1. DATE - TIME GROUP 15 Cotobor 53 15/16107	2. LOCATION
TO CONTROL TO TOLICA	Linneapolis, Linnesota
3. SOURCE	10. CONCLUSION
Civilians	ULID LI FIED
4. NUMBER OF OBJECTS	
One	
S. LENGTH OF OBSERVATION	11. BRIEF SUMMARY AND ANALYSIS
40. Seconds	Three Res on incors observed a white stoke or velor trail at
6. TYPE OF OBSERVATION	40-50,000 ft, while traciant a 79 ft balloon at 73.000 %
Ground-Visconi	through theodolita. Object moved in horizontal flight for approx 30 sacs at a rate of 10 deg per 7 seconds (est 900 mph)
7. COURSE	than began vertical dive lastin 10-15 seconds. During the
5.3	DUJUCT THE Visible Soveral times appearing to clow
	leveled off smoke trails censed. Observation made from roof of General Hills Laboratory.
15 Oct   1	inneapolis fireball -5
	considered to be countered to be countered as a necession of car angunder a in
9. PHYSICAL EVIDENCE	considered to be completely reliable. The other two sources are also considered reliable. The nearest ACAN facility was inoperate
D Yes	et the time of the sighting. The F-66 a/c were in the area 321
ZX No	of linneapolis at time of observation but this does not correlate

Report to: Air Intelligence Service Squadron, Flight 2A

SIGHTING OF UNIDENTIFIED OBJECT

The sighting described below took place during the theodolite tracking of a 79 ft. balloon floating at approximately 80,000 ft. on Project 85021 - Grab Bag. Observation was made from the roof at 2003 East Hennepin Avenue.

The time was between 1010 and 1015 CST on 15 Oct. 53. No sound was detected at any time during the observation.

The object was first observed as it passed below the sun at an elevation of approximately 25° heading southward in horizontal flight. It was detectable by a smoke or vapor trail which extended some distance behind it, but which did not persist, or form a cloud. The object itself was not visible even through the theodolite during the first part of the sighting.

During the horizontal part of its trajectory, the object moved across the sky at a rate of 10 degrees in 9 seconds. With an estimated altitude of 40,000 ft., this represents 15 miles per minute or 900 miles per hour.

After about 10 seconds of horizontal flight, the object appeared to go into a vertical dive. The possibility that the appearance of a dive was produced by the object merely receding into the distance seems unlikely since the speed normal to the line of sight was undiminished in the dive. The dive lasted for from 10 to 15 seconds at the end of which time the object was visible two or three times as it appeared to glow or reflect the light of the sun for perhaps a second at a time. Just at this time the vapor trail ceased, and for a second or two thereafter the object, its outlines still unrecognizable, was seen through the theodolite, not as a glare of (reflected?) light, but as a grey mass in the act of levelling off. Its size in the theodolite field was of the same magnitude as the 79 ft. balloon, which means that, since it was nearer, it would not be that large.

The observers believe that the object was most likely a jet aircraft, but several features were unusual.

- 1. The speed was higher than normally observed.
- 2. The vertical dive was a highly dangerous if not suicidal maneuver.
- 3. A jet aircraft in such a dive would be heard for miles, and would certainly cause a noticeable shock wave detectable in the area beneath it.
- 4. Vapor trails do not ordinarily occur during vertical motion (per Col. Shomo), though smoke trails could, of course.

It was thought that the Air Defense Command would be interested in what was seen, if

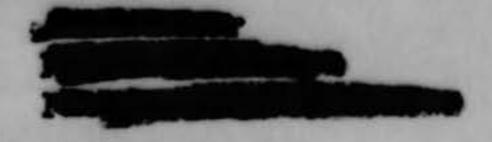
- a. They had no aircraft in the vicinity which could account for it, or if
- b. They had an aircraft accident which might be partly explained by this report.

Therefore, the above information was reported to:

Col. Shomo
Director of Combat Operations
31st Air Division
Telephone: Parker 9501, Ext. 7 or 8

the same morning.

Observers were:



FIB/mjm

# U.S. AIR FORCE TECHNICAL "INFORMATION SHEET

This questionnaire has been prepared so that you can give the U.S. Air Force as much information as possible concerning the undentified aerial phenomenon that you have observed. Please try to answer as many questions as you possibly can. The information that you give will not be used for research purposes, and will be regarded as confidential material. Your name will not be used in connection with any statements, conclusions, or publications without your permission. We request this personal information so that, if it is deemed necessary, we may contact you for further details.

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1. When di	d you see the	object?	. Time of day:	10	10-15
15	n	1953		Hour	Minutes
	OCT	1100	( Circle One )	(A-M)	or P.M.
Day	Month	Year	, 021020 0110 ,		•
3. Time zone					
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		(b. Central)			aht Saving
		d. Pacific		b. Stand	ara)
		e. Other			
		com the object			
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Mearest	Postal Addres	s City o	r Town . St	ate or Co	untry .
Nearest Additional r	Postal Addres	on the no	r Town St	ate or Co	lite on a fello
			1 0	ate or Co	
		saw the object.			20-25
5. Estimate	how long you	saw the object.	Hours Mi	nutes	20 - 25 Seconds
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Q.2 #2

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724		-
2-9	OP	

8.1 STARS (Circle one)  A. None b. Many b. A few c. Don't remember  Don't remember  S. Was the object brighter than the background of the sky?  (Circle one)  A. Yes b. No c. Don't remember  10. If it was BRIGHTER TFAN the sky background, was the brightness like the of an automobile headlight? (Circle one)  A. A mile or more away (a distant car)?  b. Several blocks away?  c. A block away?  d. Several yards away  e. other? The block for each question)  a. Appear to stand still at any time? Yes ho Don't know b. Suddenly speed up and rush away at any time?  c. Break up into parts or explode? Yes ho Don't know Don't know for the company of the comp		hat did you no			and the second s		erning the ST	0
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c. Change brightness? f. Change shape? g. Flicker, throb, or pulsate?  12. Did the object move behind something at anytime, particular a cloud? (Circle one) Yes No Don't know IF YOU answered YES, then tell what it moved behind:  13. Did the object appear: (Circle one) a. Solid? b. Transparent? c. Don't know IF YOU answered YES, then tell what it moved in front of something at anytime, particularly a cloud? (Circle one) Yes No Don't know IF You answered YES then tell what it moved in front of:  15. Did you observe the object through an of the following?  a. Eyeglasses? Yes No e. Binoculars? Yes No b. Sun classes? Yes No f. Telescope? Yes No c. Windshiele? Yes No g. Theodolite? Yes No		Don't know	Ne	Yes				
c. Change brightness? f. Change shape? g. Flicker, throb, or pulsate?  12. Did the object move behind something at anytime, particular a cloud? (Circle one) Yes No Don't know IF YOU answered YES, then tell what it moved behind:  13. Did the object appear: (Circle one) a. Solid? b. Transparent? c. Don't know IF YOU answered YES, then tell what it moved in front of something at anytime, particularly a cloud? (Circle one) Yes No Don't know IF You answered YES then tell what it moved in front of:  15. Did you observe the object through an of the following?  a. Eyeglasses? Yes No e. Binoculars? Yes No b. Sun classes? Yes No f. Telescope? Yes No c. Windshiele? Yes No g. Theodolite? Yes No	propert	Don't know	No	Yes	r explode?	parts		
e. Change brightness? f. Change shape? g. Flicker, throb, or pulsate?  12. Did the object move behind something at anytime, particular a cloud? (Circle one) Yes No Don't know IF YOU answered YES, then tell what it moved behind:  13. Did the object appear: (Circle one) a. Solid? b. Transparent? c. Don't know IF YOU answered YES, then tell what it moved in front of something at anytime, particularly a cloud? (Circle one) Yes No Don't know IF You answered YES then tell what it moved in front of:  15. Did you observe the object through an of the following?  a. Eyeglasses? Yes No e. Binoculars? Yes No b. Sun glasses? Yes No f. Telescope? Yes No c. Windshiele? Yes No g. Theodolite? Yes No	revape	Don't know	No	(Yes)			and the same of th	
g. Flicker, throb, or pulsate?  12. Did the object move behind something at anytime, particular a cloud?  (Circle one) Yes (No) Don't know IF YOU answered YES, then tel what it moved behind:  13. Did the object appear: (Circle one) a. Solid? b. Transparent? c. Don't know IF You answered YES, then tel what it moved in front of something at anytime, particularly a cloud? (Circle one) Yes (No) Don't know IF You answered YES then tell what it moved in front of:  15. Did you observe the object through an of the following?  a. Eyeglasses? Yes No e. Binoculars? Yes No b. Sun glasses? Yes No f. Telescope? Yes No c. Windshiele? Yes No g. Theodolite? Yes No		Don't know	No	(Yes)		ness?	Change bright	
12. Did the object move behind something at anytime, particular a cloud?  (Circle one) Yes No Don't know IF YOU answered YES, then tell what it moved behind:  13. Did the object appear: (Circle one) a. Solid? b. Transparent? c. Don't had been to be a solid? b. Transparent? c. Don't had been to be a solid? b. Transparent? c. Don't had been to be a solid? b. Transparent? c. Don't had been to be a solid? b. Transparent? c. Don't had been to be a solid? b. Transparent? c. Don't had been to be a solid? b. Transparent? c. Don't had been to be a solid? b. Transparent? c. Don't had been to be a solid? b. Transparent? c. Don't had been to be a solid? b. Transparent? c. Don't had been to be a solid? b. Transparent? c. Don't had been to be a solid? b. Transparent? c. Don't had been to be a solid? b. Transparent? c. Don't had been to be a solid? b. Transparent? c. Don't had been to be a solid? b. Transparent? c. Don't had been to be a solid? b. Transparent? c. Don't had been to be a solid? b. Transparent? c. Don't had been to be a solid. b. Transparent? c. Don't		Don't know	No	Yes			Change shape?	
(Circle one) Yes No Don't know IF YOU answered YES, then tell what it moved behind:  13. Did the object appear: (Circle one) a. Solid? b. Transparent? c. Don't have the property of the arguments in the property of the prop		Don't know	(No	Yes	lsate?	b, or p	Flicker, thro	
14. Did the object move in front of something at anytime, particularly a cloud? (Circle one) Yes (No) Don't know IF You answered YES then tell what it moved in front of:  15. Did you observe the object through an of the following?  a. Eyeglasses? Yes No e. Binoculars? Yes No b. Sun classes? Yes No f. Telescope? Yes No c. Windshield? Yes No g. Theodolite? (Yes) No						8 No	rcle one) Ye	
cloud? (Circle one) Yes No Don't know IF You answered YES then tell what it moved in front of:  15. Did you observe the object through an of the following?  a. Eyeglasses? Yes No e. Binoculars? Yes No b. Sun classes? Yes No f. Telescope? Yes No c. Windshield? Yes No g. Theodolite? Yes No								
a. Eyeglasses? Yes No e. Binoculars? Yes No b. Sun glasses? Yes No f. Telescope? Yes No c. Windshield? Yes No g. Theodolite? (Yes) No					Yes (No)	one)	ud? (Circle	
a. Eyeglasses? Yes No e. Binoculars? Yes No b. Sun glasses? Yes No f. Telescope? Yes No c. Windshield? Yes No g. Theodolite? (Yes) No								
b. Sun glasses? Yes No f. Telescope? Yes No c. Windshield? Yes No g. Theodolite? (Yes) No		i ng?	ollowi r	of the	ct through a	the ob;	you observe	15.
b. Sun glasses? Yes No f. Telescope? Yes No c. Windshield? Yes No g. Theodolite? (Yes) No		No	Yes	ocularsi	o e. B	Yes	Everlasses?	
c. Windshield? Yes No g. Theodolite? (Yes) No					100 PER 100 PE	and the same of th		
		) No	(Yes)	odolite	o g. T	- 22		
d. Windowglass? Yes No h. Other?			-	erf	o h- 0	-		

