PROJECT 10073 RECORD CARD

1. DATE
4 Feb 54

2. LOCATION
Carswell AFB, Texas

3. DATE-TIME GROUP
Local _____
GMT 04/2329Z (N)

4. TYPE OF OBSERVATION
☒ Ground-Visual ☒ Ground-Radar
☐ Air-Visual ☐ Air-Intercept Radar

5. PHOTOS
☐ Yes
☒ No

6. SOURCE
Mil

7. LENGTH OF OBSERVATION
- - - - - --

8. NUMBER OF OBJECTS
one

9. COURSE
- - -

10. BRIEF SUMMARY OF SIGHTING
Larger than B-36
No trail ormeans of propulsion.
Dark grey.
No sound.
Long fuselage
(See Case File)

11. COMMENTS
Object was definitely aircraft.

12. CONCLUSIONS
☐ Was Balloon
☐ Probably Balloon
☐ Possibly Balloon
☒ Was Aircraft
☐ Probably Aircraft
☐ Possibly Aircraft
☐ Was Astronomical
☐ Probably Astronomical
☐ Possibly Astronomical
☐ Other _____
☐ Insufficient Data for Evaluation
☐ Unknown

ATIC FORM 329 (REV 26 SEP 52)

INVESTIGATION OF UNIDENTIFIED FLYING OBJECT REPORTS

Two reports of unidentified flying object sightings, made on the night of 4 Feb 54, were received by ATIC from the 19th Air Division, Carswell Air Force Base, Texas. These appeared to be significant in that the reporting officer and the observers were experienced and reliable personnel and the reported actions of the objects were unusual. This was also reported as possibly being a simultaneous visual and radar sighting.

The first object was reported as being the shape of an aircraft, dark grey, as large or larger than a B-36, having a long fuselage, elliptical wings and stabilizer. All descriptions fit that of an aircraft except that it was reported as having no visible means of propulsion or exhaust, nor did the object leave any trail. The most predominant phenomena was that the object emitted no sound.

This object was first detected by the Carswell GCA radar at 2300 at a distance of 13 to 15 miles to the SW and heading directly toward the base. It remained on a straight course and the GCA operator notified the control tower and the officer of the day. The control tower personnel sighted the object at 2301 and kept it under observation for five minutes until 2306 when it passed out of sight to the NW. The object was estimated to be traveling at an altitude of between 3000 to 4000 feet. A straight course was maintained throughout both the visual and radar sightings.

This same report and a subsequent report contained information on a further radar sighting which occurred on the same night some 20 minutes after the original visual and radar sighting. It appeared that the proximity of time might link the two sightings.

The second incident concerning radar only was picked up by the Carswell AFB GCA at 2329 on the night of 4 Feb 54. The return on the scope indicated two

targets 17 miles SW of Carswell AFB, flying in formation at an estimated altitude of 5000 feet and speed of 200 MM. These two targets merged into one and when 12 miles from Carswell they separated again and ~~picked up~~ assumed a southerly heading. At approximately 14 miles from the base, the target to the rear suddenly reversed its course, flew for two miles, then reversed course again and gradually overtook the lead target. Both targets departed the capability of the GCA flying in formation to the SSE.

On the basis of the above information, a cil was placed by ATIC to Hq Air Defense Command and a request was made to have the nearest unit of the 4602d AISS proceed to Carswell AFB for the purpose of carrying out a complete investigation of the sightings.

Capt Charles A. Hardin, project monitor for Project Blue Book, and Mr. [redacted], radar specialist, departed from ATIC for Carswell AFB to further the investigation. Upon arrival, a team was formed with 4602d AISS and intelligence personnel at Carswell AFB.

The initial UFO report from Carswell had indicated that there were no aircraft in the area on the night of the sighting which would meet the UFO descriptions; however, in the course of a routine recheck, it was discovered that a C-124 enroute from Travis AFB to Turner AFB had reported in to the Ft. Worth radio at 2304 and had changed flight plan at that time. The new flight plan called for a descent from 13,000 to 7000 and the course from Ft. Worth radio to the east leg of the radio direction beam would carry the plane very near the Carswell AFB control tower.

The radar track on this sighting as well as the time coincided with the flight plan of the C-124 and the visual observations. It is, therefore, concluded that it was this C-124 which the control tower personnel reported.

The lack of sound was accounted for by the descent of the C-124 which was taking place at the time of the sighting together with the under-estimation of altitude by the reporting personnel.

Since the first sighting was established to be the C-124 there appears to be no relation between this and the second radar sighting.

Mr. [redacted] after interrogating the GCA operator, was of the opinion that the reported returns indicated aircraft with the exception of the sudden reversal of course (for about 2 miles or 3.3 seconds) and the investigation was continued on that basis. The Duncanville radar station was alerted, after the target of interest reportedly temporarily reversed its course, and their recorded tracks of this target(s) were those of normal aircraft traveling at about 240 NM. A check was made through flight service for all flight plans; however, no flights of this description could be found. Since flight service has plans on cross-country flights only, a further check was initiated to all surrounding air fields for information on local or round robin flights which might have been in the area at the time of the sightings.

Through this checking of surrounding bases, it was found that the 3627th WACCO SQ, James Connley AFB, which is a radar observer training school was carrying out exercises on the night of the fourth in the vicinity and covering the same time period. These operations consisted of flights of two B-25's running missions on each other. While their exact locations at any given time could not be determined, the maneuvers described by the radar operator were very similar and lead to the belief that these were the same objects as reported.

(B) NOT AVAL. GCA RADAR COULD NOT TURN THIS INTO.
(C) 25 DEGREES
(D) OBJECT APPROACHED CARSWELL ON A HEADING OF UNSPEP DEGREES FR THE SW. OBJECT DID NOT CHNGE AT ANY TIME WHILE UNDER OBSERVATION. OBJECT PASSED DIRECTLY OVER THE CARSWELL TOWER AND MAINTAINED HEADING OF 050 DEGREES UNTIL OUT OF SIGHT. BOJECT WAS WATCHED FOR AN ESTIMATED FIVE MINUTES AFTER IT PASSED OVER TOWER BY PERS ON DUTY. THE BRIGHT WHITE LIGHT IN THE TAIL WAS VISIBLE THROUGHTOUT THIS TIME. IT WAS ESTIMATED THAT OBJECT PASSED 5 TO 6 MILES NW OF MEACHAM FLD WHICH IS NW OF THE CITY OF FORT WORTH.
(E) SEE (D) ABOVE.
(F) OBJECT FR TIME OF FIRST DETECTION BY GCA (PARA 042300 LOCAL TIME) WAS UNDER SURVEILLANCE FOR APRX SIX MIN UNTIL IT PASSSED OUT OF SIGHT AT AROUND 042306 LOCAL TIME.
(3) MANNER OF OBSERVATION.
(A) GROUND ELECTRONIC AND GROUND VISUAL.
(B) TOWER OPERATOR, A/1C MCCLONNEL, DEPT OBJECT UNDER SURVEILLANCE WITH STANDARD AF BINOCULARS DURING ENTIRE OVSERVATION.
(C) NA.

UNCLASSIFIED

(4) TIME AND DTAE OF SIGHTING.
(A) 050500Z.
(B) NIGHT.
(5) LOCATION OF OBSERVERS. THE GCA OPERATOR WAS IN THE GCA TRUCK ~~AT CARSWELL AND THE TOWER PERS WERE IN THE CONTROL TOWER AT CARSWELL~~ AFB, FORT WORTH, TEX.
(6) A. NA.
(B) MILITARY OBSERVERS.
1. GCA OPERATORS. T/SGT HARUN HOLZEL AND A/1C BRUCE PRICE OF THE 1921ST AACS UNIT AT CARSWELL AFB.
2. TOWER PERS. A/2C GUINAUGH, A/1C MCCLONNELL, AND A/1C WENE OF THE 824TH ABG, CARSWELL.
3. INTERROPATORS CONSIDERS SOURCE OF INFO AS COMPL RELIABLE AND AS TO CONTENT PROBABLY TRUE.
(7) (A) CLEAR (CAVU).
(B) WINDS AT 6000 FT FR NW 5 KNOTS.
(C) NONE.
(D) 15 MILES.
(E) NONE.
(F) NONE.
(8) NO UNUSUAL ACTY, METEROLOGICAL, ASTRONOMICAL, OR OTHERWISE, THAT COULD CONTRIBUTE TO SIGHTING.

UNCLASSIFIED

(9) NO PHYSICAL EVIDENCE WAS OBTAINED.
(10) N.A.
(11) NO CARSWELL TRAFFIC WAS IN LOCAL AREA AT TIME FO SIGHTING. AMON CARTER FLD, FORT WORTH INTERNATIONAL AIRPORT, WAS CONTACTED TO CHECK ON FLT ARRIVALS DURING THIS PD AND TWO FLTS WERE REPTD

JEDNH A223

PARAPHASE NOT REQUIRED. SEE CRYPTO-CENTER BEFORE DECLASSIFYING

JM

3. Atty-2
4. R. file

UNCLASSIFIED

JWFQB 24
PP JEDIH JEDWP JEPHQ 333
DE JWFQB 28C

ZNR COMDRAIRDIV 1S CARSWELL AFB TEX
TO JEDWP/COMDRAIR TECH INTEL CTR WRIGHT PATTERSON AFB OHIO
JEPRQ/DIR OF INTEL HQ USAF WASHINGTON DC
JEDEN/COMDRADC ENT AFB COLORADO
ZEN/COMDRAF 8 CARSWELL AFB TEX

[redacted] L/ SECTION ONE OF TLO. 7DI 137. UFOB.

(1) DESCRIPTION OF THE OBJECT.
(A) SHAPE OF AN ACFT.
(B) BASEBALL - WAS DESCRIBED BY OBS AS JUST AS LARGE OR LARGER THAN B-36.
(C) DARK GREY.
(D) ONE.
(E) NA.
(F) AND A LONG FUSELAGE, ELIPTICAL WINGS, AND STABILIZER, AND NO VISABLE MEANS OF PROPULSION.
(G) OBJECT HAD TAIL, DID NOT LEAVE ANY TRAIL, NOR WAS ANY EXHAUST VISIBLE.

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PAGE TWO JWFQB 28C

(H) OBJECT EMITTED NO SOUND. THIS IS PREDOMINENT PHENOMENA OF THIS REPT. OBJECT PASSED DIR OVER THE CARSWELL AFB TOWER AT 3000 TO 4000 FT AND WAS OBSERVED BY ALL TOWER PERS ON DUTY. NOT A SOUND OR ANY EVIDENCE OF PROPULSION WAS EXHIBITED BY OBJECT.
(I) OBJECT WAS FIRST DETECTED BY THE CARSWELL GCA STA AT A DISTANCE OF 13 TO 15 MI FOR CARSWELL. ATTN WAS DRAWN TO THE OBJECT BECAUSE OF THE LARGE RTRN PRESENTED ON THE SCOPE. OBJECT WHEN VIEWED ON FINAL SCOPE GAVE A RTRN OF 1 I.C.. OPR SCANNED FROM 10 DEGREES TO 20 DEGREES ON SEARCH AND OBJECT RETAINED THE SAME RTRN DUR THIS P. BECAUSE OF THE UNUSUAL RTRN, AND BECAUSE OBJECT WAS APPROACHING ER TOWARD THE FLD THE GCA OPR NOTIFIED THE AIRDROME OFFICER OF THE AY AND THE TOWER. OBJECT HAD A VERY BRIGHT WHITE LIGHT IN THE NOSE TAIL AND TWO YELLOWISH LIGHT ON BOTTOM OF FUSELAGE. ONE SERVER REPORTED THAT THE FRONT OBJECT ALSO HAD SOME TYPE OF LIGHT

(2) DESCRIPTION OF COURSE OF OBJECT.
(A) UNUSUAL RADAR RTRN RECD BY GCA SITE AT CARSWELL.

