TO BE SIGNIFICANTLY GREATER THAN THE RETURN FROM THE RAWIN TARGET. THE RAWIN TARGET USED CONSISTED OF A CARDBOARD FRAME APPROXIMATELY FIVE FEET SQUARE COVERED WITH ALUMINUM FOIL.

5. THE HOURLY WEATHER REPORT FROM OFFUTT AFB WEATHER STATION AT 2125C WAS E 40 ● 100 ● 10 RW--75/68 ↗ 8/990. WINDS ALOFT TAKEN AT THE 2100C RAWIN RUN ARE INCLUDED IN INCLOSURE 1.

6. NO METEOROLOGICAL EXPLANATION CAN BE GIVEN FOR THE SIGHTING. THE RAWIN CREW HAS SUFFICIENT EXPERIENCE TO IDENTIFY RAINSHOWER PRECIPITATION AS OPPOSED TO A RADAR RETURN FROM A SOLID OBJECT. A COMPARISON OF THE SPEED OF THE OBJECT WITH WINDS ALOFT SUGGESTS THAT THE OBJECT WAS FALLING AND DRIFTING WITH THE WIND. AT 2135C THE RAWIN TARGET WAS AT 55000 FEET AND THE UNIDENTIFIED OBJECT WAS AT 46300 FEET.

7. NO PHOTOGRAPHS OR OTHER PHYSICAL EVIDENCE EXISTS OF THE SIGHTING.

8. THE P-31 AIRCRAFT AC&W UNIT WAS INFORMED OF THE INITIAL SIGHTING AT 2140C. THEY WERE GIVEN THE SCR-584 DATA ON THE UNIDENTIFIED OBJECT AT THIS TIME AND A VERBAL REPORT WAS GIVEN TO THE AC&W UNIT AT ABOUT 2230C. THE AC&W UNIT WAS UNABLE TO GET A RETURN FROM THE UNIDENTIFIED OBJECT.

9. NO KNOWN TRAFFIC WAS REPORTED AT ALTITUDES FROM 25000 TO 55000 AT THE TIME OF THE ABOVE INCIDENT.

10. THIS HEADQUARTERS IS UNABLE TO EVALUATE THIS REPORT.

DOWNGRADED AT 3 YEAR INTERVALS
DECLASSIFIED AFTER 12 YEARS

AIR INTELLIGENCE INFORMATION REPORT

AREA REPORT CONCERNS: OFFUTT AIR FORCE BASE	
AGENCY OF ORIGIN: HQS 3902D AB WG, OFFUTT AIR FORCE BASE, NEBR.	DATE OF REPORT: 23 JUL 53
SOURCE OF INFORMATION: REPT BY AMN OFFUTT AFB NEBR	DATE OF INFORMATION: 20 JUL 53
PREPARING OFFICER: R. J. RUDD, MAJ USAF	EVALUATION:

2140 CST OFFUTT AFB

REFERENCES (Control number, directive, previous report, etc., as applicable)

PAR 7c, AFL 200-5 DATED 29 APRIL 52

SUBJECT

UNIDENTIFIED FLYING OBJECT

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 112a.)

SIGHTING OF THREE (3) UNIDENTIFIED FLYING OBJECTS WERE REPORTED TO THIS HEADQUARTERS BY S/SGT GEORGE A. DUPRAY AND A/1C KENNETH F. SMITH. BOTH AIRMEN ARE ASSIGNED TO 1ST AIR WEATHER GROUP, OFFUTT AFB NEBR. OBJECTS WERE OBSERVED IN AREA OF OFFUTT AFB NEBR, AT 2140 CST 20 JUL 53. IN ACCORDANCE WITH PARAGRAPH 7c, AFL 200-5 DTD 29 APR 52 TWX REPT WAS FORWARDED 22 JUL 53.

NO EVALUATION MADE BY THIS HEADQUARTERS.

A. J. BECK
COLONEL, USAF
COMMANDER

DOWNGRADED AT 3 YEAR INTS
DECLASSIFIED AFTER 12 YEARS
DOD DIR 5200.10

3 ENCLS
1. STATEMENT OF DUTY FORECASTER
2 & 3. AERONAUTICAL CHARTS

DISTRIBUTION BY ORIGINATOR
DIRECTOR OF INTELLIGENCE, HEADQUARTERS USAF, WASHINGTON 25, D. C.
CHIEF, AIR TECHNICAL INTELLIGENCE CENTER, ATTN: ATIAA-2C, WRIGHT-PATTERSON AFB, OHIO