the party of the state of the s

a. Sound	Highly reflective in slowing	
7. Draw a post and includes wings trails.	icture that will show the shape of ide in your sketch any details of protrusions, etc., and especial Place and arrow beside the drawing moving.	the object or objects. Label the object that you saw such ly exhaust trails or vapor
AND I	troid being generated	
	one) a. Fuzzy or blurred b. Like a bright star e. Other	c. Sharply outlined d. Don't remember
Draw a p	was MORE THAN ONE object, then hickure of how they were arranged, at that they were traveling.	now many where there? and put an arrow to show the

..

Draw a picture that will show the motion that the object or objects made. Place an "A" at the begining of the path, a "B" at the end of the path, and show any changes in direction during the course.

Dec 17. pierse.

21. IF POSSIBLE, try to guess or estimate what the real size of the object was in its longest dimension. 40-50 feet. werey pour data for Tities value

22. How large did the object or objects appear as compared with one of the following objects held in the hand and at about arm's length?

( Circle One) a. Head of a pin

b. Pea

c. Dime

d. Nickel

e. Quarter

f. Half dollar

g. Silver dallar

h. Baseball

i. Grapefruit

j. Basketball

k. Other Jean through theodolete The offect appeared about the same sage

22. 1 (Circle One of the following to indicate how certain you are of your as the callen (79 jt) but was chosen, answer to Question 22. me believe.

a. Cortain b. Fairly certain c. Not very sure

d. Uncertain

23. How did the object or objects disappear from view?

For a second or two after it sleshed at the moment that the proper (3) trail stronged, it! The theodolite as a some made without clear outlines

24. In order that you can give as clear a picture as possible of what you saw, we would like for you to imagine that you could construct the object that you saw. Of what type material would you make it? How large would it be, and what shape would it have? Describe in your own words a common object or objects which when placed up in the sky would give the same appearance as the object which you saw.

The object itself was never seen clearly enough to make possible any asseres to This grestion.

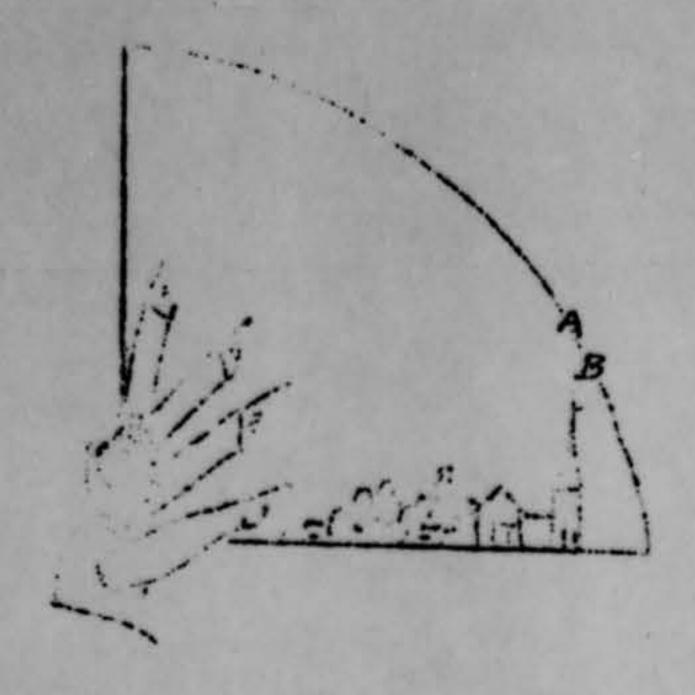
degrees

When it disappeared:

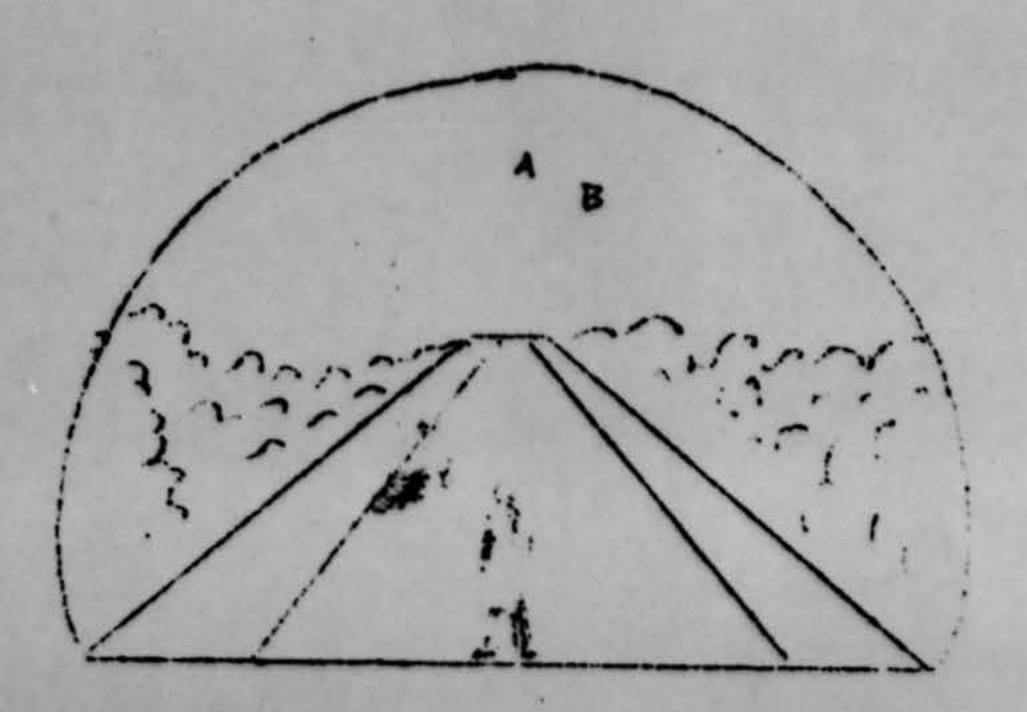
b. From horizon

a. From true North 150

32. In the following sketch, imagine that you are at the point shown. Place and "A" on the curved line to show how high the object was above the horizon (skyline) whe you first saw it. Place a "B" on the same curved line to show how high the object was above the horizon (skyline) when you last saw it.



33. In the following sketch place an "A" at the position the object was when you first saw it, and a "B" at its position when you lest saw it.