DOWNGRADED AT 3 YEAR INTERVALS
DECLASSIFIED AFTER 12 YEARS
DOD DIR

UNCLASSIFIED

ELECTRONICS DATA SHEET
(GROUND RADAR)

The purpose of this questionnaire is to provide technical data for evaluating the report of an unusual radar target or track. It is requested that it be completed as accurately as possible.

When not filled in, the form is Unclassified. The reporting officer will use his own judgement as to what degree of classification is required.

It is preferred that the answers to the questions be typewritten, however, if it will expedite the completion of the form, the answers may be printed in ink. If additional space is needed, use reverse side of form.

1. STATION OBSERVING TARGET: GCA Unit
CARSWELL AFB
Organization
Location

2. DATE OF THIS REPORT:
10 FEB 1954
Day Month Year

3. DATE TARGET OBSERVED:
4 FEB 1954
Day Month Year
Local Time ☑ Z Time ☐
Time-Local 2300 Time-Z

4. NAME, RANK AND ORGANIZATION OF REPORTING OFFICER:

5. EXACT LOCATION OF STATION (COORDINATES):

6. OBSERVER DATE (LIST EACH OBSERVER):

	Name	Rank	Duty	No. of Years Exp. in Radar
A.	[redacted]	A/1c	GCA MECH.	3½
B.	[redacted]	Tkgt	GCA Operator	5
C.				
D.				
E.				

7. WAS A VISUAL SIGHTING MADE BY ANY PERSONNEL OF THE STATION? ☑ YES ☐ NO
IF SO, GIVE NAME AND RANK OF ALL PERSONNEL MAKING A VISUAL SIGHTING AND A BRIEF DESCRIPTION OF WHAT THEY SAW:

ATIC FORM 332 (REVISED 25 NOV 1952)

[redacted] OFF OF [redacted] NOTT WERE CONVAIR LINE
TO FIT DESCRIPTION OF TOWER PERS.
(12) PREPARING OFFICER IS [redacted] DIR OF INTEL FOR 7TH BOMB WG. THERE
SEEMS TO BE NO APPARENT EXPLANATION FOR THE FACT THAT OBJECT SIGHTED
EMITTED NO NOISE WHATSOEVER. RELIABILITY AND EXPERIENCE OF
THE PERS REPTG SIGHTING ARE GOOD. THE GCA OPR HAS HAD OVER
5 YEARS OF EXPERIENCE IN HIS FLD. ONE OF THE TOWER OPR HAS BEEN
AT CARSWELL FOR TWO YEARS IN HIS PRESENT JOB, AND ANOTHER FOR 1
YEAR. FOL IS AN ADDITIONAL INCIDENT WHICH WAS OBSERVED BY THE GCA
TEAM ON DUTY THAT NIGHT (T/SGT HOLZEL AND A/1C PRICE) SHORTLY
AFTER THE INITIAL SIGHTING.
AT 2320 LOCAL TIME (APRX 20 MIN AFTER INITIAL SIGHTING) TWO TGTS
WERE OBSERVED BY THE GCA UNIT AT CARSWELL 17 MILES SW OF CARSWELL
HEADING 360 DEGREES FLYING IN FORMATION. THE TWO TGTS MERGED INTO

PARAPHRASE NOT
BEFORE DECLAS

A/1C

CNTO-CENT.

JEDMC A234
WFCB 25
PP JEDMP JEPHQ 333
DE JWFCB 29C

UNCLASSIFIED

FM COMDRAIRDIV 19 CARSWELL AFB TEX
TO JEDMP/COMDRAIR TECH INTEL CTR WRIGHT PATTERSON AFB OHIO
JEPHQ/DIR OF INTEL HQ USAF WASHINGTON 25 DC
ZEN/COMDRADC ENT AFB COLO
ZEW/COMDRAF 8 CARSWELL AFB TEX

[redacted] FINAL SECTION OF TWO. 7DI 1373. UFOB.
[redacted] ON THE GCA SCOPE GIVING A 1 1/2 INCH SCOPE PRESENTATION
(BLIP) ON THE 20 MILE SCALE. WHEN TGTS WERE 12 MILES FROM CARSWELL
THEY SEPARATED AND PICKED UP A SOUTHERLY HEADING. WHEN APRX 14
MILES AWAY FROM FIELD ONE OF THE TGTS WHICH WAS TO THE REAR AND
WEST OF THE LEAD TGT SUDDENLY REVERSED CRSE FLYING 180 DEGREES
RECIPROCAL HEADING TO THE NORTH WHILE THE LEAD TGT CONTINUED SOUTH.
SPEED OF EA TGT WAS ESTIMATED AT 220 KM AT 5000 FT ALT. THE TGT WHICH
REVERSED ITS FLT TRAVELED FOR AN ESTIMATED 2 MILES THEN REVERSED
ITS HEADING AGAIN TAKINGUP A PURSUIT CRSE OF THE LEAD TGT AND WITHIN

PAGE TWO JWFCB 29C

A MATTER OF SECONDS OVERTOOK THE LEAD TGT. BOTH TGTS SEPARATED THE
CAPABILITY OF THE GCA SET IN FOR ATION WITH ROUGHLY 37 MILES SSE OF
[redacted]
[redacted] OFFICER IF I CAN GIVE
[redacted] WAS LOCATED ON THE SIGHTINGS ARE ESTIMATE
BY THE [redacted].

19. ARE PERSONNEL FAMILIAR WITH THE EFFECTS CAUSED BY AN INTERFERING SIGNAL? ☑ YES ☐ NO
COMMENTS: _____

20. ARE PERSONNEL FAMILIAR WITH THE EFFECTS OF ANOMALOUS PROPAGATION (DUCTING EFFECTS) AS THEY PERTAIN TO THIS TYPE OF RADAR? ☐ YES ☐ NO

21. HAS ANOMALOUS PROPAGATION (DUCTING EFFECT) BEEN OBSERVED TO EXTEND THE RANGE OF THE GROUND CLUTTER OF THIS RADAR AT THIS SITE? ☐ YES ☐ NO
COMMENTS: _____

22. WAS ANOMALOUS PROPAGATION (DUCTING EFFECT) EXTENDING THE RANGE OF THE GROUND CLUTTER AT THE TIME THE TARGET WAS OBSERVED? ☐ YES ☐ NO
COMMENTS: _____

23. HOW DID THE TARGET APPEAR IN SIZE AND SHAPE AS COMPARED TO CONVENTIONAL AIRCRAFT TARGETS?
LARGER THEN B-36 RETURN

24. PERFORMANCE OF TARGET:

a. REMAINED CONSISTENT IN SIZE	☑	CHANGED SIZE RAPIDLY	☐
b. SPEED WAS CONSTANT	☑	SPEED WAS VARIABLE	☐
c. FOLLOWED CONSISTENT TRACK	☐	APPEARED, DISAPPEARED, THEN REAPPEARED IN NEW LOCATION	☐
d. FUZZY COMPARED TO AIRCRAFT TARGET	☐	SHARP COMPARED TO KNOWN AIRCRAFT TARGET	☐
e. SAME AS AIRCRAFT TARGET	☑		

25. WERE OTHER TARGETS (KNOWN) OBSERVED IN THE SAME GENERAL AREA, AT APPROXIMATELY THE SAME TIME AND AT THE SAME ALTITUDE AS THE UNUSUAL TARGET? ☐ YES ☑ NO
IF SO, DESCRIBE. _____

26. WHAT TYPE INDICATORS ("A" SCOPE, "B" SCOPE, ETC.) WERE USED TO FOLLOW THE TARGET?
PPI
DESCRIBE THE SIGNAL: 1 INCH LONG BY 1/4 INCH WIDE ON 10 MILE SCOPE

27. WHAT WAS THE RADAR SCAN RATE? 20 ± 2 RPM

28. WHAT WAS THE FREQUENCY OF THE TRANSMITTER?
2800 mcps

29. DID ANY OF THE OBSERVERS HAVE ANY OPINIONS AS TO THE NATURE OF THE TARGET? ☐ YES ☐ NO
IF YES, GIVE THEIR NAMES AND OPINIONS BELOW.

8. HAVE YOU HEARD OF ANYONE NOT AT THE RADAR STATION MAKING A VISUAL SIGHTING AT APPROXIMATELY THE SAME TIME THE RADAR CONTACT WAS MADE? ☒ YES ☐ NO
IF SO, GIVE NAME AND ADDRESS.

9. RADAR SCOPE PHOTOS:
IS RADAR EQUIPPED WITH A SCOPE CAMERA? ☐ YES ☒ NO
WAS CAMERA OPERATIONAL? ☐ YES ☐ NO
WERE SCOPE PHOTOS TAKEN? ☐ YES ☒ NO
WERE PRINTS OF THE SCOPE PHOTOS FORWARDED TO THE AIR TECHNICAL INTELLIGENCE CENTER? ☐ YES ☐ NO

10. TRACK DATA:
WHAT WAS THE NUMBER OF THE TRACK? _____
WAS A PERMANENT PLOT MADE OF THE TRACK AT THE TIME OF THE OBSERVATION? ☐ YES ☐ NO

11. WERE AIRCRAFT SCRAMBLED TO INTERCEPT THE TARGET? ☐ YES ☐ NO
IF SO, WERE THE AIRCRAFT BEING OBSERVED ON THE SCOPE AT THE SAME TIME AS THE TARGET? ☐ YES ☐ NO

12. WERE ANY NEARBY RADAR INSTALLATIONS QUERIED WHETHER THEY HAD OBSERVED THE SAME TARGET OR TRACK? ☒ YES ☐ NO
IF SO, WHICH STATIONS? CARSWELL WEATHER CALLED AND SAID HE HAD AN OBJECT SIGHTED AT APPROX SAME TIME AND LOCATION