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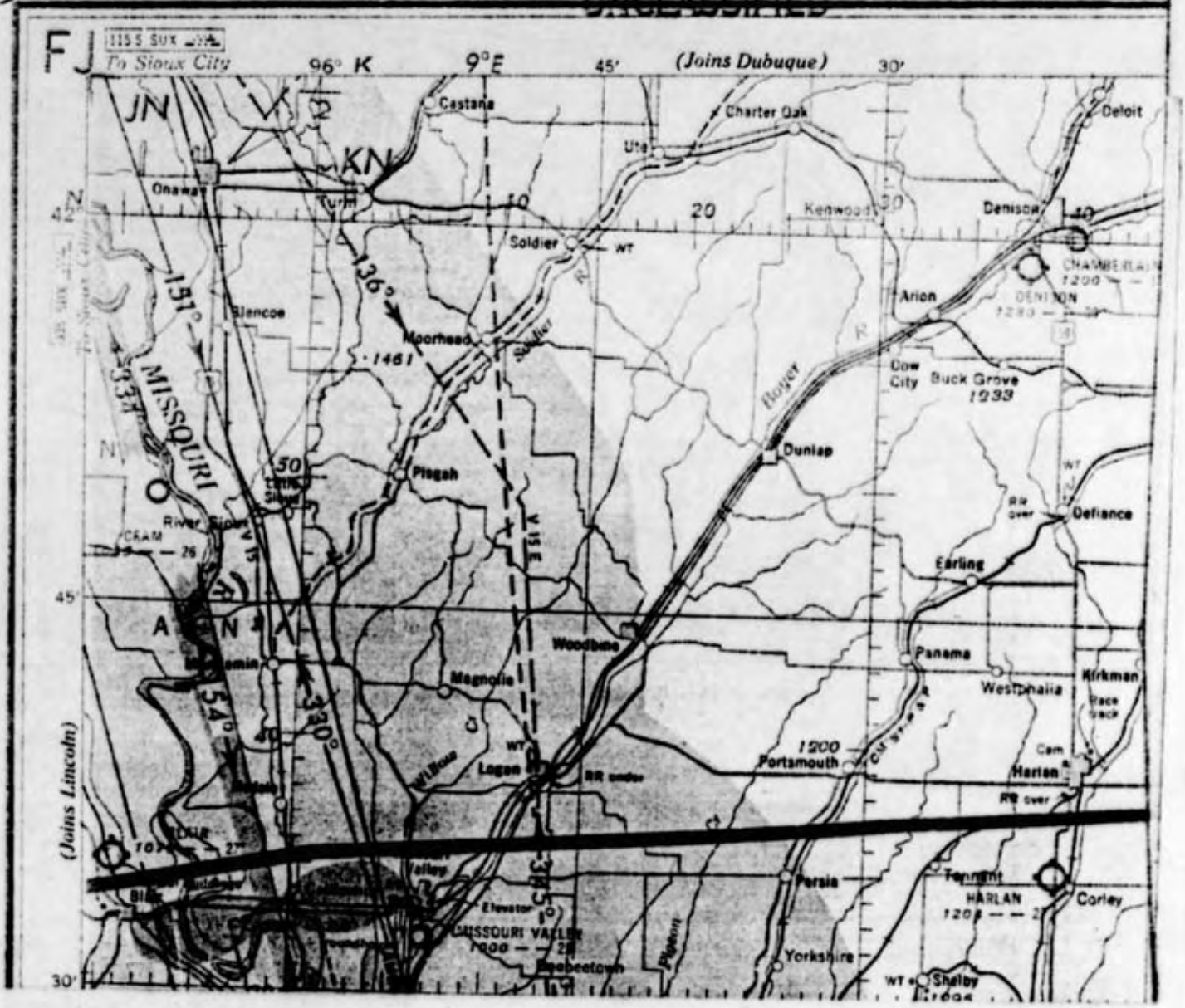