34. What were the weather conditions at	the time you saw the object?
34.1 CLOUDS (Circle one)	34.2 WIND (Circle one)
· (	
b. Hazy some haze in lou	a. No wind
Sant Jome nage in con	p. Slight breeze
c. Scattered Clouds	.c. Strong wind
d. Thick or heavy clouds e. Don't remember	d. Don't remember
	34.4 TEMPERATURE (Circle one)
34.3 WEATHER (Circle one)	
(a. Dry)	a. Cold
b. Fog, mist, or light rain	b. Cool
c. Moderate or heavy rain	c. Warm
d. Snow	d. Hot
e. Don't remember	e. Don't remember
35. When did you report to some off	ficial that you had seen the object?
15 Oct.	1453
DAY MONTH	YEAR
36. Was anyone else with you at the	time you saw the object?
(Circle one) (Yes) NO	
. 36.1 IF you answered YES, did t	they see the object too? (Yes) No
36.2 Please list their names an	nd addresses:
	Minneapolis, Minn.
37. Was this the first time that wo	u had seen an object or objects like
this? Yes (No)	a ma seen an object of objects like
37-1 TF wan answers NO then	han whom and under what admin
stances did you see other	then, where, and under what circum-
A A O	ones.
A plane claring a va	por waie, or a very wine
appears much like the	observed phenomenon, but
the performance was unique	me.
38. In your opinio what do you thin	the object was and what might have
caused it? /	# 11: 4 : 4: 4: 4: 4: 4: 4: 4: 4: 4: 4: 4: 4
38. In your opinio what do you thin caused it? In my opinion,	The offer was uses a 100
anicraft, which went-fast	ter and through different
maneuvers then are u	snally associated with jeta, or
it was some object with	which I am not tamilias.
and cannot imagine in de	tail
me many me in a	au.

42. Date you completed this questionnaires

Day Nonth Year

23 nor 53 19 26 2 ()

Which assiries

UPB170

YMADE30

JEDNG 339

RR JEDEN JEDKF JEDWP JEPHO 444

DE JEDNG GIGA

R 231715Z ZNJ

IN COMDR 31ST AIR DIV ST PAUL MINN

TO JEPHQ/DIRECTOR OF INTELLIGENCE HQ USAF WASH 25 DC

JEDWP/AIR TECHNICAL INTELLIGENCE CENTER WRIGHT PATTERSON AFB OHIO -

INFO JEDEN/COMDR ADC ENT AFB COLORADO SPRINGS COLO

JEDKF/COMDR CADF KANSAS CITY MISSOURI

A FLYOBRPT PD REF AFL 200-5 PD FOLLOWING DATA IS SUBMITTED FOR YOUR INFO PD (1) SMOKE OR VAPOR TRAIL EMANATING FROM UNDETERMINED SOURCE SIGHTED AT 40,020 TO 50,000 FT BY THREE RESEARCH ENGINEERS WHILE TRACKINA A 79 FT BALLOON AT 73,000 FT PD SIZE OF OBJECT APPEARED TO BE OF SAME MAGNITUDE AS BALLOON IN THEODOLITE FIELD PD TRAIL WAS WHITE PD NO SOUND PD OBJECT MOVED IN HORIZONTAL FLT FOR APPROX 30 SEC AT A RATE OF 10 DEG PER 9 SEC PD EST SPEED CLN 900 MPH PD OBJECT BEGAN VERTICAL TWE LASTING 10 TO 15 SEC PD DURING DIVE OBJECT WAS VISIBLE SEVERAL THESE APPEARING TO GLOW PD AS OBJECT LA FILLED FROM DIVE SMOKE TRAILS

And or other Planning our, Reston 1, sens, 9, 5, 3,

#### U. S. AIR FORCE TECHNICAL INFORMATION SHEET

## (SUMMARY DATA)

In order that your information may be filed and coded as accurately as possible, please use the following space to write out a short description of the event that you observed. You may repeat information that you have already given in the ouestionnaire, and add any further comments, statements, or sketches that you believe are important. Try to present the details of the observation in the order in which they occurred. Additional pages of the same size paper may be attached if they are needed.

NAME (Please Print)

SIGNATURE

DATE 21 October, 1953

(Do not Write in This Space)
CODE:

See attached report.

Left out in this report is the fact that the trail was similar to that of a comet, that is, it remained constant in length, dissipating at its reserved and as it moved across.

## U.S. AIR FORCE TECHNICAL INFORMATION SHEET

This questionnaire has been prepared so that you can give the U.S. Air Force as much information as possible concerning the undentified aerial phenomenon that you have observed. Please try to answer as many questions as you possibly can. The information that you give will not be used for research purposes, and will be regarded as confidential material. Your name will not be used in connection with any statements, conclusions, or publications without your permission. We request this personal information so that, if it is deemed necessary, we may contact you for further details.

1. When did	you see the	object?	2. Time of	lay: ./0	10
				Hour	Minutes
-13	Oct	1953	( Circle Or	e) (A.M.	or P.M.
Day	Month	Year			
. Time zone:					
	( Circle One	) a. Eastern		ircle One)	
		c. Mountain		b. Stand	ght Saving
		d. Pacific		Co. Doang	
		e. Other			
. Where were	von when vo	u saw the obje	act?		
. Wiles were	you when yo	u saw one ouj			
		MI	NNCAPOLIS	MINI	<i>v</i> .
Nearest	Postal Addres	s City	or Town	State or Co	untry
					***
Additional re	marks: 0~	ROOF OF			***
		saw the object	= 4 STORY		***
			= 4 STORY		45-55
5. Estimate	how long you		Hours	Minutes	45-55 Seconds
5. Estimate 5. 1 Circle	how long you one of the fo to Question 5	saw the object	Hours dicate how cer	Minutes tain you are	45-55 Seconds
5. Estimate 5. 1 Circle	how long you one of the fo to Question 5 a. Cert	saw the object	Hours dicate how cer	Minutes tain you are very sure	45-55 Seconds
5. Estimate 5. 1 Circle	how long you one of the fo to Question 5	saw the object	Hours dicate how cer	Minutes tain you are	45-55 Seconds
5. Estimate  5. 1 Circle answer  6. What was	how long you one of the forto Question 5 a. Cert	llowing to inclain  of the sky?	Hours licate how cer c. Not d. Just	Minutes tain you are very sure a guess	Seconds of your
5. Estimate  5. 1 Circle answer  6. What was	the condition cle One) a B	llowing to include ain  of the sky?  Fight daylight	Hours licate how cer d. Just	Minutes tain you are very sure a guess a trace of d	Seconds of your
5. Estimate  5. 1 Circle answer	the condition cle One) a B	llowing to include ain  of the sky?  Fight daylight	Hours licate how cer c. Not d. Just e. No t	Minutes tain you are very sure a guess a trace of d race of dayli	Seconds of your
5. Estimate  5. 1 Circle answer	the condition cle One) a B	llowing to include ain  of the sky?  Fight daylight	Hours licate how cer c. Not d. Just e. No t	Minutes tain you are very sure a guess a trace of d	Seconds of your
5. Estimate  5. 1 Circle answer  6. What was (Cir	the condition cle One) a. B. Cert	llowing to include ain  of the sky?  Fight daylight right twilight	Hours icate how cer c. Not d. Just e. No t f. Don'	Minutes tain you are very sure a guess a trace of d race of dayli t remember	Seconds of your aylight ght
5. Estimate  5. 1 Circle answer  6. What was (Circle answer)	the condition cle One) a B	ain  of the sky?  Fight daylight  right twilight  right twilight	Hours icate how cer c. Not d. Just e. No t f. Don'	Minutes tain you are very sure a guess a trace of d race of dayli t remember	Seconds of your aylight ght
5. Estimate  5. 1 Circle answer  6. What was (Circle answer)	the condition cle One) a B	ain  of the sky?  Fight daylight  right twilight  right twilight	Hours licate how cer  c. Not d. Just e. No t f. Don'	Minutes tain you are very sure a guess a trace of d race of dayli t remember  or DAWN, where	Seconds of your aylight ght
5. Estimate  5. 1 Circle answer  6. What was (Circle answer)	the condition cle One) a B	ain  of the sky?  Fight daylight  right twilight	Hours licate how cer  c. Not  d. Just  e. No t  f. Don'  T, TWILIGHT,  ect?  d. To	Minutes tain you are very sure a guess a trace of d race of dayli t remember	Seconds of your aylight ght

Just #4

IF you saw the object at NIGHT, TWILIG concerning the STARS and MOON?	GHT, or DAWN, what did you notice
8.1 STARS (Circle one)	8.2 MOON (Circle one)
p. None b. Many b. A few c. Don't remember	a. Bright moonlight b. Dull moonlight c. No moonlight — pitch black d. Don't remember
Was the object brighter than the backg	ground of the sky?
(Circle one) (Yes b. No	c. Don't remember
IF it was BRIGHTER THAN the sky back of an automobile headlight? (Circle a. A mile or more away (a distant car b. Several blocks away?	Le one)
c. A block away?	AT? WHITE BILLOWING TRAIL
	(Circle One for each question)
<ul> <li>a. Appear to stand still at any time?</li> <li>b. Suddenly speed up and rush away at any time?</li> <li>c. Break up into parts or explode?</li> <li>d. Give off smoke?</li> <li>e. Change brightness?</li> <li>f. Change shape?</li> <li>g. Flicker, throb, or pulsate?</li> </ul>	
Did the object move behind something (Circle one) Yes No Don't know what it moved behind:	
Did the object appear: (Circle one)	a. Solid? b. Transparent? o. Don't know
Did the object move in front of someth cloud? (Circle one) Yes No then tell what it moved in front of:	
Did you observe the object through an	of the following?
b. Sun glasses? Yes No f. Tel	noculars? Yes No No No her?
	concerning the STARS and MOON?  8.1 STARS (Circle one)  A. None b. Many b. A few c. Don't remember  Was the object brighter than the back.  (Circle one) (Yes) b. No  IF it was BRIGHTER THAN the sky back of an automobile headlight? (Circle one and automobile headlight? (Circle one and and start can be several blocks away?  C. A block away?  d. Several yards away e. other  Did the object:  a. Appear to stand still at any time?  b. Suddenly speed up and rush away at any time?  C. Break up into parts or explode?  d. Give off smoke?  e. Change brightness?  f. Change shape?  g. Flicker, throb, or pulsate?  Did the object move behind something (Circle one) Yes No Don't know what it moved behind:  Did the object move in front of something (Circle one) Yes No Don't know what it moved behind:  Did the object move in front of something (Circle one) Yes No Don't know what it moved behind:  Did the object move in front of something (Circle one) Yes No Don't know what it moved behind:  Did you observe the object through are a. Eyeglasses? Yes No E. Bit Sun classes? Yes No

	Page 3
16.	Tell in a few words the following things about the objects  a. Sound None
	b. Color Object Not Discernage , TRAIL WHITE
17.	Draw a picture that will show the shape of the object or objects. Label and include in your sketch any details of the object that you saw such as wings, protrusions, etc., and especially exhaust trails or vapor trails. Place and arrow beside the drawing to show the direction the object was moving.
	SEE ATTREHED SKETCH
18.	The edges of the object were:
	(Circle one) a. Fuzzy or blurred c. Sharply outlined b. Like a bright star d. Don't remember e. Other Nor Seen
19.	IF there was MORE THAN ONE object, then how many where there?  Draw a picture of how they were arranged, and put an arrow to show the direction that they were traveling.