13. WAS THE TARGET OBSERVED ON SEARCH RADAR? ☒ YES ☐ NO
IF SO, WHAT IS THE NOMENCLATURE OF THE EQUIPMENT? AN/GPN-4

14. WAS THE TARGET OBSERVED ON HEIGHT FINDING RADAR? ☐ YES ☐ NO
IF SO, WHAT IS THE NOMENCLATURE OF THE EQUIPMENT? _____

15. HAVE THERE BEEN ANY RECENT MAINTENANCE DIFFICULTIES? ☐ YES ☐ NO
IF SO, DESCRIBE. _____

16. WHAT TYPE MODULATOR (I.E., SPARK GAP, HARD TUBE, ETC.) IS USED IN THE RADAR EQUIPMENT?

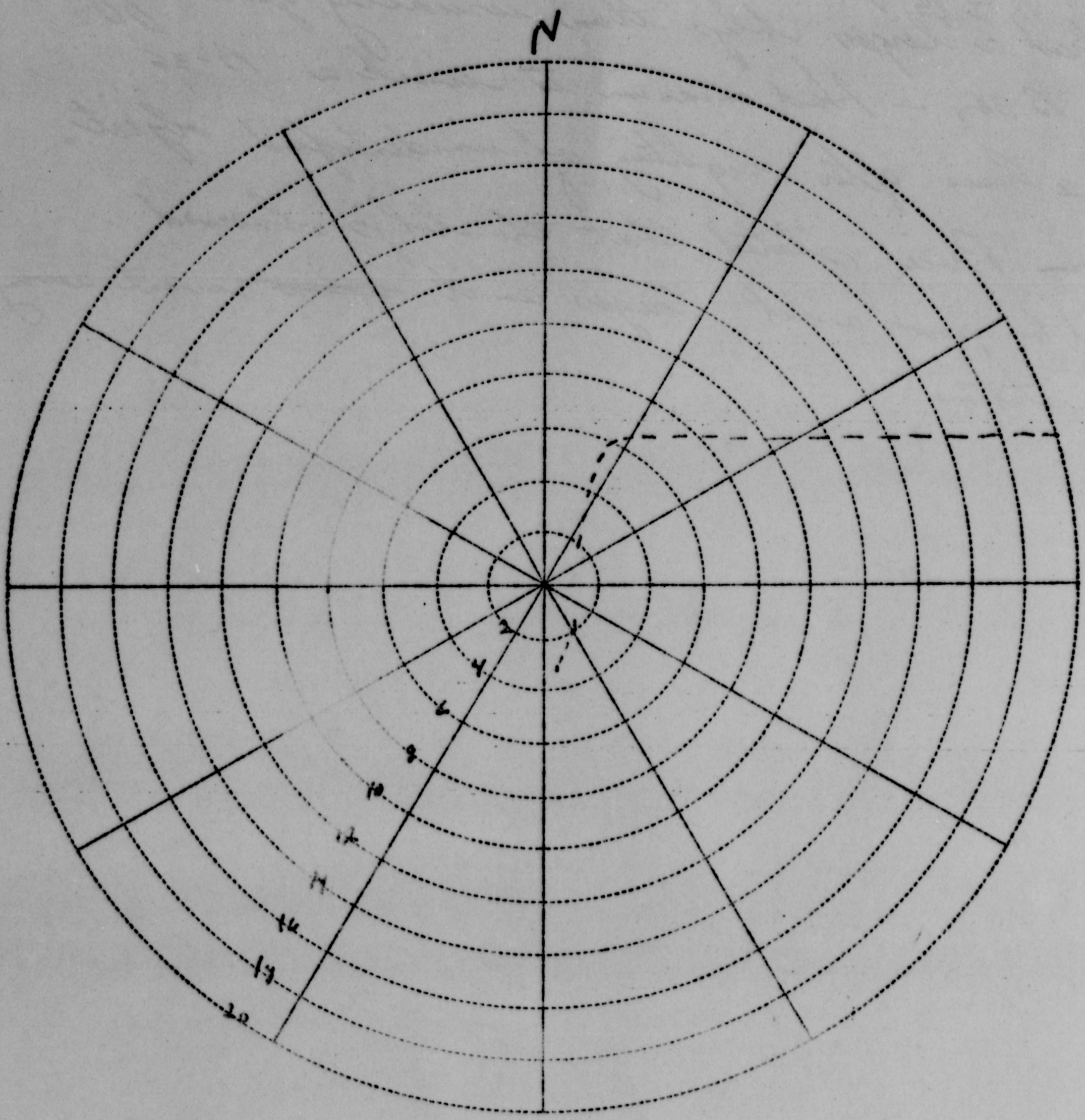
17. WAS THE AFC (AUTOMATIC FREQUENCY CONTROL) CIRCUIT OPERATING PROPERLY? ☐ YES ☐ NO
COMMENTS: _____

18. HAS INTERFERENCE FROM ANOTHER RADAR SET BEEN OBSERVED RECENTLY: ☒ YES ☐ NO
COMMENTS: Other SCR 584 in vicinity give a swirling type effect on scope once in awhile, Not on this particular night.

T/Sgt. [redacted] - A/1C [redacted]

Watched target on scope for 15 to 20 minutes
It had a little larger blip than usually given off
from B-36. - Had occasion to work a B-36
about 2 hours after sighting of unidentified object.
Airman Price stated that the blip observed
seemed to grow a bit larger as it ~~was~~ went away
from station.

30. IF SCOPE PHOTOS ARE NOT AVAILABLE, PLOT THE TARGET TRACK AS ACCURATELY AS POSSIBLE. GIVE THE TIME AND ALTITUDE (IF MEASURED) FOR EACH POINT PLOTTED. PUT THE NECESSARY RANGE SCALE ON THE DIAGRAM.



Form A

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 unidentified aerial phenomenon that you have observed. Please try to answer as many questions as you possibly can. The information that you give will 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?

7 (Day) Feb (Month) 1954 (Year)

2. Time of day: 11 (Hour) 00 (Minutes)

(Circle One): A.M. or (P.M.)

3. Time zone:

(Circle One): a. Eastern
(b.) Central
c. Mountain
d. Pacific
e. Other _____

(Circle One): a. Daylight Saving
(b.) Standard

4. Where were you when you saw the object?

Carswell AFB (Nearest Postal Address) Fort Worth (City or Town) Texas (State or Country)

Additional remarks: 1321-3 AACS Sq.

5. Estimate how long you saw the object. _____ (Hours) 15 min (Minutes) _____ (Seconds)

5.1 Circle one of the following to indicate how certain you are of your answer to Question 5.

(a.) Certain
b. Fairly certain
c. Not very sure
d. Just a guess

6. What was the condition of the sky?

(Circle One): a. Bright daylight
b. Dull daylight
c. Bright twilight
d. Just a trace of daylight
(e.) No trace of daylight
f. Don't remember

7. IF you saw the object during DAYLIGHT, TWILIGHT, or DAWN, where was the SUN located as you looked at the object?

(Circle One): a. In front of you
b. In back of you
c. To your right
d. To your left
e. Overhead
f. Don't remember

8. IF you saw the object at NIGHT, TWILIGHT, or DAWN, what did you notice concerning the STARS and MOON?

8.1 STARS *(Circle One)*:

a. None
b. A few
(c.) Many
d. Don't remember

8.2 MOON *(Circle One)*:

a. Bright moonlight
(b.) Dull moonlight very
c. No moonlight — pitch dark
d. Don't remember

9. 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 THAN the sky background, was the brightness like that 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

NA

11. Did the object:

(Circle One for each question)

a. Appear to stand still at any time?	Yes	(No)	Don't Know
b. Suddenly speed up and rush away at any time?	Yes	(No)	Don't Know
c. Break up into parts or explode?	Yes	(No)	Don't Know
d. Give off smoke?	Yes	(No)	Don't Know
e. Change brightness?	Yes	(No)	Don't Know
f. Change shape?	Yes	(No)	Don't Know
g. Flicker, throb, or pulsate?	Yes	(No)	Don't Know

12. Did the object move behind something at anytime, particularly a cloud?

(Circle One): Yes (No) Don't Know. IF you answered YES, then tell what it moved behind: _____

_____

13. Did the object move in front of something at anytime, particularly a cloud?

(Circle One): Yes (No) Don't Know. IF you answered YES, than tell what it moved in front of: _____

_____

14. Did the object appear: *(Circle One)*: (a.) Solid? b. Transparent? c. Don't Know.

15. Did you observe the object through any of the following?

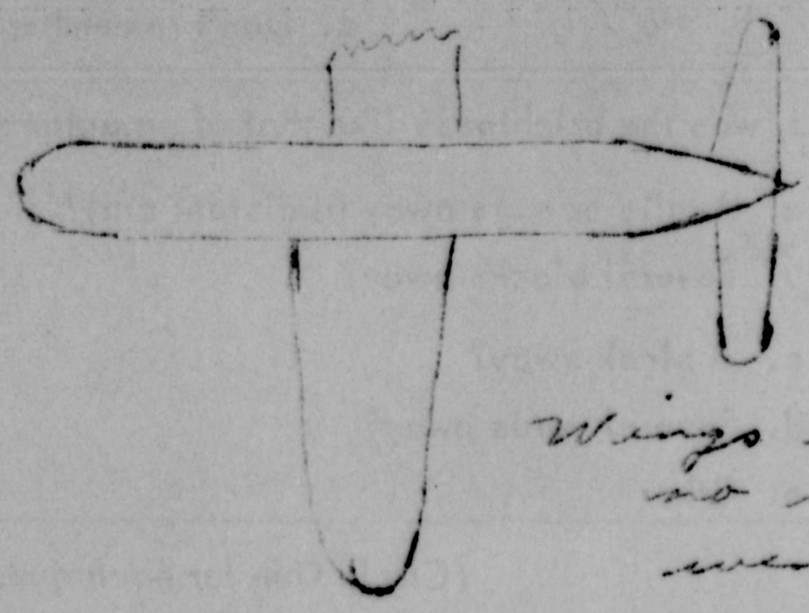
a. Eyeglasses	Yes	(No)	e. Binoculars	Yes	(No)
b. Sun glasses	Yes	(No)	f. Telescope	Yes	(No)
c. Windshield	Yes	(No)	g. Theodolite	Yes	(No)
d. Window glass	Yes	(No)	h. Other _____		

16. Tell in a few words the following things about the object.

a. Sound no sound at all

b. Color silver or illuminated possible from field glass

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 an arrow beside the drawing to show the direction the object was moving.



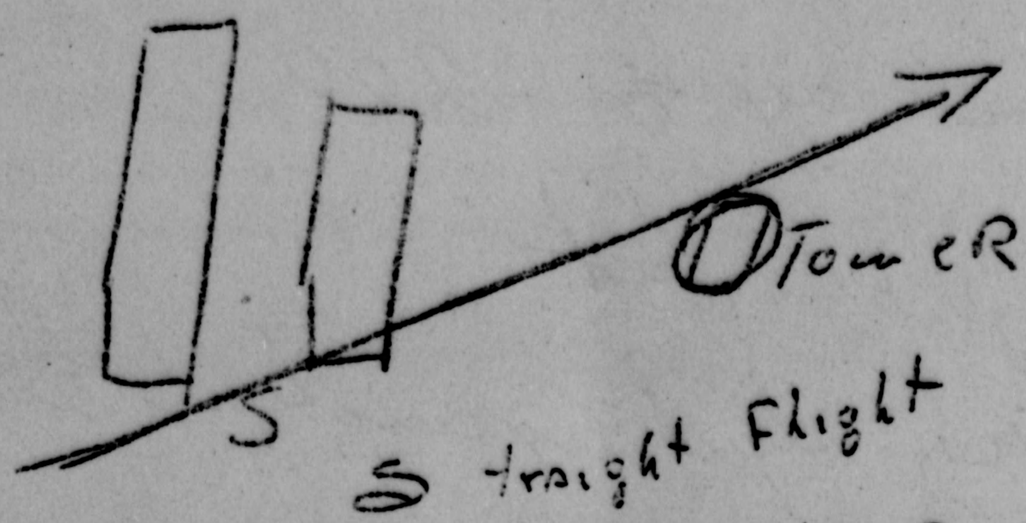
wings had no engine showing,
no vapor trails visible,
wings similar in shape to
a overseas C-54 wing,
fuselage was similar to a B-36
from the bottom.