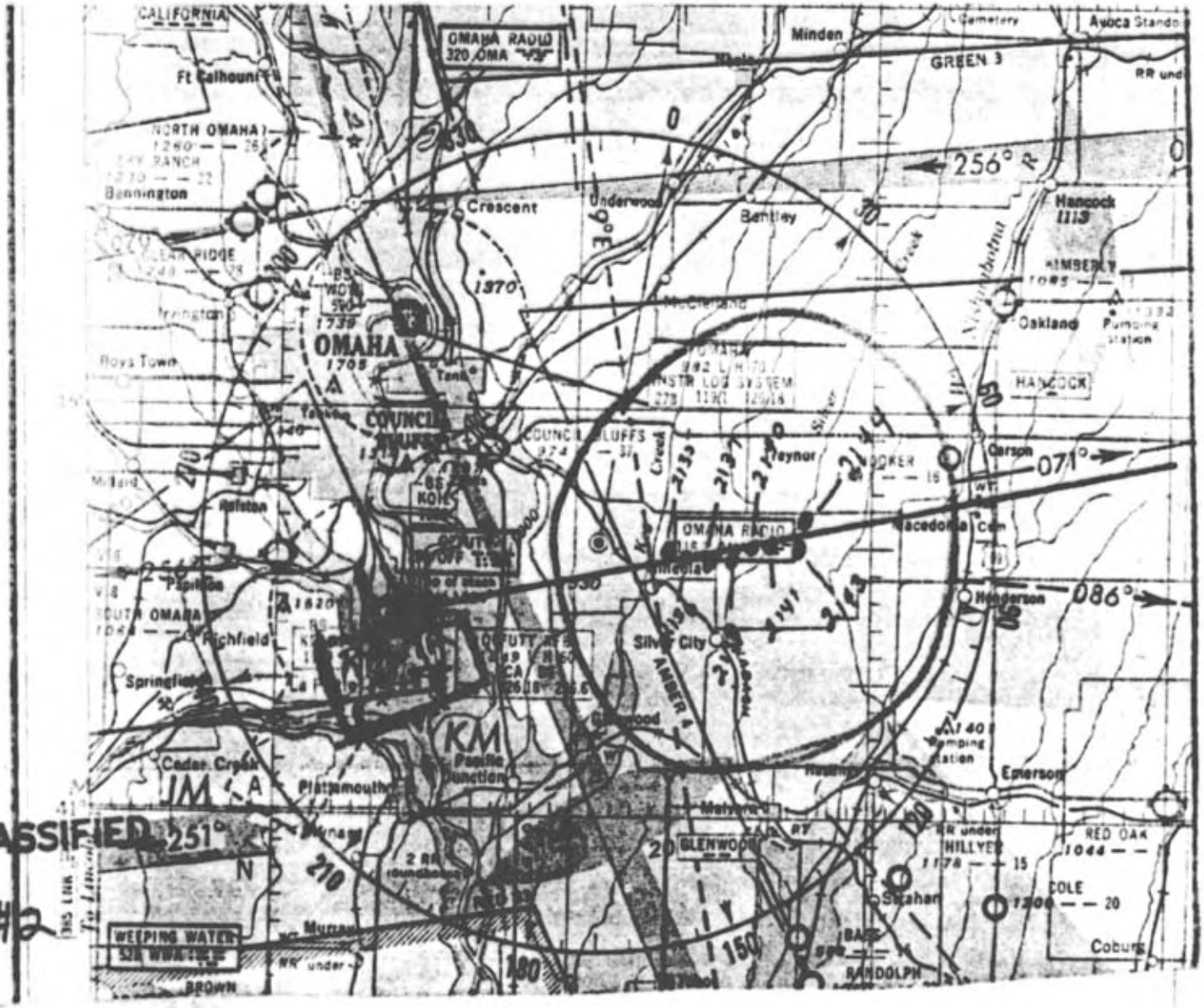
(SECURITY INFORMATION when filled in)