..

20. Draw a picture that will show the motion that the object or objects made. Place an "A" at the begining of the path, a "B" at the end of the path, and show any changes in direction during the course.

VERTICAL PLANE

21. IF POSSIBLE, try to guess or estimate what the real size of the object was in its longest dimension. feet.

22. How large did the object or objects appear as compared with one of the

following objects held in the hand and at about arm's length?

(Circle One) a. Head of a pin g. Silver dallar

b. Pea c. Dime h. Baseball i. Grapefruit

d. Nickel

j. Basketball

e. Quarter

f. Half dollar

k. Other Orseer Nor Descennesses with MAKED ETE

22. 1 (Circle One of the following to indicate how certain you are of your answer to Question 22.

a. Certain

c. Not very sure

b. Fairly certain

d. Uncertain

23. How did the object or objects disappear from view? YARDR OR Smeke TRAIL GRADUALLY DISSIPATED AND DISSAPPENZED.

24. In order that you can give as clear a picture as possible of what you saw, we would like for you to imagine that you could construct the object that you saw. Of what type material would you make it? How large would it be, and what shape would it have? Describe in your own words a common object or objects which when placed up in the sky would give the same appearance as the object which you saw.

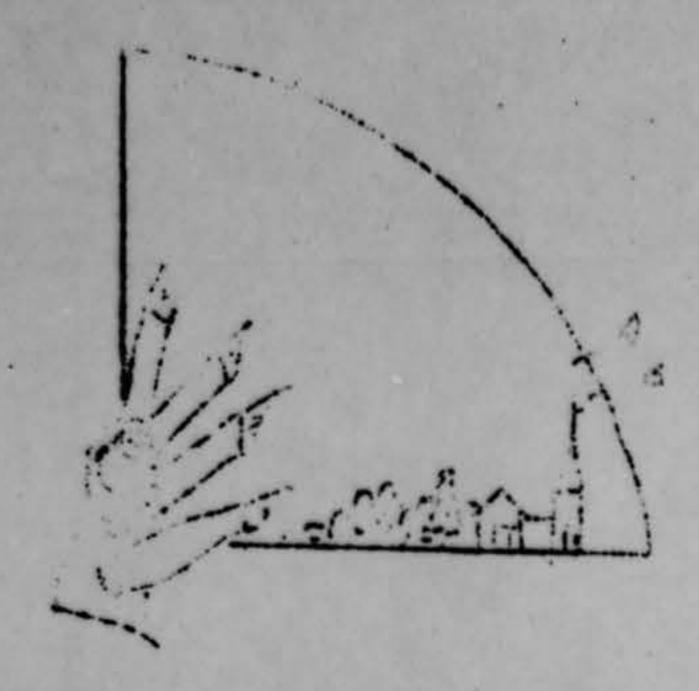
		Page 5
25.	Where were you located when you set the object? (Circle one)  a: Inside a building  b. In a car  c. Outdoors  d. In an airplane  e. At sea  f. Other	a. In the business section?  b. In the residential section?  e. In open countryside?  d. Flying near an airfield?  e. Flying over open contry?  f. Flying over a city?  g. Other
27.		BRICOON (79 FT. DIAM 74,000 FT.)  BEHIND BLOG. STRUCTURE AND PASSED IN VICE
28.	28.1 What direction were you move a. North c. East b. Northeast d. Southeas 28.2 How fast were you moving?	or other vehicle at the time, then ring? (Circle one)  e. South f. West g. Northwest
29.	What direction were you looking who a. North c. East b. Northeast d. South ex	en you first saw the object? (Circle one)  ast f. South west g. Northwest
30.	What direction were you looking who a. North c. East b. Northwest d. Southeas	en you last saw the object? (Circle one)  e. South  f. West  g. Northwest
		150 degrees.

31.2 When it disappeared:

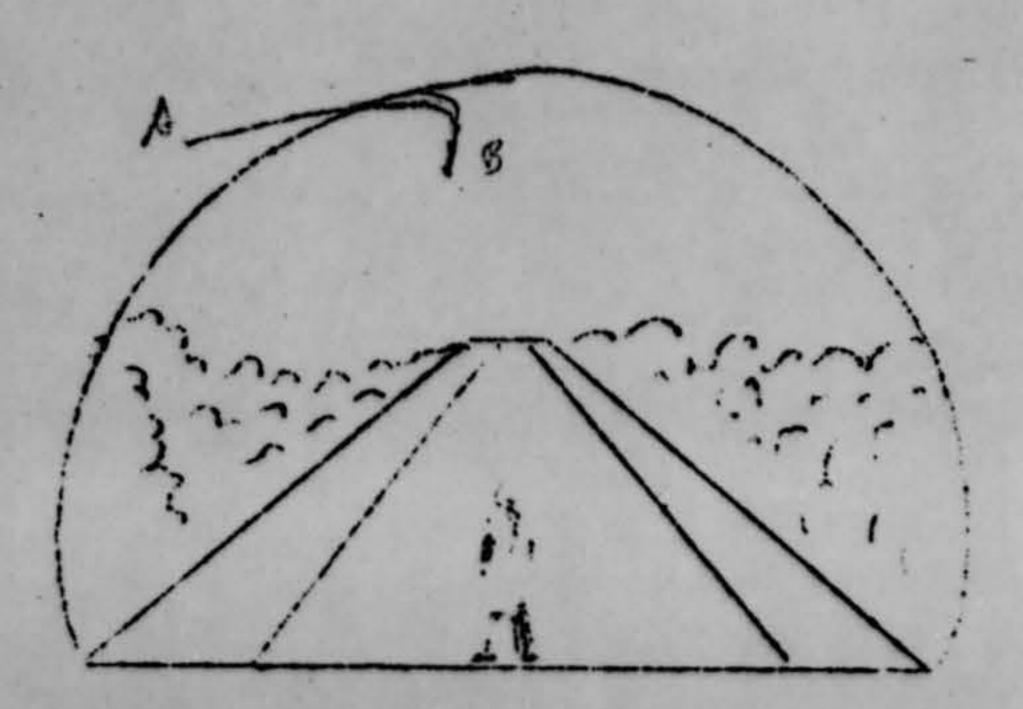
a. From true North 175-180 degrees.

b. From horizon 18-20 degrees

32. In the following sketch, imagine that you are at the point shown. Place and "A" on the curved line to show how high the object was above the horizon (skyline) whe you first saw it. Place a "B" on the same curved line to show how high the object was above the horizon (skyline) when you last saw it.



33. In the following sketch place an "A" at the position the object was when you first saw it, and a "B" at its position when you last saw it.



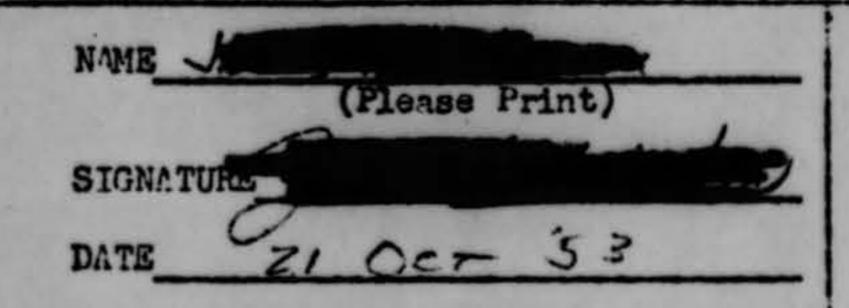
	Page 7
34. What were the weather conditions at	the time you saw the object?
34.1 CLOUDS (Circle one)	34.2 WIND (Circle one)
a Clear sky	a. No wind
b. Hazy	& Slight breeze
c. Scattered Clouds	c. Strong wind
d. Thick or heavy clouds	d. Don't remember
e. Don't remember	
	34.4 TEMPERATURE (Circle one)
34.3 WEATHER (Circle one)	
(A. Dry)	a. Cold
b. Fog, mist, or light rain	b. Cool
c. Moderate or heavy rain	C. Warm
d. Snow	d. Hot
e. Don't remember	e. Don't remember
DAY  When did you report to some offi  DAY  MONTH  Y	icial that you had seen the object?  195 3 EAR .
36. Was anyone else with you at the to (Circle one) Yes NO  36.1 IF you answered YES, did the	ey see the object too? (Yes No
36.2 Please list their names and	
FLETENER. BA	gr 7 Hotomew
RICHARD REI	
MICHARD RE	
this? (Yes No	had seen an object or objects like en, where, and under what circum-
stances did you see other	ones?
38. In your opinio what do you thin t	the object was and what might have
OBJECT APPEADED TO BE A VA	POR TRAIL, EXCEPT THAT
IT DISSIPATED RAPIDLY. TI	RAIL WAS CAUSED BY A
METALLIE OBJECT WHICH GEIN	
BEFORE THE "VAPOR TRAIL" DISSI	
JET PERFORMANCE EXCEPT FOR 6	Extreme SPEED IN BOTH HORIZONTO

DNO VERTICAL MOTION.