18. The edges of the object were:

(Circle One): a. Fuzzy or blurred
b. Like a bright star
(c.) Sharply outlined
d. Don't remember

e. Other _____

19. IF there was MORE THAN ONE object, then how many were there? ____.
Draw a picture of how they were arranged, and put an arrow to show the direction that they were traveling.



9. The object was noted to have a straight wing and a long fuselage. Engine was B-36 Type.

10. A amber light was noted at the center of fuselage of this light flashed on & off steady. No other lights were noted until Sgt [redacted] spoc. to turn blue through binoc. he saw a clear white light. He stated light def. was not on the tail.

11. No Engines of any kind Def Recpt were noted or heard

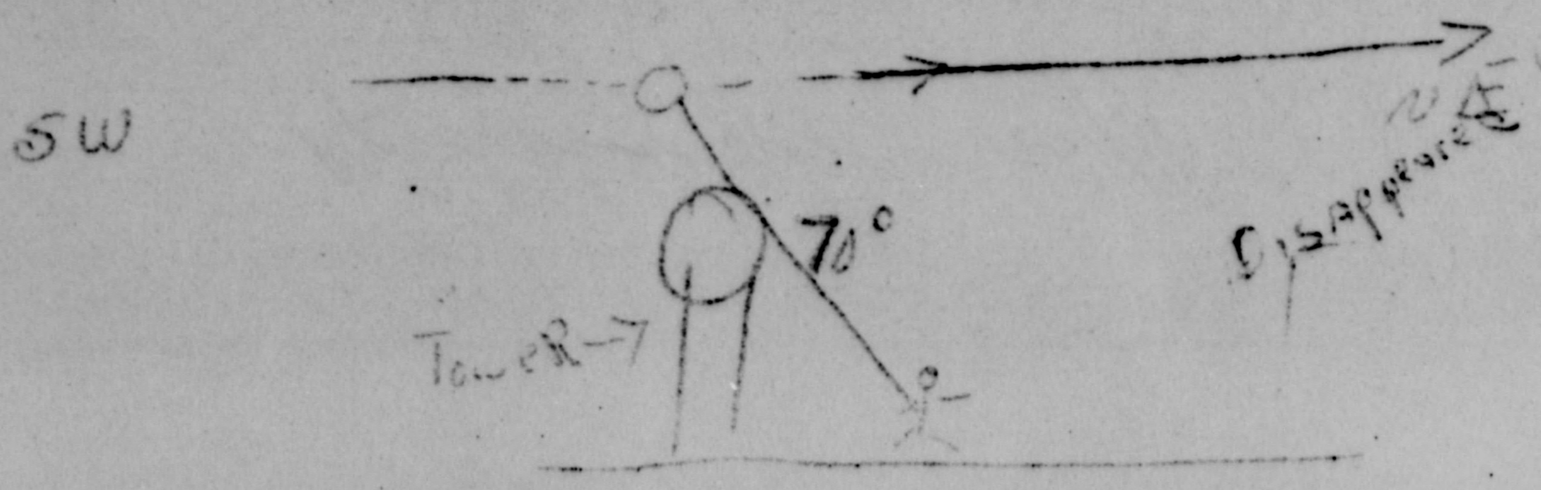
12. Airman did not note any other noises on base at the time - 0

T/Sgt [redacted]

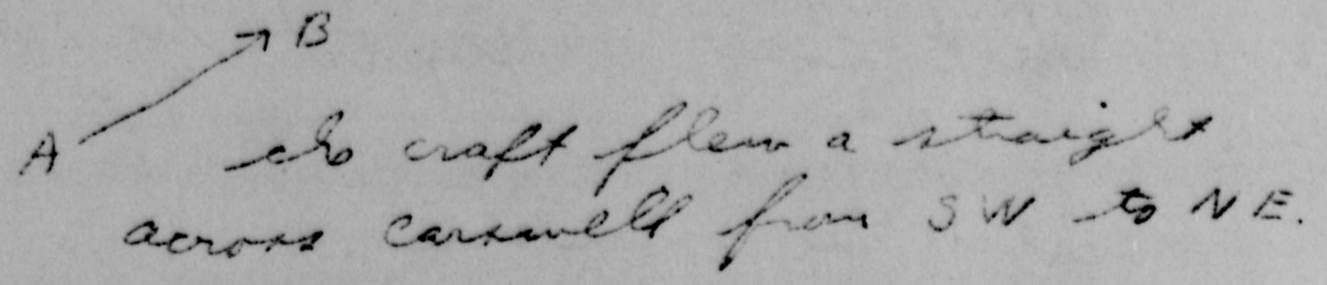
2

1. Object Traveling at approx 200
2. Approx 3000 to 4000 feet
3. appeared to be gray object against the black sky
4. nights were clear and visibility very good.
5. Object was obs. larger than B 36
6. Sgt stated possibility was if a B did not make any type of noise.
7. a steady speed was maintained all the time object was in flight.
8. S Sgt Riddle, was on his way to the tower at approximately 100 ft to left of Tower when UFO was sighted.

Sgt Riddle gave the following diagram



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



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

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 dollar
h. Baseball
i. Grapefruit
(j) Basketball
k. Other _____

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

a. Certain
(b) Fairly certain
c. Not very sure
d. Uncertain

23. How did the object or objects disappear from view? after crossing field disappeared in the dark, only the lights of it could be seen.

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.

material resembled a reflective surface of a very dirty mirror, as a dirty piece of al. would give the size appro. between a B-47 & B-36.

although a/c do ~~was~~ up during night.

12. Contact was attempted by tower but one could be made.

13. Aman stated there are four men on tower when he arrived there.

14 Sgt Riddle has been in Af 5½ yrs.

[redacted]

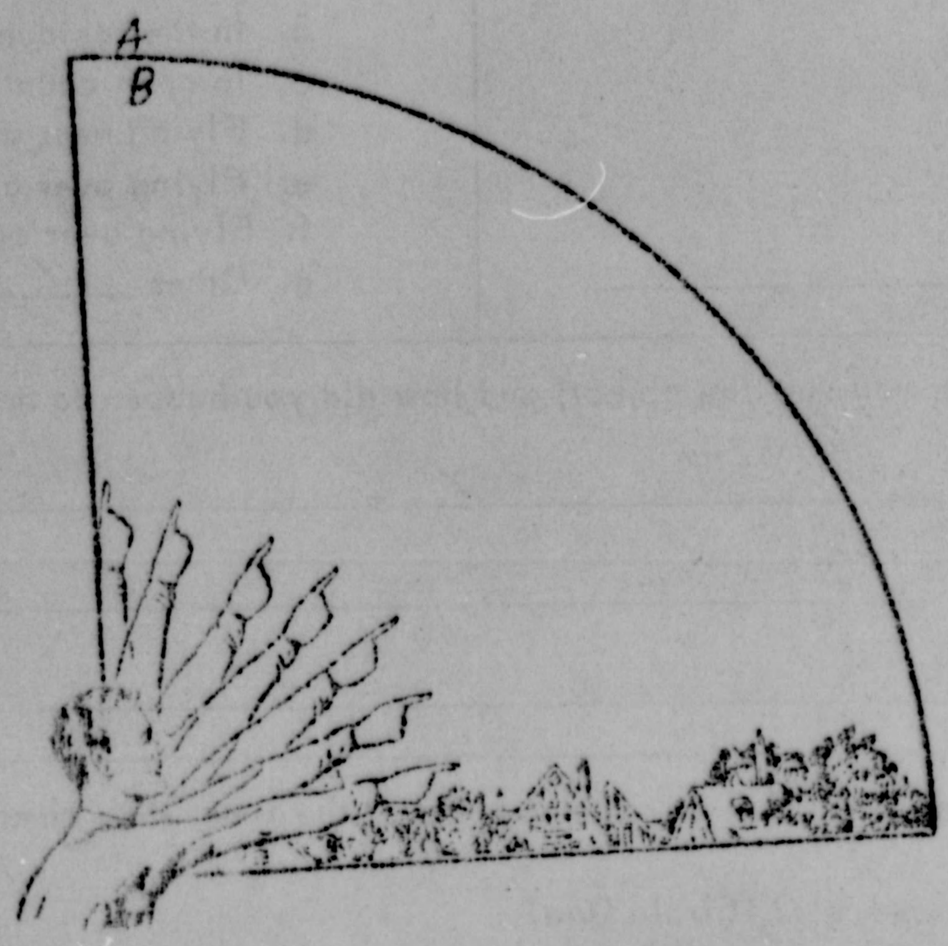
He has worked in tower appro. five (5) years