[redacted] [redacted] [redacted]

DES MOINES (U-6)

UNCLASSIFIED





UNCLASSIFIED

Encl #2

AERODROMES - DES MOINES SECTIONAL CHART

LOCATION	NAME	GEOGR. POSITION	TYPE	ELEV.	FACILITIES					REMARKS
					FUEL (OCTANE)	REPAIRS	RUNWAYS NO.	RUNWAYS LONGEST	LIGHTS	
Albany, Mo.	Albany Memorial	40°15'-94°21'	Mun.	859			2	2400		
Albia, Iowa	Airway Implement	41°00'-92°48'	Com.	959	80		2	2200		
Anita, Iowa	Dressler	41°21'-94°42'	Priv.	1250			1	1650		
Atlantic, Iowa	Atlantic Mun.	41°24'-95°02'	Mun.	1153	80		3	3320		
Auburn, Nebr.	Auburn Mun.	40°32'-95°47'	Mun.	932	80	Major	3	2918	Portable prior req.	
Audubon, Iowa	Audubon Airways	41°42'-94°55'	Com.	1300	80		1	1500		
Baxter, Iowa	Baxter	41°49'-93°08'	Priv.	1000			1	2200		
Bondurant, Iowa	Tufts Field	41°42'-93°27'	Priv.	950			1	2300		
Burlington, Iowa	Burlington Mun.	40°47'-91°07'	Mun.	698	80, 91, 100	Major	2	5349H	Runway on req.	
Canton, Ill.	Ingersoll Field	40°35'-90°03'	Com.	700	80/87	Major	2	2600	Port. prior req.	
Carson, Iowa	Hooker	41°14'-95°26'	Priv.	1181			1	1650		
Cedar, Iowa	Cedar OLF 6	41°14'-92°29'	Navy	836			4	2000H		Closed
Cedar Rapids, Iowa	Cedar Rapids Mun.	41°53'-91°42'	Mun.	863	80, 91, 100		2	5450H	Runway on req.	
Cedar Rapids, Iowa	Hunter Field	41°56'-91°40'	Com.	732	80/87	Major	4	2700	Boundary	Lgts. on prior req. UNICOM
Centerville, Iowa	Centerville Mun.	40°41'-92°54'	Mun.	1017	80	Major	2	2600		
Chariton, Iowa	Chariton	41°01'-93°21'	Mun.	1050	80		1	2400		Not attended
Chariton, Iowa	Turbot	41°03'-93°18'	Priv.	1050			1	1500		
Clarinda, Iowa	Clarinda Mun.	40°43'-95°01'	Mun.	992	80	Major	2	2100H	Runway	2900 ft. strip avail.
Clarinda, Iowa	Schenck Field	40°44'-95°01'	Com.	992	80		1	2700	Port. prior req.	
Clinton, Iowa	Clinton Mun.	41°50'-90°20'	Mun.	700	80/87, 91	Major	3	3700H	Runway	Fld. lgts. on req. UNICOM
Columbus Junction, Iowa	Columbus Junction	41°20'-91°22'	Priv.	580			1	2600		
Coon Rapids, Iowa	Coon Rapids Mun.	41°53'-94°42'	Mun.	1150			All way	2600		
Council Bluffs, Iowa	Council Bluffs Mun.	41°18'-95°50'	Mun.	974	80	Major	4	3755		
Craig, Mo.	Craig Airpark	40°11'-95°23'	Priv.	866			2	2030		Use strips only
Dallas Center, Iowa	Husband	41°41'-94°01'	Com.	1015	80	Minor	2	1800	Port. prior req.	
Davenport, Iowa	Cram Field	41°33'-90°36'	Mun.	646			1	2100		
Davenport, Iowa	Davenport Air Park	41°33'-90°30'	Com.	670	80/87	Minor	2	1800		
Davenport, Iowa	Davenport Mun.	41°37'-90°36'	Mun.	753	80/87, 91, 100	Major	2	4800H	Runway on request	UNICOM
Denison, Iowa	Denison Mun.	41°59'-95°23'	Mun.	1280	80	Major	3	3000		
Des Moines, Iowa	Des Moines Mun.	41°32'-93°39'	Mun.	957	80, 91, 100	Major	4	5700H	Rnwy., hi-intens. rnwy., approach	Lgts. on request
Des Moines (Johnston), Iowa	Dodge Field	41°41'-93°43'	Com.	835	80	Major	1	2500		
Des Moines, Iowa	North Field	41°39'-93°36'	Priv.	810			1	2000		
DeWitt, Iowa	DeWitt	41°49'-90°31'	Priv.	710			1	2100		Land at own risk
Elmo, Mo.	Elmo	40°31'-95°07'	Com.	950	80		1	2100		Irreg. attended
Emerson, Iowa	Cole	40°57'-95°24'	Priv.	1200			1	2000		
Falls City, Nebr.	Falls City Mun.	40°04'-95°35'	Mun.	994	80	Major	2	2900	Port. prior req.	
Fiona, Iowa	Briggs	41°47'-95°02'	Priv.	1370			1	2100		Emerg. use only