#### U. S. AIR FORCE TECHNICAL INFORMATION SHEET

# (SUMMARY DATA)

In order that your information may be filed and coded as accurately as possible, please use the following space to write out a short description of the event that you observed. You may repeat information that you have already given in the ouestionnaire, and add any further comments, statements, or sketches that you believe are important. Try to present the details of the observation in the order in which they occurred. Additional pages of the same size paper may be attached if they are needed.



(Do not Write in This Space)
CODE:

WHILE OBSERVING A BALLOON (ALT 74,000 FT) A WHITE TRAIL APPEARED IN THE SEY COMING FROM BEHNO PART OF THE BUILDING STRUCTURE (ROOF OF BLOG.) IT FIRST EPPEARED TO BE SWONE WRITINE, BUT VELOCITY WAS TOO GREAT, SO WE ASSUMED IT TO BE A VAPOR TRAIL FROM A JET. THE END OF THE SMOKE TRAIL DISSIPHTED AS RAPIDLY AS THE BEGINNING WAS FORMORD : THE LENGTH REMAINING ABOUT CONSTRUT AND EQUAL TO ABOUT 5-8° INAZIMUTA. AS TRAJECTORY STARTED DOWNWARD IT WAS AT FIRST ASSUMED THAT THE OBJECT WAS MOVING A WAY From Us. THEN THE VERTICAL MONEMENT BELAME VERY RAPIO PROBABLY ABOUT AS FAST AS THE HORIZONTAL VELOCITY. AS THE DESECT MOVED DOWNWARD, THE TRAIL BECAME LESS & LESIS DISTINGT AND FINALLY, AS THE OBJECT APPENDED TO BEGIN LEVELING DUT, THE TRAIL DISSIPATED COMPLETELY. AT THIS SAME TIME TWO FLASHES WERE SEEN, WHICH WE ASSUMED TO BE REFLECTIONS FROM THE SON AS THE OBJECT ROCLED ABOUT 1TS LONGITUDINAL AXIS. THIS COULD BE

EXPECTED FROM MANEUSERS IN A CONVENTIONAL CRAFT.

GRASED PD AT THIS TIME OBJECT APPEARED AS A GREY MASS THROUGH THE THEODOLITE PO OBJECT DISAPPEARED IN A FLASH SIMILAR TO HIRROR REFLECT-ING, SUNLIGHT PD AT NO TIME DID SHOKE TRAIL PERSIST PD TRAIL FOLLOWED OBJECT IN MANNER OF A COMET PD (2) OBJECT SIGHTED BETWEEN 1010 AND 1915S 15 OCT 53 PD DURATION OF OBSERV APPROX 4% SEC PD (3) OBSERV MADE TROM ROOF OF GENERAL MILLS LAB THROUGH THEODOLIE PD (4) LAB ADDRESS CLN 2003 E HENNIPIN AVE CMA ST PAUL CMA MINN PD OBJECT OBSV OVER FT SNELLING (APPROX 12 HILE SOUTH) PD OBJECT HEADING SE DIR PD (5) EVAL OF INFO CLN A-2 PD INFO ON OPSVRS CLU F CHA WHITE BEAR LAKE CHA MINN PD METEOROLOGICAL ENG CHA GRAD OF MIT CHA FORMER B-17 PILOT PD R SE CHA MPLS CHA MINN PD GEN MILL R&D ENGINEER PD TWO YRS POST GRAD WORK IN SUPERSONIC AERODYNAMICS PD PRIVATE PILOT PD CLN GEN HILLS RAD ENGINEER PD ST PAUL CMA MINN PD (6) WEATHER COND CLN VFR CMA CLR SKY CMA SLIGHT BREZE CHA WARM AND DRY PD (7) UDEETERMINED (8) NEGATIVE (9) COMBAT OPS CTR 31ST AIR DIV (DEF) RPTS NO UNIDENTIFIED OBJECTS AT TIME AND PLACE OF SIGHTING PD (10) EALLOON UNDER OBSEV BY ABOVE ENGINEERS IS ONLY KNOWN AIR TRAFFIC AT TIME OF SIGHTING PD END 23/1825Z OCT JEDNG



TINCTASSIFIED TO EGGI 100 93

THE QUESTIONABLE ASPECTS OF THE SIGHTING WERE THE DISSIPATION OF THE TRAIL - UNCOMMON FOR VAPOR TRAILS; AND THE APPREENT SPEED, ESPECIALLY VERTICAL SPEED. USING THE EXCUNTION ANGLE (2230) AND THE RATE OF ANGULAR TRAVEL (ADOUT 10 AZIMUTH PER SEC.) VELOCITIES CAN BE ESTABLISHED BY ASSUMING DIFFERENT ALTITUDES OR DISTANCES ANALTED THE OBJECT,

UNDER ASSUMPTIONS FROM 30,000 FT. TO SO,000 FT.

ALTITUDE, THE OBJECT WOULD HAVE BEEN TRAVELING

BETWEEN 800 & 1600 M.P.M. EVEN ACCOUNTS A COMFORTABLE

ZO 90 ERROR THE OBJECT WAS PROBABLY MOVING AT GREATER

THAN SONIC VELOCITY. VERTICAL MONEMENT OF THIS MAGNING

FOR 10-15 SEC. WOULD PROBABLY BE VERY DANGEROUS IN KNOWN

OPERATIONAL AIRCRAFT.

## U.S. AIR FORCE TECHNICAL INFORMATION SHEET

This questionnaire has been prepared so that you can give the U.S. Air Force as much information as possible concerning the undentified aerial phenomenon that you have observed. Please try to answer as many questions as you possibly can. The information that you give will not be used for research purposes, and will be regarded as confidential material. Your name will not be used in connection with any statements, conclusions, or publications without your permission. We request this personal information so that, if it is deemed necessary, we may contact you for further details.

1. When di	d you see the o	bject? 2.	Time of day:	10	10
,				Hour	Minute
		1955	( Circle One )	(A.M.	or P.M.
Day	Month	Year			
. Time some			/	- ~->	
	( Circle One	b. Central	(Circl		eht Saving
		c. Hountain	(	b. Stand	
		d. Pacific			
		e. Other			
. Where wer	e you when you	saw the object			
-			/_	Min	
-	The same of the sa	10/01	<u> </u>	عدد سعدات	
Mearest	Postal Address	City or	Town St	ate or Co	untry
		1 1 11	1. 11	/	
		1 1 11	dary 6/	1/2	
Additional r	emarks: 500	of of	diry bla	1/2-	40-0
Additional r		aw the object.	Miry 6/	nutes	Seconds
Additional r	how long you s	aw the object.	Hours Mi	nutes you are	Seconds of your
5. Estimate 5. 1 Circle	how long you s one of the fol	aw the object.	Hours Mi	you are	
Additional r 5. Estimate 5. 1 Circle	how long you s one of the foll to Question 5.	aw the object.	Hours Mi te how certain c. Not very	you are	
5. Estimate 5. 1 Circle	how long you s one of the foll to Question 5.	aw the object.	Hours Mi	you are	
Additional r	how long you s one of the folto Question 5.  a. Certa b. Fairl	aw the object.  lowing to indication  y certain	Hours Mi te how certain c. Not very	you are	
5. Estimate 5. 1 Circle answer	how long you s one of the foll to Question 5.	aw the object.  lowing to indicate in y certain of the sky?	Hours Mi te how certain c. Not very	you are	of your
5. Estimate 5. 1 Circle answer	how long you s  one of the folto to Question 5.  a. Certa b. Fairl  the condition role One) a. Br	aw the object.  lowing to indication  of the sky?  ight daylight  II daylight	Hours Minte how certain c. Not very d. Just a g	you are sure uess race of d of dayli	aylight
5. Estimate 5. 1 Circle answer	how long you s  one of the folto to Question 5.  a. Certa b. Fairl  the condition role One) a. Br	aw the object.  lowing to indication  of the sky?  ight daylight)	Hours Minte how certain d. Not very d. Just a g	you are sure uess race of d of dayli	aylight
5. Estimate 5. 1 Circle answer	how long you s  one of the folto to Question 5.  a. Certa b. Fairl  the condition role One) a. Br	aw the object.  lowing to indication  of the sky?  ight daylight  II daylight	Hours Minte how certain c. Not very d. Just a g	you are sure uess race of d of dayli	aylight
5. Estimate 5. 1 Circle answer ( Ci	how long you s one of the foll to Question 5.  a. Certa b. Fairl  the condition rele One) a. Br b. Du c. Br	aw the object.  lowing to indicate in y certain  of the sky? ight daylight ight twilight	Hours Minte how certain c. Not very d. Just a g	you are sure uess race of d of dayli member	aylight ght
7. If you s	how long you s one of the foll to Question 5.  a. Certa b. Fairl  the condition rele One) a. Br b, Du c. Br	aw the object.  lowing to indicate in y certain  of the sky? ight daylight ight twilight ight twilight	Hours Minte how certain c. Not very d. Just a g	you are sure uess race of d of dayli member	aylight ght
7. If you s sun loca	how long you s one of the foll to Question 5.  a. Certa b. Fairl  the condition rele One) a. Br b, Du c. Br	aw the object.  lowing to indicate in y certain  of the sky? ight daylight light twilight ight twilight ed at the object	Hours Minte how certain c. Not very d. Just a g	you are sure uess race of d of dayli member	aylight ght
7. If you s sun loca	how long you s  one of the folto to Question 5.  a. Certa b. Fairl  the condition rcle One) a. Br  b, Du c. Br  aw the object de ted as you look ircle One) a. I	aw the object.  lowing to indicate in y certain  of the sky? ight daylight ight twilight ight twilight	Hours Minte how certain c. Not very d. Just a g	you are sure uess race of d of dayli member	aylight ght