15. Aman sighted object for appro 45 sec. before proceeding to top of tower.

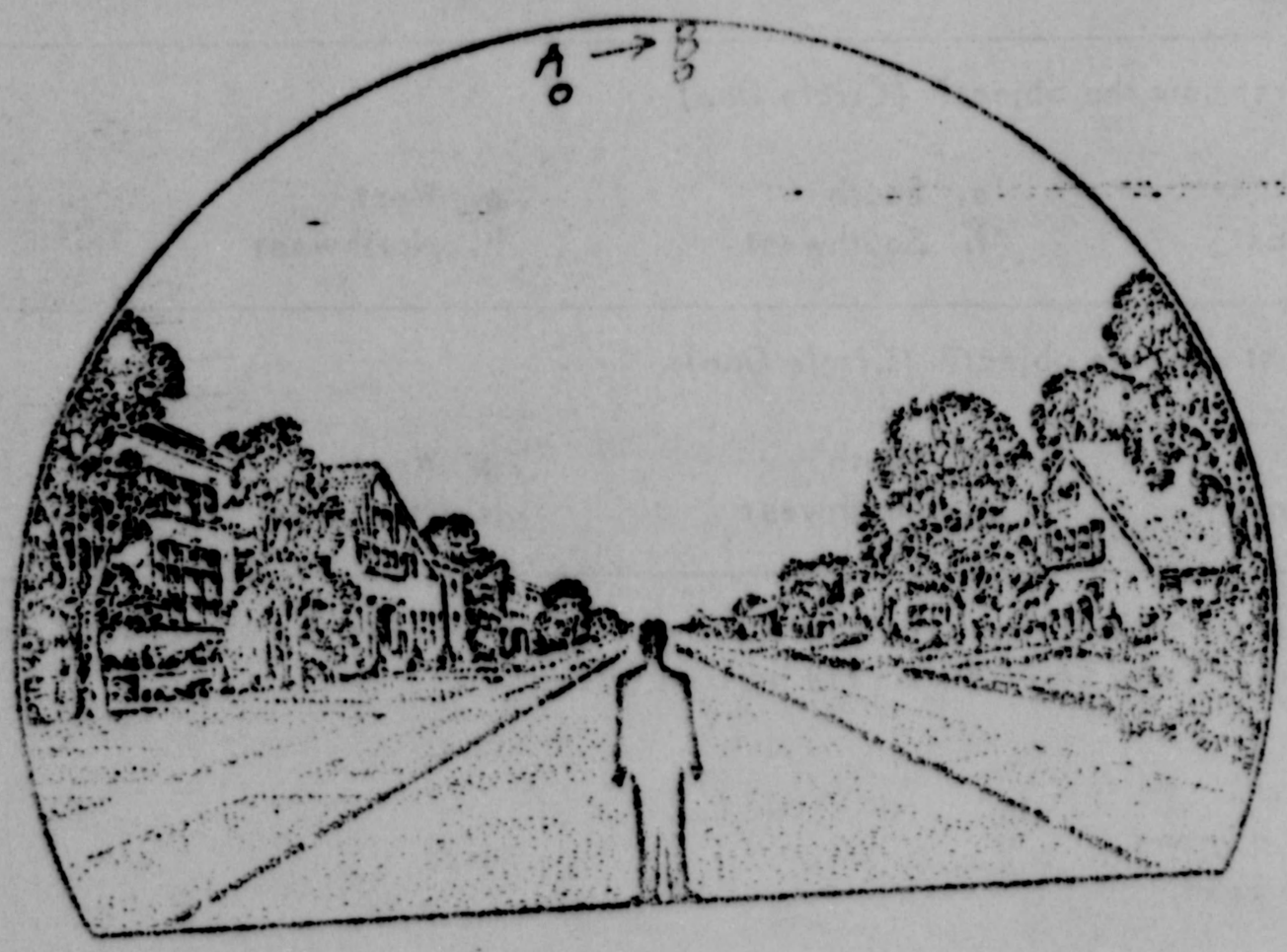
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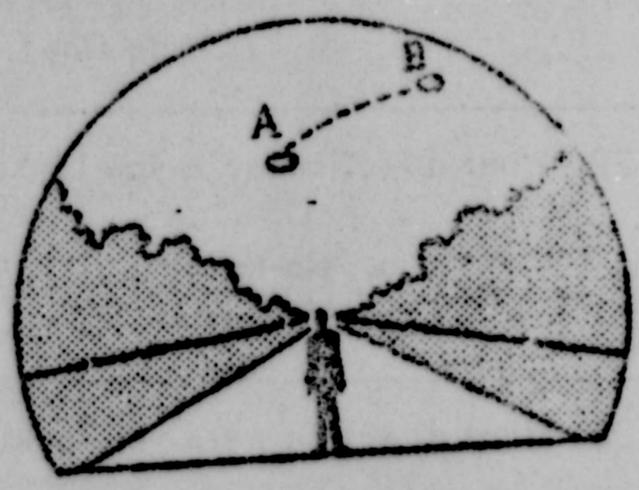
normally a/c on Cross country will contact tower when coming across field.

32. In the following sketch, imagine that you are at the point shown. Place an "A" on the curved line to show how high the object was above the horizon (skyline) when 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 larger 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. Refer to smaller sketch as an example of how to complete the larger sketch.





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 _____

26. Were you *(Circle One)*

a. In the business section of a city?
b. In the residential section of a city?
c. In open countryside?
d. Flying near an airfield?
e. Flying over a city?
f. Flying over open country?
g. Other at an air field

27. What were you doing at the time you saw the object, and how did you happen to notice it?

working in the Tower at Cornwall Base ops called
Lackland Ground to look out to see if we could see a object.
Ground said it was coming in from SW

28. IF you were MOVING IN AN AUTOMOBILE or other vehicle at the time, then complete the following questions:

28.1 What direction were you moving? *(Circle One)*

a. North
(b) Northeast
c. East
d. Southeast
e. South
f. Southwest
g. West
h. Northwest

28.2 How fast were you moving? _____ miles per hour.

28.3 Did you stop at any time while you were looking at the object?

(Circle One) (Yes) No

29. What direction were you looking when you first saw the object? *(Circle One)*

a. North
b. Northeast
c. East
d. Southeast
e. South
(f.) Southwest
g. West
h. Northwest

30. What direction were you looking when you last saw the object? *(Circle One)*

a. North
(b.) Northeast
c. East
d. Southeast
e. South
f. Southwest
g. West
h. Northwest

31. If you are familiar with bearing terms (angular direction), try to estimate the number of degrees the object was from true North and also the number of degrees it was upward from the horizon (elevation).

31.1 When it first appeared:

a. From true North 200° approx 220 ~~045°~~ degrees.
b. From horizon 30° degrees.

31.2 When it disappeared:

a. From true North 220 ~~045~~ degrees.
b. From horizon 30° degrees.

39. Do you think you can estimate the speed of the object?

(Circle One) (Yes) No

IF you answered YES, then what speed would you estimate? from 225 - 250 m.p.h.

40. Do you think you can estimate how far away from you the object was?

(Circle One) (Yes) No

IF you answered YES, then how far away would you say it was? approx 400 feet. confirmed by L.C.O.

41. Please give the following information about yourself:

NAME [redacted] (Last Name) [redacted] (First Name) [redacted] (Middle Name)

ADDRESS [redacted] (Street) Carswell AFB; Fort Worth; Texas (City, Zone, State)

TELEPHONE NUMBER [redacted]

What is your present job? Control Tower Operator at Carswell AFB

Age 25 Sex M

Please indicate any special educational training that you have had.

a. Grade school _____
b. High school _____
c. College _____
d. Post graduate _____
e. e. Technical school _____
(Type) _____
f. Other special training _____
_____

42. Date you completed this questionnaire: 10 (Day) Feb. (Month) 1957 (Year)

34. What were the weather conditions at the time you saw the object?

34.1 CLOUDS *(Circle One)*

(a) Clear sky
b. Hazy
c. Scattered clouds
d. Thick or heavy clouds
e. Don't remember

34.2 WIND *(Circle One)*

a. No wind
(b) Slight breeze
c. Strong wind
d. Don't remember

34.3 WEATHER *(Circle One)*

(a) Dry
b. Fog, mist, or light rain
c. Moderate or heavy rain
d. Snow
e. Don't remember

34.4 TEMPERATURE *(Circle One)*

a. Cold
(b) Cool
c. Warm
d. Hot
e. Don't remember

35. When did you report to some official that you had seen the object?

4 (Day) Feb (Month) 1954 (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 they see the object too?

(Circle One) (Yes) No

36.2 Please list their names and addresses:

statement submitted herewith

37. Was this the first time that you had seen an object or objects like this?

– *(Circle One)* - (Yes) No

37.1 IF you answered NO, then when, where, and under what circumstances did you see other ones?

38. In your opinion what do you think the object was and what might have caused it?

very similar to a B-36, in wing & speed, yet no engine noise, & whist it was a plane, possibly with the engines in reduced pwr.

4/1c "el"

Stated was not like any aircraft he had ever seen before. Similar to a C-54 and B-36. - Had navigational lights (conventional flashing) - No noise whatsoever. No change in altitude at any time while observing. Engines visible on any part of aircraft. - Contact was tried by radio U/H/F (B,C,D,E) and U/H/F (1)

Seemed to observer very much like an aircraft, without sound.

Form B

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 questionnaire, 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 [redacted]
(Please Print)

SIGN [redacted]

DATE 7 Feb 1954

(Do Not Write In This Space)

CODE:

Form A

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 unidentified aerial phenomenon that you have observed. Please try to answer as many questions as you possibly can. The information that you give will 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?

4 (Day) FEB (Month) 54 (Year)

2. Time of day: 11 (Hour) 00 (Minutes)

(Circle One): A.M. or (P.M.)

3. Time zone:

(Circle One):
a. Eastern
(b. Central)
c. Mountain
d. Pacific
e. Other _____

(Circle One):
a. Daylight Saving
(b. Standard)

4. Where were you when you saw the object?

1921-3 AACS DETACHMENT (Nearest Postal Address) FORT WORTH (City or Town) TEXAS (State or Country)

Additional remarks: _____

5. Estimate how long you saw the object. — (Hours) — (Minutes) 45 (Seconds)

5.1 Circle one of the following to indicate how certain you are of your answer to Question 5.

a. Certain
(b. Fairly certain)
c. Not very sure
d. Just a guess

6. What was the condition of the sky?

(Circle One):
a. Bright daylight
b. Dull daylight
c. Bright twilight
d. Just a trace of daylight
(e. No trace of daylight)
f. Don't remember

7. IF you saw the object during DAYLIGHT, TWILIGHT, or DAWN, where was the SUN located as you looked at the object?

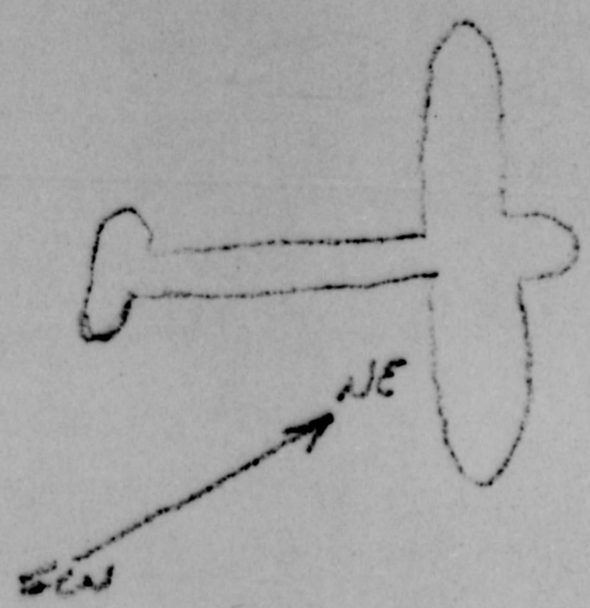
(Circle One):
a. In front of you
b. In back of you
c. To your right
d. To your left
e. Overhead
f. Don't remember

16. Tell in a few words the following things about the object.

a. Sound THERE WAS NO SOUND WHAT SOEVER FROM THE OBJECT

b. Color COULD NOT BE DETERMINED AS IT WAS NIGHT

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 an arrow beside the drawing to show the direction the object was moving.



THE OBJECT APPEARED TO BE SHAPED LIKE AN AIRCRAFT.
THE OBJECT APPEARED TO BE LARGER THAN A B-36.

18. The edges of the object were:

(Circle One): a. Fuzzy or blurred
b. Like a bright star
c. Sharply outlined
d. Don't remember

e. Other THE OBJECT WAS A GRAY MASS AGAINST A DARK BACKGROUND. EDGES WERE FAIRLY CLEAR, ENOUGH SO TO DETERMINE SHAPE.

19. IF there was MORE THAN ONE object, then how many were there? _____
Draw a picture of how they were arranged, and put an arrow to show the direction that they were traveling.