Galesburg, Ill.	Galesburg Mun.	40°56'-90°23'	Mun.	788	80/87, 91	Major	2	2700H	Boundary on req.	All way sod field
Galesburg, Ill.	Munson	40°53'-90°25'	Com.	780	80/87	Major	2	2100		
Galt, Mo.	Ace High	40°06'-93°28'	Priv.	937			1	2400		
Gorin, Mo.	Wiley Air Strip	40°22'-92°04'	Com.	640	80		2	1400		Ctn., short strip Irreg. attended
Grand Mound, Iowa	Grand Field	41°48'-90°40'	Com.	770	80		3	2345		
Grinnell, Iowa	Grinnell	41°45'-92°38'	Com.	1000	80		2	2800		
Guthrie Center, Iowa	Guthrie Center Mun.	41°41'-94°30'	Mun.	1083	80		3	2600	Flares prior req.	
Hamburg, Iowa	Hoover	40°36'-95°42'	Priv.	906			1	2000		
Harlan, Iowa	Harlan Mun.	41°35'-95°20'	Mun.	1204	80	Minor	2	2700		
Humboldt, Nebr.	Hews	40°13'-95°56'	Priv.	1200			2	1320		Emerg. use only
Humboldt, Nebr.	Humboldt Mun.	40°10'-95°56'	Mun.	993			2	2090		
Iowa City, Iowa	Indian Lookout	41°36'-91°33'	Priv.	640			1	2100		
Iowa City, Iowa	Iowa City Mun.	41°38'-91°33'	Mun.	661	80/87, 91	Major	3	4300H	Runway	
Kahoka, Mo.	Montgomery	40°25'-91°43'	Com.	700	80		2	1900		Irregularly attended
Keokuk, Iowa	Keokuk Mun.	40°28'-91°26'	Mun.	670	80	Major	3	3800H	Runway, portable	Fld. lgts. prior req.
Kirksville, Mo.	Kirksville Mun.	40°08'-92°33'	Mun.	970	80, 91	Major	4	3870H	Boundary	N/S clsd. to acft. over 10,000 pounds
Lamoni, Iowa	CAA Site 10	40°39'-93°59'	Inter.	1153			2	3700	Boundary	
Lenox, Iowa	Lenox	40°54'-94°34'	Priv.	1200			1	2600		
Leon, Iowa	Leon	40°48'-93°44'	Priv.	1050			1	2000		
Linby, Iowa	Linby OLF 17	41°09'-92°10'	Navy	817			4	1998H		Closed
Macomb, Ill.	Macomb	40°27'-90°37'	Com.	695	80/87	Major	2	2600		
Malvern (Randolph), Iowa	Bass	40°55'-95°33'	Priv.	988			1	1650		
Manning, Iowa	Manning Mun.	41°54'-95°04'	Mun.	1321	80		2	2400		Not attended
Marne (Atlantic), Iowa	Atlantic	41°27'-95°04'	Priv.	1353			1	2120		Land at own risk
Maryville, Mo.	Maryville Memorial	40°21'-94°55'	Mun.	1154	80/87, 91	Major	4	2900H	Runway	2500 ft. sod avail.
McFall, Mo.	Woodward	40°07'-94°12'	Priv.	980			1	2450		
Mechanicsville, Iowa	McVille Field	41°55'-91°19'	Priv.	850			2	2500		
Melbourne, Iowa	Melbourne	41°58'-93°08'	Com.	1000	80	Major	4	2370	Flares prior req.	
Milan, Mo.	Reece	40°11'-93°04'	Priv.	850			2	1900		
Missouri Valley, Iowa	Missouri Valley	41°32'-95°53'	Priv.	1000			1	2500		
Moline, Ill	Miller	41°31'-90°22'	Com.	575	80/87		1	2300		
Moline, Ill.	Quad-City	41°29'-90°30'	Mun.	590	80/87, 91, 100	Major	3	5505H	Rnwy., hi-intens. rnwy., approach	
Monmouth, Ill.	Monmouth Mun.	40°56'-90°38'	Mun.	770	80	Major	3	3100		

10-31-52

PROJECT 10073 RECORD CARD

1. DATE	2. LOCATION	3. SOURCE
20 July 1953	Offutt AFB, Nebraska	Military - wea observers

4. TIME	5. NUMBER OF OBJECTS	6. SHAPE	7. COLOR
Local 2140 CST Z 0340Z	one		

8. COURSE	9. ALTITUDE	10. ANGULAR VELOCITY	11. PHOTOS
140°	46,300'	___ ° per second	☐ Yes ☑ No

12. TYPE OF OBSERVATION	13. LENGTH OF TIME OBSERVED	14. MANEUVERS
~~visual~~ radar	9 minutes	

15. CONCLUSIONS

One unidentified radar blip observed while wea. observers were tracking a balloon w/5 ft of al. foil attached. Alt of balloon at time of sighting - 55,000'. Est. alt of obj - 46,300'.

UNSOLVED.

16. COMMENTS

1) no A/C in area

2) experienced observers

3) check w/Asheville will be made for adiabatic charts.

4) object seemed to be falling w/wind

(1) There is a ~~slight~~ poss. that part of the al. foil became detached from the balloon & was falling w/the wind.

AFIC Form 329 (Rev 27 May 52)