Ance # 3

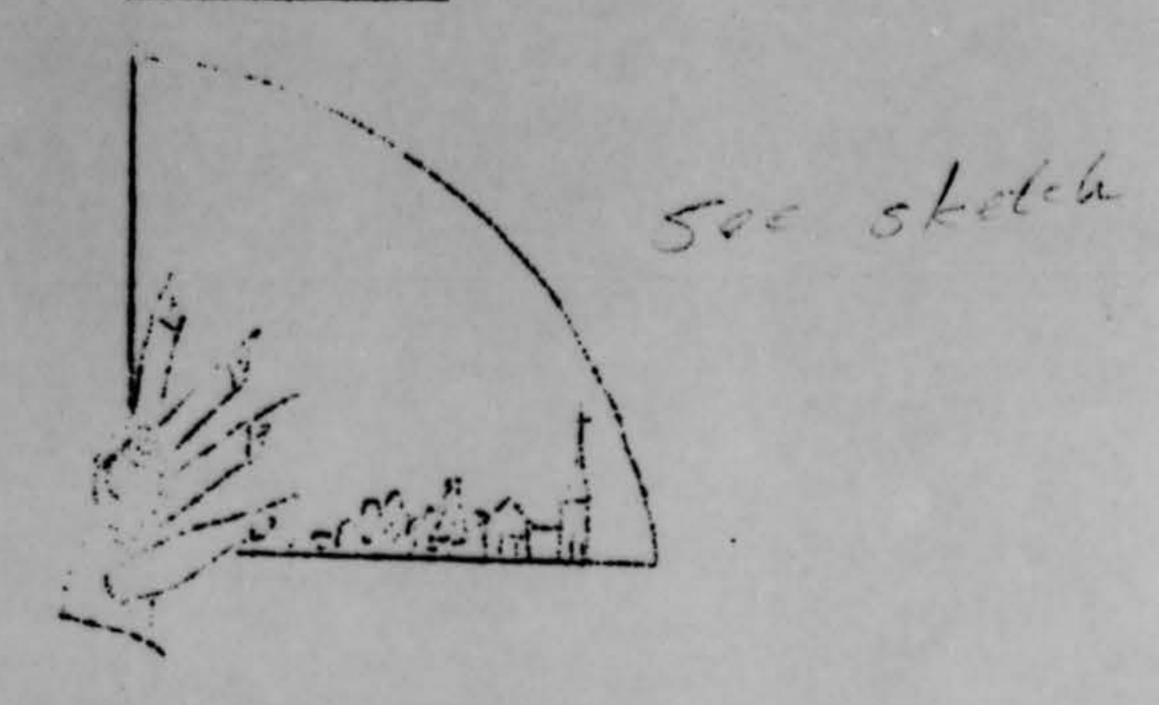
	IF you saw the object at N concerning the STARS and M	IGHT, TWILIGHT, or DAWN, what did you notice
	8.1 STARS (Circle one)	8,2 MOON (Circle one)
	a. None b. Many	a. Bright moonlight
	b. A few c. Don't re	
		c. No moonlight pitch black d. Don't remember
9.	Was the object brighter the	an the background of the sky?
	(Circle one) (a. Yes)	b. No c. Don't remember
10.	IF it was BRIGHTER THAN of an automobile headlight	the sky background, was the brightness like that (Circle one)
	a. A mile or more away (a	distant car)?
	b. Several blocks away?	
	d. Several yards away	e. other? Appeared as a smale froil
	us ceveral yards away	e. other.
14.	Did the object:	(Circle One for each question)
	a. Appear to stand still a	
	b. Suddenly speed up and	
	any time?	Yes No Don't know
	c. Break up into parts or	The state of the s
	d. Give off smoke?	Yes No Don't know
	e. Change brightness?	Yes No Don't know
	f (hansa shanay	Yes No Don't know
	f. Change shape?	
	g. Flicker, throb, or puls	
12.	g. Flicker, throb, or puls Did the object move behin	
12.	Did the object move behing (Circle one) Yes No what it moved behind:	nd something at anytime, particular a cloud?
	Did the object move behing (Circle one) Yes No what it moved behind:  Did the object appear: (C:	nd something at anytime, particular a cloud?  Don't know IF YOU answered YES, then tell  ircle one) a. Solid? b. Transparent? c. Don't know  ont of something at anytime, particularly a  solid one is now if you answered YES
13.	Did the object move behing (Circle one) Yes No what it moved behind:  Did the object appear: (Circle one) Yes cloud? (Circle one) Yes	nd something at anytime, particular a cloud?  Don't know IF YOU answered YES, then tell  ircle one) a. Solid? b. Transparent? c. Don't know  ont of something at anytime, particularly a  solid one is now if You answered YES
13.	Did the object move behing (Circle one) Yes No what it moved behind:  Did the object appear: (Circle one) Yes cloud? (Circle one) Yes then tell what it moved in	nd something at anytime, particular a cloud?  Don't know IF YOU answered YES, then tell  ircle one) a. Solid? b. Transparent? c. Don't know  ont of something at anytime, particularly a solid in the so
13.	Did the object move behing (Circle one) Yes No what it moved behind:  Did the object appear: (C:  Did the object move in free cloud? (Circle one) Yes then tell what it moved in the object appears of the object one)	nd something at anytime, particular a cloud?  Don't know IF YOU answered YES, then tell  ircle one) a, Solid? b. Transparent? c. Don't know  ont of something at anytime, particularly a les No Don't know IF You answered YES a front of:
13.	Did the object move behing (Circle one) Yes Now what it moved behind:  Did the object appear: (Circle one) Yes cloud? (Circle one) Yes then tell what it moved in front then tell what it moved in the object object.	nd something at anytime, particular a cloud?  Don't know IF YOU answered YES, then tell  ircle one) a. Solid? b. Transparent? c. Don't know  ont of something at anytime, particularly a les No Don't know IF You answered YES in front of:
13.	Did the object move behing (Circle one) Yes No what it moved behind:  Did the object appear: (Circle one) Yes cloud? (Circle one) Yes then tell what it moved in front then tell what it moved in the object appears of the object appears.	nd something at anytime, particular a cloud?  Don't know IF YOU answered YES, then tell  ircle one) a. Solid? b. Transparent? c. Don't know  ont of something at anytime, particularly a les No Don't know IF You answered YES a front of:  t through an of the following?  e. Binoculars? Yes No

	Like 2
16.	Tell in a few words the following things about the object:
	a. Sound None
	b. Color Flock of smalitt neverted to be reflected
	Draw a picture that will show the shape of the object or objects. Label
17.	Draw a picture that will show the shape of the object or objects. Label and include in your sketch any details of the object that you saw such as wings, protrusions, etc., and especially exhaust trails or vapor trails. Place and arrow beside the drawing to show the direction the object was moving.
	therete with reason change.
	Flock of reflected hight
18.	The edges of the object were:
200	
	(Circle one) a. Fuzzy or blurred c. Sharply outlined b. Like a bright star d. Don't remember e. Other Sam me Active of the contract of the con
	m.l. the trait
19.	IF there was MORE THAN ONE object, then how many where there?  Draw a picture of how they were arranged, and put an arrow to show the direction that they were traveling.

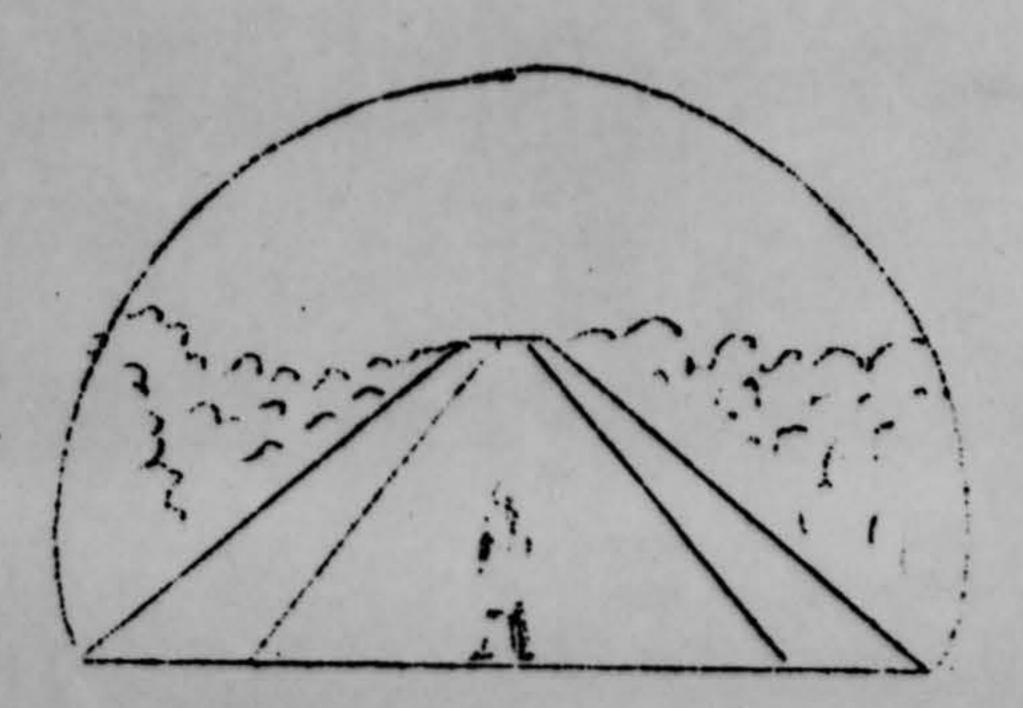
	the motion that the object or objects made of the path, a "B" at the end of the path, tion during the course.
4	
	E/
was in its longest dimension.	stimate what the real size of the object
	jects appear as compared with one of the hand and at about arm's length?
(Circle One) a. Head of a pin	
b. Pea	h. Baseball
c. Dime	i. Grapefruit
d. Nickel	j. Basketball
e. Quarter f. Half dollar	k. Other Sacu no object, orts
answer to Question 22.  a. Certain  b. Fairly certain	to indicate how certain you are of your  c. Not very sure d. Uncertain
23. How did the object or objects d	disappear from view? Suddente, with
flack of what age	and to be restend outjois
we would like for you to imagine	ear a picture as possible of what you saw, that you could construct the object that would you make it? How large would it be,
and what shape would it have? De	escribe in your own words a common object in the sky would give the same appearance