NA

8. IF you saw the object at NIGHT, TWILIGHT, or DAWN, what did you notice concerning the STARS and MOON?

8.1 STARS *(Circle One)*:

a. None
b. A few
(c. Many)
d. Don't remember

9.2 MOON *(Circle One)*:

a. Bright moonlight
(b. Dull moonlight)
c. No moonlight — pitch dark
d. Don't remember

9. Was the object brighter than the background of the sky? N/A

(Circle One): a. Yes (b. No) c. Don't remember

10. IF it was BRIGHTER THAN the sky background, was the brightness like that of an automobile headlight?:

NA

(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

11. Did the object: *(Circle One for each question)*

a. Appear to stand still at any time?	Yes	(No)	Don't Know
b. Suddenly speed up and rush away at any time?	Yes	(No)	Don't Know
c. Break up into parts or explode?	Yes	(No)	Don't Know
d. Give off smoke?	Yes	(No)	Don't Know
e. Change brightness?	Yes	(No)	Don't Know
f. Change shape?	Yes	(No)	Don't Know
g. Flicker, throb, or pulsate?	Yes	(No)	Don't Know

12. Did the object move behind something at anytime, particularly a cloud?

(Circle One): Yes (No) Don't Know. IF you answered YES, then tell what it moved behind: _____

13. Did the object move in front of something at anytime, particularly a cloud?

(Circle One): Yes (No) Don't Know. IF you answered YES, than tell what it moved in front of: _____

14. Did the object appear: *(Circle One)*: (a. Solid?) b. Transparent? c. Don't Know.

15. Did you observe the object through any of the following?

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
d. Window glass	Yes	No	h. Other _____		

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 _____

26. Were you *(Circle One)*

a. In the business section of a city?
b. In the residential section of a city?
c. In open countryside?
d. Flying near an airfield?
e. Flying over a city?
f. Flying over open country?
g. Other NEAR THE CONTROL TOWER AT CARSWELL A F B.

27. What were you doing at the time you saw the object, and how did you happen to notice it?

ON MY WAY TO DUTY AND NOTICED THAT PERSONNEL IN THE TOWER WERE WATCHING SOMETHING IN THE SKY. I LOOKED UP AND SPOTTED THE OBJECT AND OBSERVED IT UNTIL OUT OF SIGHT HIDDEN BY BUILDING.

28. IF you were MOVING IN AN AUTOMOBILE or other vehicle at the time, then complete the following questions:

28.1 What direction were you moving? *(Circle One)*

a. North
b. Northeast
c. East
d. Southeast
e. South
f. Southwest
g. West
h. Northwest

28.2 How fast were you moving? _____ miles per hour. NA

28.3 Did you stop at any time while you were looking at the object?

(Circle One) Yes No

29. What direction were you looking when you first saw the object? *(Circle One)*

ALMOST STRAIGHT UP.

a. North
b. Northeast
c. East
d. Southeast
e. South
f. Southwest
g. West
h. Northwest

30. What direction were you looking when you last saw the object? *(Circle One)*

a. North
(b. Northeast)
c. East
d. Southeast
e. South
f. Southwest
g. West
h. Northwest

31. If you are familiar with bearing terms (angular direction), try to estimate the number of degrees the object was from true North and also the number of degrees it was upward from the horizon (elevation).

31.1 When it first appeared:

a. From true North 220 degrees.
b. From horizon 70° degrees.

31.2 When it disappeared:

a. From true North 60 degrees.
b. From horizon 52 degrees.

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

THERE WERE NO CHANGES IN THE PATH AS I OBSERVED THE OBJECT. THE OBJECT PASSED OVERHEAD FROM SOUTH TO NORTHEAST

21. IF POSSIBLE, try to guess or estimate what the real size of the object was in its longest dimension.
500 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
b. Pea
c. Dime
d. Nickel
e. Quarter
f. Half dollar
g. Silver dollar
h. Baseball
(i. Grapefruit)
j. Basketball
k. Other _____

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

a. Certain
(b. Fairly certain)
c. Not very sure
d. Uncertain

23. How did the object or objects disappear from view? OBJECT AFTER CIRCLING A CIVIL FIELD NE TWO OR THREE TIMES PASSED ON FROM VIEW LAST BOUND

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.

CONSTRUCTED OF METALS USED IN AIRCRAFT AND WOULD BE LARGER THAN A B-36 TYPE AIRCRAFT. THE SHAPE WOULD BE AS AN AIRCRAFT WITH WINGS AND TAIL. COMPARISON TO COMMON OBJECTS: ALMOST ANY CONVENTIONAL AIRCRAFT EXCEPT THE OBJECT APPEARED TO BE VERY LARGE IN SIZE

34. What were the weather conditions at the time you saw the object?

34.1 CLOUDS *(Circle One)*

a. (Clear sky)
b. Hazy
c. Scattered clouds
d. Thick or heavy clouds
e. Don't remember

34.2 WIND *(Circle One)*

a. No wind
b. (Slight breeze)
c. Strong wind
d. Don't remember

34.3 WEATHER *(Circle One)*

a. (Dry)
b. Fog, mist, or light rain
c. Moderate or heavy rain
d. Snow
e. Don't remember

34.4 TEMPERATURE *(Circle One)*

a. Cold
b. Cool
c. (Warm)
d. Hot
e. Don't remember

35. When did you report to some official that you had seen the object?

4 / FEB / 54
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 they see the object too?

(Circle One) Yes No

36.2 Please list their names and addresses:

37. Was this the first time that you had seen an object or objects like this?

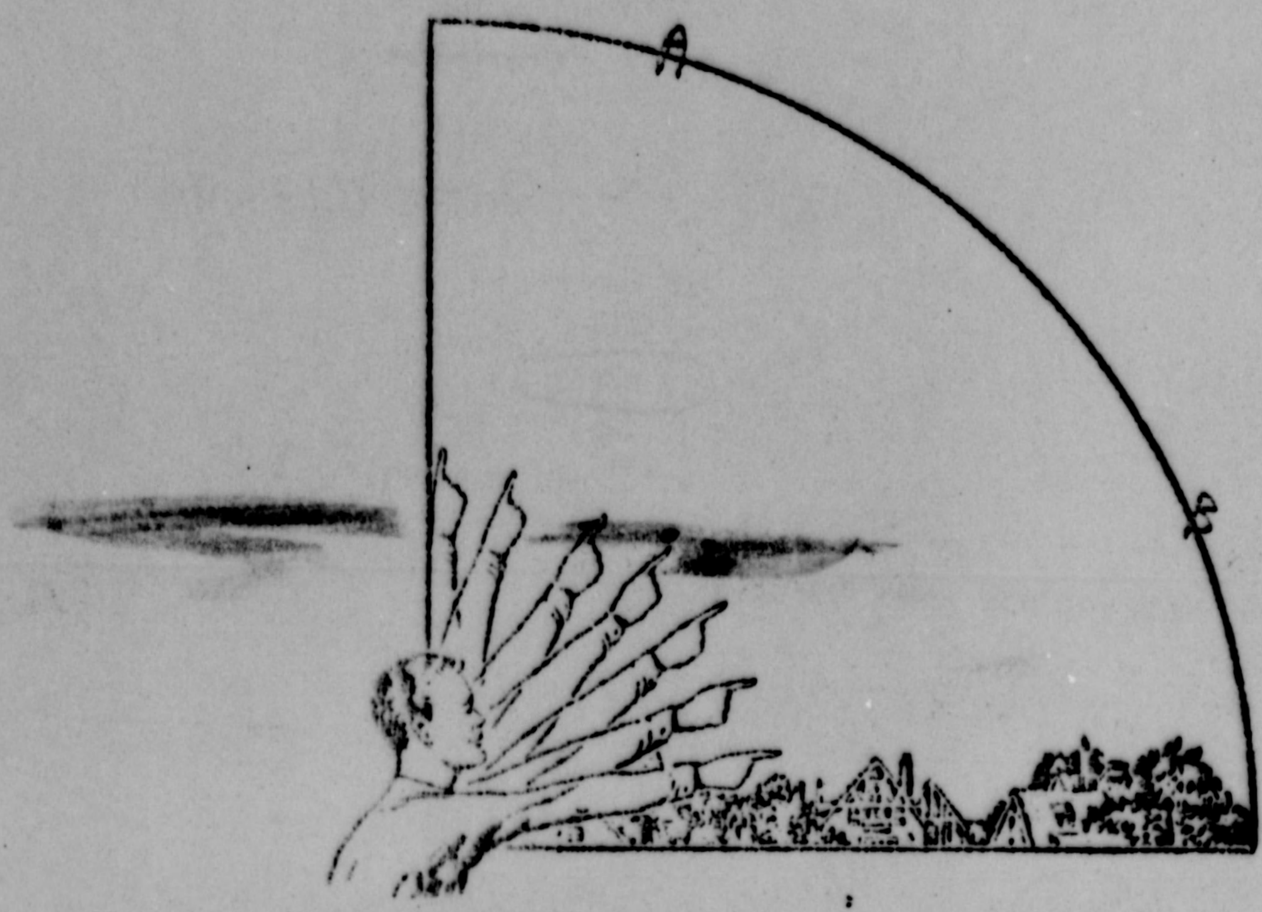
(Circle One) (Yes) No

37.1 IF you answered NO, then when, where, and under what circumstances did you see other ones?

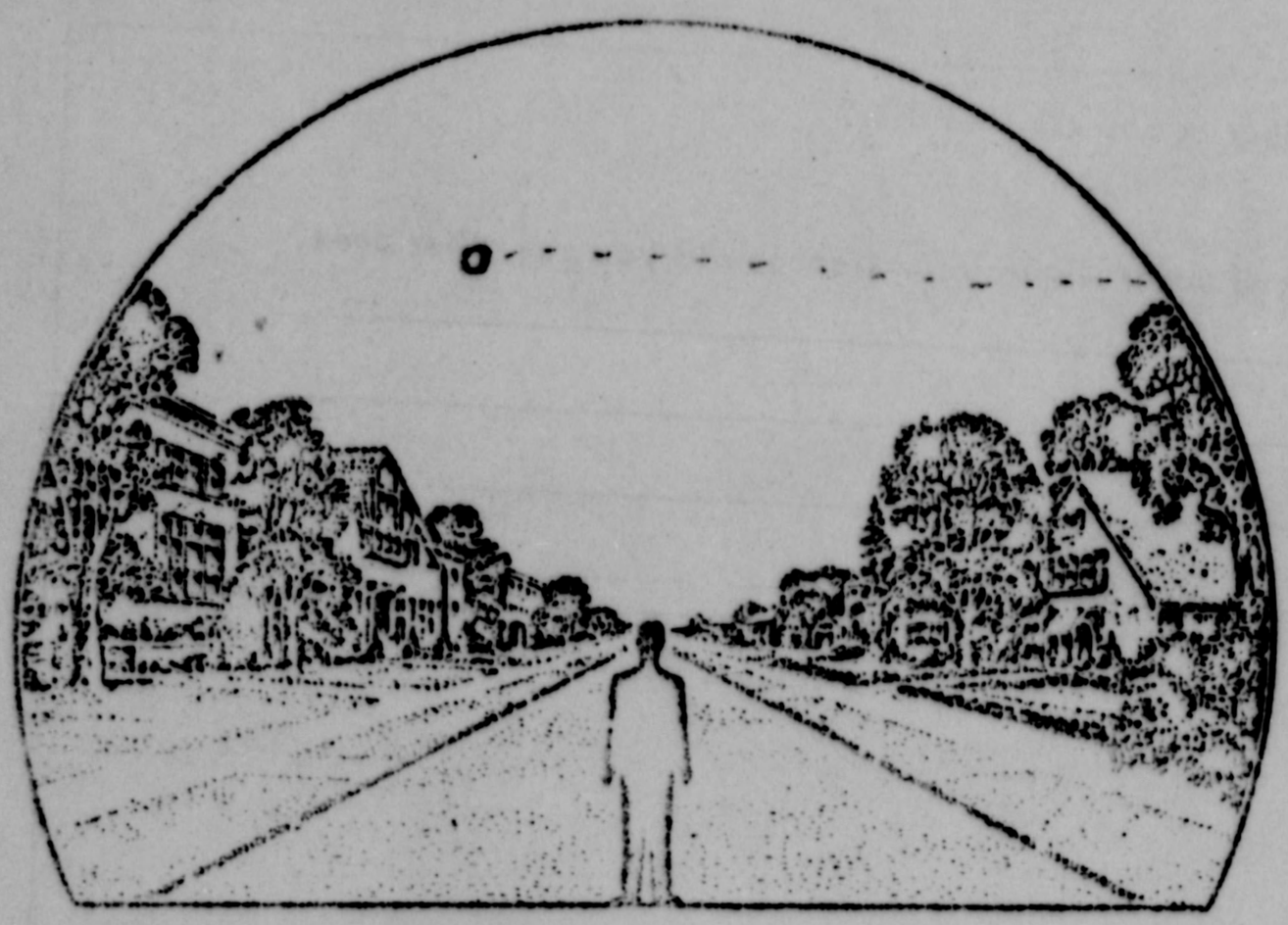
38. In your opinion what do you think the object was and what might have caused it?