	Page 5
25. Where were you located when you saw the object? (Circle one) a. Inside a building b. In a car c. Outdoors d. In an airplane e. At sea f. Other Red of bids	26. Were you (Circle one)  a. In the business section?  b. In the residential section?  c. In open countryside?  d. Flying near an airfield?  e. Flying over open dontry?  f. Flying over a city?  g. Other
27. What were you doing at the time you happen to notice it? Observed	a bulloon-flight when
28. IF you were MOVING IN AN AUTOMOBILE complete the following questions:  28.1 What direction were you movin	
a. North b. Northeast d. Southeast  28.2 How fast were you moving?  28.3 Did you stop at any time while  (Circle one) Yes	e. South f. West g. Northwest miles per hour.
29. What direction were you looking when a. North c. East d. South east	e. South f. West
30. What direction were you looking when  a. North b. Northwest d. Southeast	you last saw the object? (Circle one)  e. South f. West g. Northwest
31.2 When it disappeared:  a. From true North 130-1  b. From horizon 75-20	degrees.

Place and "A" on the curved line to show how high the object was above the horizon (skyline) whe you first saw it. Place a "B" on the same curved line to show how high the object was above the horizon (skyline) when you last saw it.



33. In the following sketch place an "A" at the position the object was when you first saw it, and a "B" at its position when you last saw it.



34. What were the weather conditions at	the time you saw the object?
34.1 CLOUDS (Circle one)	34.2 WIND (Circle one)
a. Clear sky	a. No wind
b. Hazy	b. Slight breeze
C. Scattered Clouds	c. Strong wind
d. Thick or heavy clouds	d. Don't remember
e. Don't remember	d. Don't remember
C. DOIL C Lementoer	21. 1. mm/popamine ///
34.3 WEATHER (Circle one)	34.4 TEMPERATURE (Circle one)
Des Correte one)	
	a. Cold
b. Fog, mist, or light rain	b. Cool
c. Moderate or heavy rain	C. Warm
d. Snow	d. Hot
e. Don't remember	e. Don:t remember
DAY MONTH	icial that you had seen the object?
36.1 IF you answered YES, did to 36.2 Please list their names and	hey see the object too? Yes No d addresses:
	Mole. Mina.
37. Was this the first time that you this? Yes No	u had seen an object or objects like
stances did you see ather	hen, where, and under what circum- ones?
flying on a boll	loon observation near Mpts
appron. Oct. 1457.	

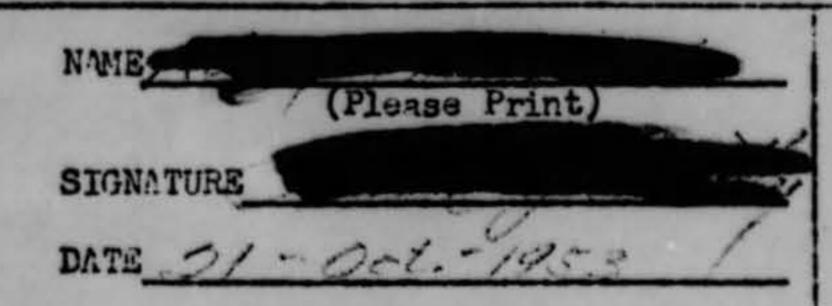
	Do Abd-b	trata the speed of the	Page 8	
•	Do you think you can est (Circle One) Ye	No Angular	5,0000	per con
	(Circle One) Ye	en what speed would y	rou estimate?	m-p-h
0.	Do you think you can es (Circle One) Yes IF you answered YES, t	110		
1.	Please give the followi	ng information about y	ourselfs.	
	NAME Last Name	First Name	Middle Na	me
	ADDRESS	Min	eapole	Mini
	Street	City	Zone	State
	TELEPHONE NUMBER			
	What is your present jo	b? Fraince Go	a Mila Merce	red & Dev
	Age 53	Sex M		
	Please indicate any spe	cial educational train	ing that you have	e had.
	a. Grade School	e.e. Tech	(Type)	
	b. High School			
	c. College		er special traini	Charles and the same of the sa
	d. Post graduate	See M.S 100		Private
	d. Post graduate	See M.S 100		Contract of the last of the la
	c. College	See M.S 100		Contract of the last of the la
	d. Post graduate 2 / 500	tajor in Aerodynamia		Contract of the last of the la
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2. 4.

#### U. S. AIR FORCE TECHNICAL INFORMATION SHEET

# (SUMMARY DATA)

In order that your information may be filed and coded as accurately as possible, please use the following space to write out a short description of the event that you observed. You may repeat information that you have already given in the cuestionnaire, and add any further comments, statements, or sketches that you believe are important. Try to present the details of the observation in the order in which they occurred. Additional pages of the same size paper may be attached if they are needed.



(Do not Write in This Space)

On 15. Oct 1953 while observing a high altitude below (altitude about 73.000 ft at' the time) a trail appeared about 5° below the palloon. Mr. ... operated the theodolite, using the rough, "I" sight while I looked through the instrument. After the initiating point of the trail appeared in the field, I assumed operation of the Instrument, following the path by operating the mechanical amount televotion controls on the instrument. Mr. timed the rate of asimuth change. I saw no object. After the initiating point of the trail had gone well into the vertical phase of the trail I asked Mr. Bartholomen to observe the object through the instrument. After leaving the Instrument and observing with the nated eye z noticed that the trail was rapidly decopating, minimize the possibility of the trail being vapor also strengthers this opinion I think.

ROUTING . IOINT MECCA	CEEODNA	CATIONS CENTER NO.
JOINT MESSA	GELOKIAI	1049/1KC
		1 337
		58/7
SPACE ABOVE FOR COMMUNICATIONS CENTER ONLY	Z-N-J	UNCLASSIFIED
FROM: (Originator)	271915Z OCT 53	RESTRICTED
COMDR ATIC	PRECEDENCE ACTION ROUTINE	INFORMATION
TO:COMBR 31SE AIR DIVISION ST PAUL MINN	BOOK MESSAGE	ORIGINAL MESSAGE
JEDNIG	MULTIPLE ADDRESS	CRYPTOPRECAUTION
		TO MESSAGE:
WHCLASSIFIED	WD2569	CLASSIFICATION
INFO:	WDZ 709	D. Spinish services and the services are services and the services are services and the services and the services and the services are services and the services and the services are services and the services and the services and the services and the services an
13 33 33 33 33 33 33 33 33 33 33 33 33 3		UNCLASSIFIED
FROM: AFOIN-ATIAE-10-11-E		Since and are
Reurmsg WD2569 regarding the observation of a	UFOB at 1010 CST 23	Oct 53 by 3 en-
gineers at General Mills, Minneapolis, Minneso	ta. Request you che	eck surrounding
Flight Service Centers and Flight Operations f	or possible aircraft	in the area.
In reply cite Project Blue Book.		
COORDINATION:		
ATLAE-5 my Jutel DATE 27 OCT	53 DOWNGRADED	AT 3 YEAR INTERVALS
ATTAB ALCENTAN DATE 27 Oct.53	DECLASSIF	D DIR 5200.10
ATIA LE COL JOHNSTON ATIA DATE 2 POLIS		DIE OZOUZO
FOR COL O'HERN		
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A/1C Max G. Futch/jos	0/2/2	m
	ICIAL TITLE R. C. SCHUM,	CWO, USAF
0,30,	Asst. Adjuta	

The trail then exhibites a tendency to return to horizontal, and drouppeared with a reflected flash. See Surgeing description.

- 30°-

25°clevolin

3-00

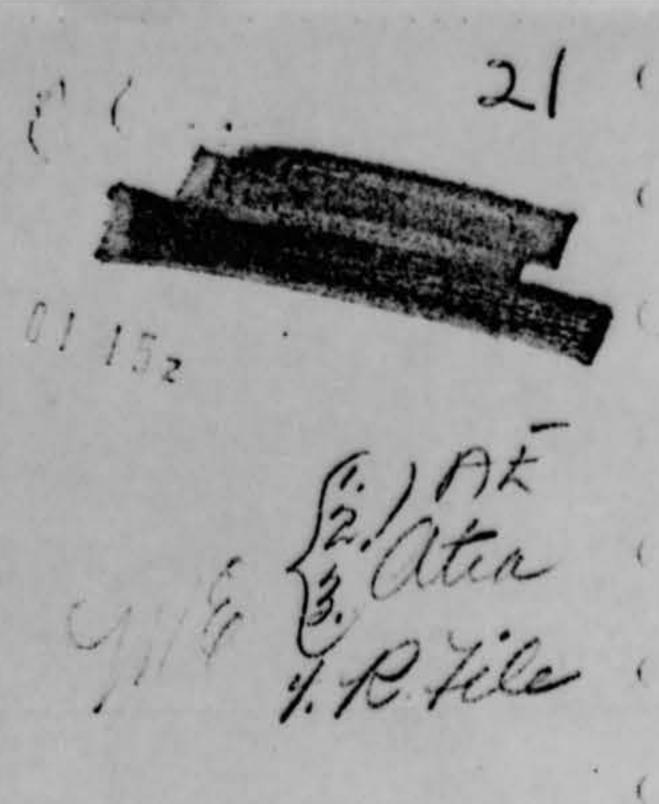
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DE JEDNG Ø1A R 302155Z ZNJ

FM COMDR 31ST ADIV ST PAUL MINN

TO CHIEF ATIC WRIGHT PATTERSON AFB OHIO

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DD 2823 PD ATTN ATTIAA-2C REURMSG CITE PROJECT
BLUE BOOK PD COMPLETE RPT SUBMITTED DIRECTLY TO YOU VIA AF FORM ONE OF
TWO DATED TWO ONE OCTOBER ONE NINE FIVE THREE PD FLIGHT SERVICE RPT
INDICATES TWO FOX DASH EIGHT SIX IN AREA SOUTH AND WEST OF
INNEAPOLIS AT APPROXIMATE TIME HOWEVER THIS DOES NOT IN ITSELF
ATISFY OR CORRELATE WITH SUBJECT OBSERVATION PD

1/0001Z OCT JEDNG

2 NOV 1553

DOWNGRADED AT 3 YEAR INTERVALS: DECLASSIFIED AFTER 12 YEARS. DOD DIR 5200.10 8 42



MACLASSIFIED



HEADQUARTERS LINCLASSIFIED

31ST AIR DIVISION

St Paul 11, Minnesota

WD 319.1

SUBJECT: FLYOBRPT

27 00T 1353

Chief
Air Technical Intelligence Center
ATTN: ATIAA-2c
Wright-Patterson AFB, Ohio

Forwarded herewith is FLYCBRPT in accordance with AFL 200-5, 29 April 1952.

FOR THE COMMANDER:

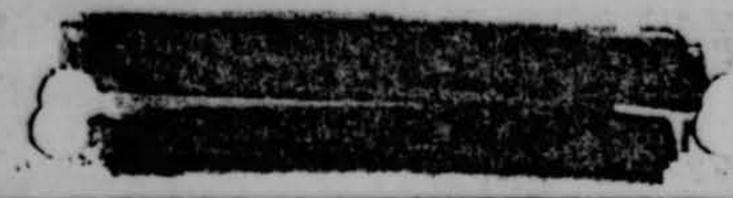
1 Incl FLYOBRPT (21 Oct 53)

Let Lt., USAR Acquestant Adjutant

DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10



AF FORM 112



UNCLASSIFIED

UNITED STATES

REPORT NO.

(LEAVE BLANK)

# AIR INTELLIGENCE INFORMATION REPORT

FROM (Agency)

SUNECT

COUNTRY

FLYOBRPT

Page 1 of 2 Pages

APEA REPORTED OR

FT. SNELLING, MINNESOTA

Flt 2-A, 4602D AISS

21 Oct 1953

15 Oct 1953

EVALUATION A-2

REPARED BY (Officer)

TIMOTHY J DELANTY, 2d Lt., USAF

ALFERENCES (Control number, direction, provious report, etc., as applicable)

AFL 200-2, ATIC FLYOBRPTS MANUAL, 25 July 1953

I. SUMMART: An unidentified flying object was reported by three (3) research engineers employed by General Mills Aeronautical Laboratories. It was observed during the theodolite tracking of a 79 foot balloon over ST. PAUL at 73,000 feet between 1010S and 1015S 15 October 1953.

heading southward in horizontal flight passing below the sun which was at an elevation of approximately 25°. No sound was discernible during the entire observation. Object progressed in horizontal flight with an estimated altitude of 40,000 feet for approximately 30 seconds at the rate of 10° per 9 seconds. This represent 15 miles per minute or 900 miles per hour. (See chart I for variations on assumed altitude and speed). Object then began a vertical dive lasting 10 to 15 seconds. During this time it was visible several times appearing to glow. As object leveled from dive the smoke trails ceased and appeared as a grey mass through the theodolite screen. The object then disappeared from view in a quick flash reminiscent of a mirror reflecting sunlight. SOURCES say that object appeared to be of the same magnitude in the theodolite field as the balloon which they were tracking.

II. COMMENTS OF PREPARING OFFICER: All three men have extensive engineering background and two have flying experience. Mr. a former B-17 pilot, is a Meteorological Engineer; Mr. a private pilot, has 2 years post graduate work in Supersonic Aerodynamics; Mr. a last phases of flight.

Mr. observed the first portion of the flight through the theodolite.

Mr. observed the object through the theodolite during the last phases of flight.

What information has been obtained from SCURCES is believed to be completely reliable. The estimated altitude at which the smoke trails were observed leaves considerable room for speculation. Initial estimates were given in the vicinity of 40,000 feet but upon inquiry all

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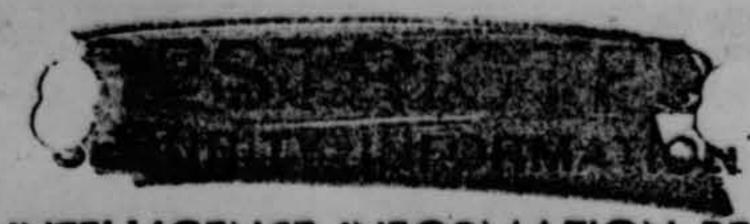
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AF FORM 112-PART-II



# UNCLASSIFIED

# AIR INTELLIGENCE INFORMATION REPORT

FROM (Agency)

Flt 2-A, 4602D AISS

REPORT NO.

PAGE

OF

PAGES

three men agreed that it could have been as high as 60,000 feet since they could not accurately determine the altitude with the theodolite. In addition to this fact they were unable to make a positive estimate as to the depth of field from the observation post to where the object was flying. These estimates were in relationship to known position of the balloon.

4 Incls

1. Elev Alt Chart

2. Info Sheet Form A

3. Info Sheet Form A

4. Info Sheet Form A

TIMOTHE J DELANTE 2d Lt., USAF

OIC Flight 2-A

III. COMENTS OF APTROVING OFFICER: Review of source material reveals initial sentence in paragraph two of this Summary concerning elevation of observation refers to the sighted object rather than the sun.

The nearest AC&I facility to the point of this observation was at the time of the observation inoperative however the logs of this organization show two (2) F-86's in the area south and west of Hinneapolis at this time. This information is in no way intended to definitely correlate subject observation with these aircraft.

APPROVED:

MALITER C. CLARKE

Major, USAF

Director of Intelligence Headquarters 31st Air Division

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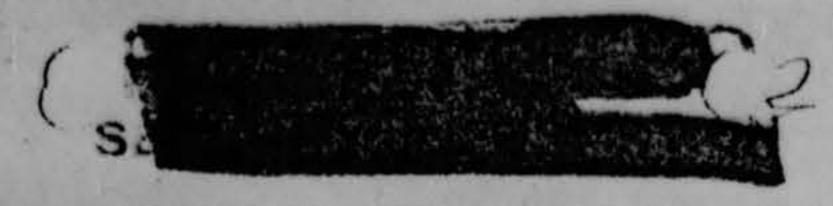
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# AIR INTELLIGENCE INFORMATION REPORT

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# ELEVATION ANGLE

	The second secon	A STATE OF THE PARTY OF THE PAR	
ASSUMED ALTITUDE	MILE RADIUS	DEGREE/SECOND	MILES PER HOUR
30,000	12	1	750
40,000	16	1	1000
50,000	21	1	1320
	20° 3	LEVATION ANGLE	
30,000	15.5	1	970
40,000	21.	1	1.320
50,000	26	1	1630

1015S 21 October 1953 Elevation Angle of Sun 29-300

This chart prepared by Mr. using degree of elevation for 21 October 1953. Figures cited are taken from CEMERAL MILLS BALLOON ENGINEERING DESIGN MANUAL dated June 6 1950 Chart 4-5781-C entitled "Elevation-Altitude Relationships from 0-100 Hiles Corrected for Refraction and Curvature of the Earth"

Chart I

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M. A. STREENWEIN CHENTYN DEFRIE

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MITTE LEGI DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL GEFEN ASSESTED WITHIN THE MEANING OF THE EXPLONAGE ACT, SO U.S. C. -TALL I V. ASSISSED. TIS THAN SMESSION OR THE REVELL ON OF ITS CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PROHIGITED BY LAW. IT MAY THE BY REPORTED IN WHOLE OR IN PART, BY CHIEF BY PART STATIS ARE FOREIGN ACCOUNTS FOR EXCEPT BY PART ISION OF THE DIRECTOR OF METAL WATER