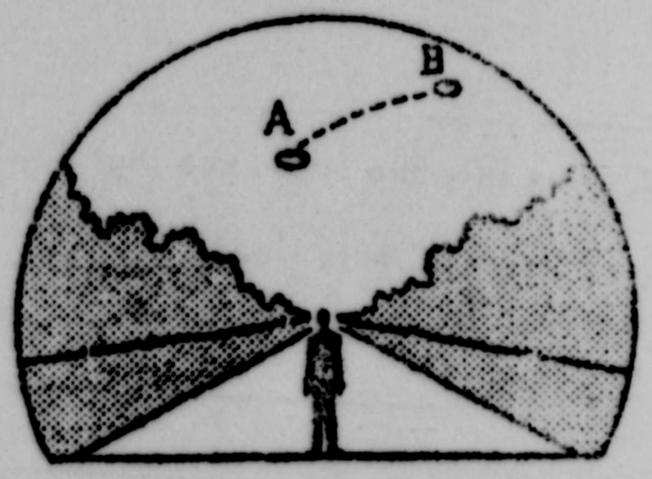
I HAVE NO IDEA WHAT OBJECT WAS OR WHAT CAUSED IT.

32. In the following sketch, imagine that you are at the point shown. Place an "A" on the curved line to show how high the object was above the horizon (skyline) when 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 larger 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. Refer to smaller sketch as an example of how to complete the larger sketch.





39. Do you think you can estimate the speed of the object?

(Circle One) (Yes) No

IF you answered YES, then what speed would you estimate? 200 m.p.h.

40. Do you think you can estimate how far away from you the object was?

(Circle One) (Yes) No

IF you answered YES, then how far away would you say it was? 300 - 4000 feet.

41. Please give the following information about yourself:

NAME [redacted] (Last Name) [redacted] (First Name) [redacted]

ADDRESS [redacted] FORT WORTH (City) CARSWELL AFB (Zone) TEX (State)

TELEPHONE NUMBER [redacted]

What is your present job? CONTROL TOWER TECHNICIAN

Age 23 Sex M

Please indicate any special educational training that you have had.

a. Grade school ✓
b. High school
c. College
d. Post graduate
e. e. Technical school
(Type)
f. Other special training CONTROL TOWER OPERATOR
AIR ROUTE TRAFFIC CONTROL COURSE

42. Date you completed this questionnaire: 10 (Day) FEB (Month) 54 (Year)

Form 8

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 questionnaire, 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 [redacted]

SIGNATURE [redacted]

DATE 10 FEB 1954

(Do Not Write in This Space)

CODE:

I first observed the object approximately 2300C when I was on my way to work in the Control Tower. I observed personnel in the tower watching the sky and looked up and spotted the object. The speed was in no way excessive and I can recall only one blinking amber light on the under side of the object. It appeared in the shape of a very large aircraft and what attracted my attention was that there was no engine noise what so ever for what I thought was an aircraft and later learned was reported to be an unidentified object. I observed the object for about 45 seconds when it was hidden from my view by buildings. I also observed the light from the object as it circled a civil field [illegible] I observed [illegible] I then proceeded to my [illegible] and [illegible] was relieved from the Control Tower

Form A

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 unidentified aerial phenomenon that you have observed. Please try to answer as many questions as you possibly can. The information that you give will 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?

Day	Month	Year
	FEB	54

2. Time of day: 23 Hour 05 Minutes

(Circle One): A.M. or (P.M.)

3. Time zone:

(Circle One): a. Eastern
b. (Central)
c. Mountain
d. Pacific
e. Other _____

(Circle One): a. Daylight Saving
(b. Standard)

4. Where were you when you saw the object?

Nearest Postal Address	City or Town	State or Country
12th AACS Sqd CAFB	FT Worth	Tex

Additional remarks: On Duty in Control Tower AT CAFB

5. Estimate how long you saw the object.

Hours	Minutes	Seconds
	10	

5.1 Circle one of the following to indicate how certain you are of your answer to Question 5.

a. Certain
b. (Fairly certain)
c. Not very sure
d. Just a guess

6. What was the condition of the sky?

(Circle One): a. Bright daylight
b. Dull daylight
c. Bright twilight
d. Just a trace of daylight
e. (No trace of daylight)
f. Don't remember

7. IF you saw the object during DAYLIGHT, TWILIGHT, or DAWN, where was the SUN located as you looked at the object?

(Circle One): a. In front of you
b. In back of you
c. To your right
d. To your left
e. Overhead
f. Don't remember

8. IF you saw the object at NIGHT, TWILIGHT, or DAWN, what did you notice concerning the STARS and MOON?

8.1 STARS *(Circle One)*:

a. None
b. A few
c. Many
d. Don't remember

8.2 MOON *(Circle One)*:

a. Bright moonlight
b. Dull moonlight
c. No moonlight — pitch dark
d. Don't remember

9. 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 THAN the sky background, was the brightness like that 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

11. Did the object: *(Circle One for each question)*

a. Appear to stand still at any time?	Yes	No	Don't Know
b. Suddenly speed up and rush away at any time?	Yes	No	Don't Know
c. Break up into parts or explode?	Yes	No	Don't Know
d. Give off smoke?	Yes	No	Don't Know
e. Change brightness?	Yes	No	Don't Know
f. Change shape?	Yes	No	Don't Know
g. Flicker, throb, or pulsate?	Yes	No	Don't Know

12. Did the object move behind something at anytime, particularly a cloud?

(Circle One): Yes No Don't Know. IF you answered YES, then tell what it moved behind: _____

_____

13. Did the object move in front of something at anytime, particularly a cloud?

(Circle One): Yes No Don't Know. IF you answered YES, than tell what it moved in front of: _____

_____

14. Did the object appear: *(Circle One)*: a. Solid? b. Transparent? c. Don't Know.

15. Did you observe the object through any of the following?

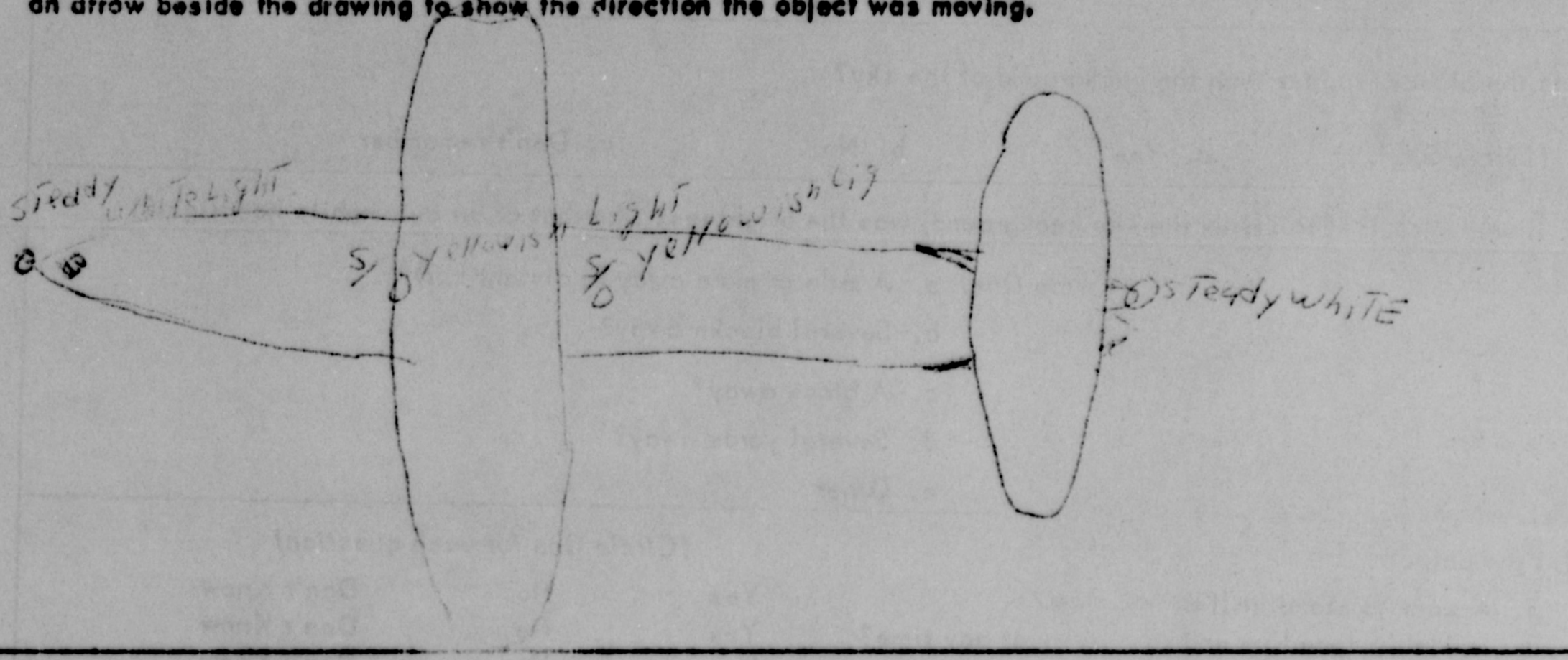
a. Eyeglasses	Yes	No	e. Binoculars	Yes	No
b. Sun glasses	Yes	No	f. Telescope	Yes	No
c. Windshield	Yes	No	g. Theodolite	Yes	No
d. Window glass	Yes	No	h. Other _____		

16. Tell in a few words the following things about the object.

a. Sound No Sound was heard, as large as a B-36

b. Color Grayish in Color

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 an arrow beside the drawing to show the direction the object was moving.

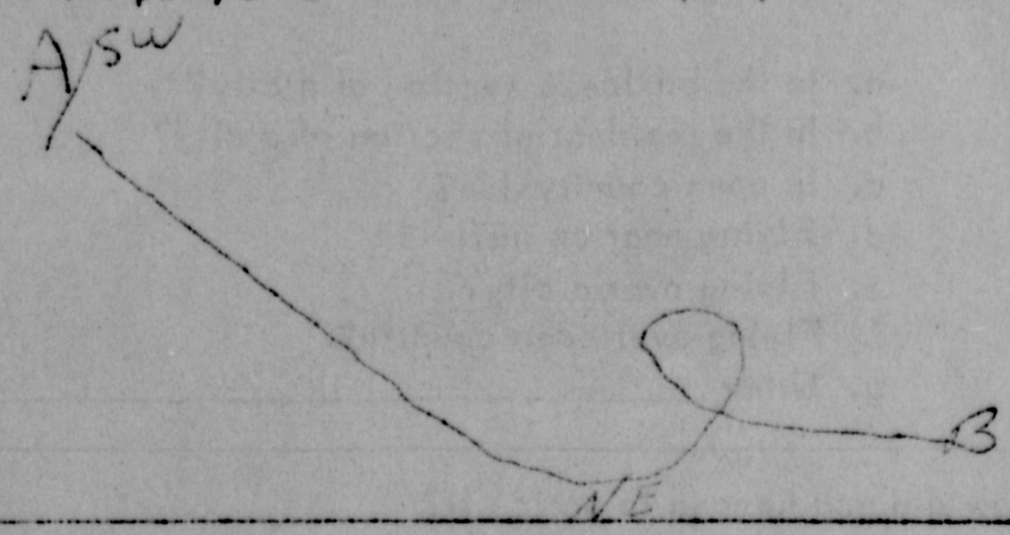


18. The edges of the object were:

(Circle One): a. Fuzzy or blurred
b. Like a bright star
c. Sharply outlined
d. Don't remember
e. Other _____

19. IF there was MORE THAN ONE object, then how many were 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 beginning of the path, a "B" at the end of the path, and show any changes in direction during the course.



21. IF POSSIBLE, try to guess or estimate what the real size of the object was in its longest dimension.
225 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
b. Pea
c. Dime
d. Nickel
e. Quarter
f. Half dollar
g. Silver dollar
h. Baseball
i. Grapefruit
j. Basketball
k. Other _____

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

a. Certain
b. Fairly certain
c. Not very sure
d. Uncertain

23. How did the object or objects disappear from view? Followed Its Flight with Binoculars until I was Lost From Sight Visual

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.

To me The object Looked Like An oversized DC-6 but appeared To be Larger Than a B-36 But was NOT equipped with engines or jets. The object Seemed To glide Thru The air without The use of engines or jets

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 Outside room of Control Tower

26. Were you *(Circle One)*

a. In the business section of a city?
b. In the residential section of a city?
c. In open countryside?
d. Flying near an airfield?
e. Flying over a city?
f. Flying over open country?
g. Other In Control Tower

27. What were you doing at the time you saw the object, and how did you happen to notice it?

I was on the lookout for unidentified objects when GCA advised Tower of an object moving from SW to NE

28. IF you were MOVING IN AN AUTOMOBILE or other vehicle at the time, then complete the following questions:

28.1 What direction were you moving? *(Circle One)*

a. North
b. Northeast
c. East
d. Southeast
e. South
f. Southwest
g. West
h. Northwest

28.2 How fast were you moving? _____ miles per hour.

28.3 Did you stop at any time while you were looking at the object?

(Circle One) Yes No

29. What direction were you looking when you first saw the object? *(Circle One)*

a. North
b. Northeast
c. East
d. Southeast
e. South
f. Southwest
g. West
h. Northwest

30. What direction were you looking when you last saw the object? *(Circle One)*

a. North
b. Northeast
c. East
d. Southeast
e. South
f. Southwest
g. West
h. Northwest

31. If you are familiar with bearing terms (angular direction), try to estimate the number of degrees the object was from true North and also the number of degrees it was upward from the horizon (elevation).

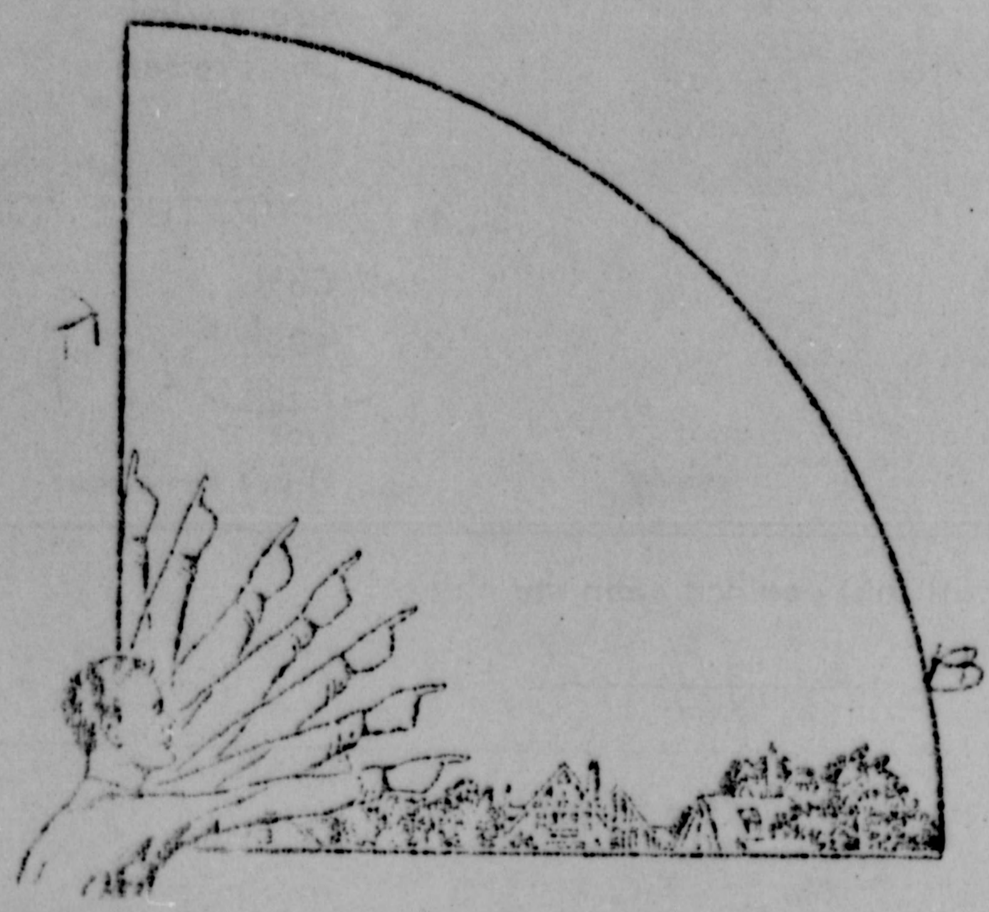
31.1 When it first appeared:

a. From true North _____ degrees.
b. From horizon _____ degrees.

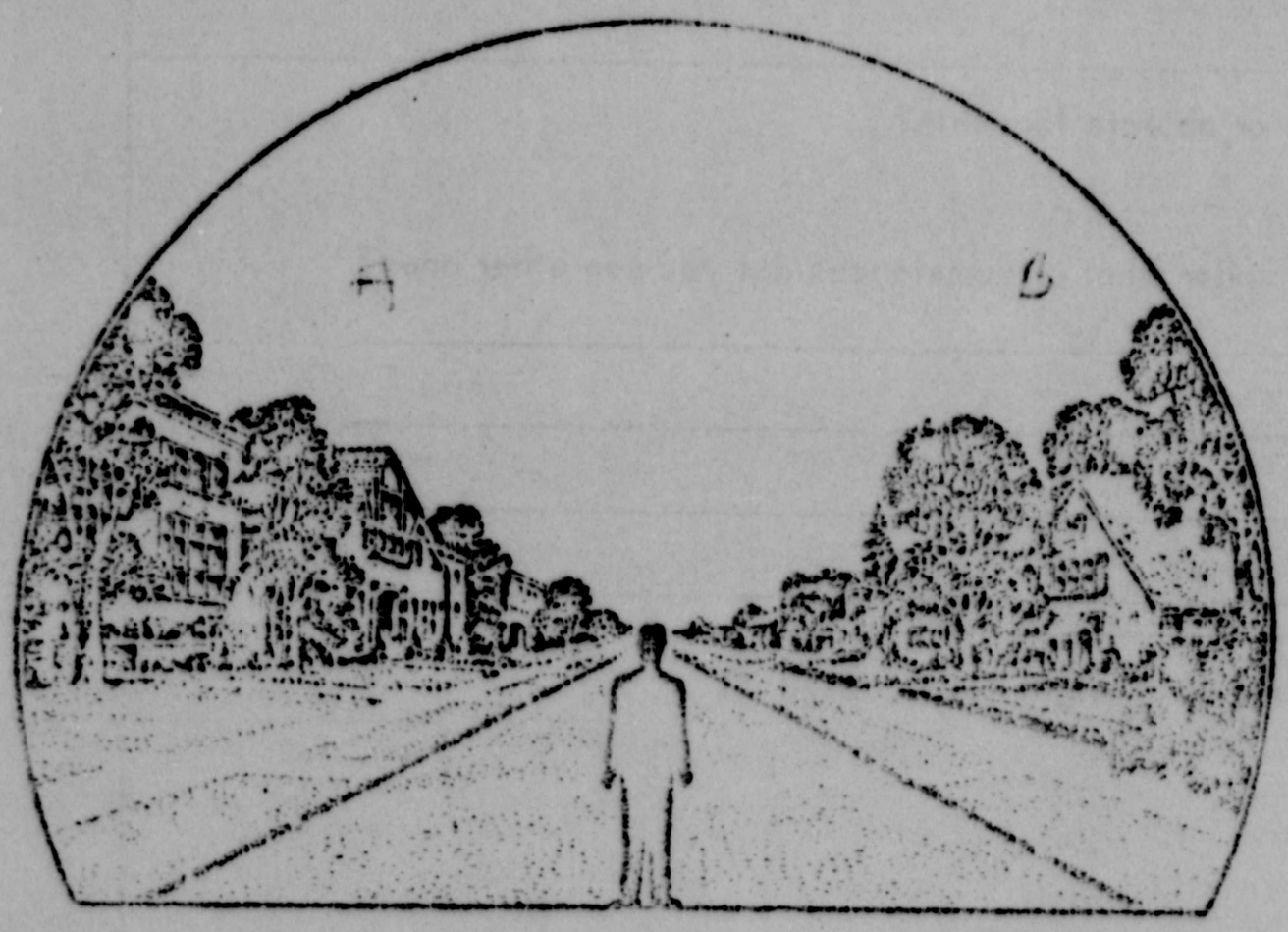
31.2 When it disappeared:

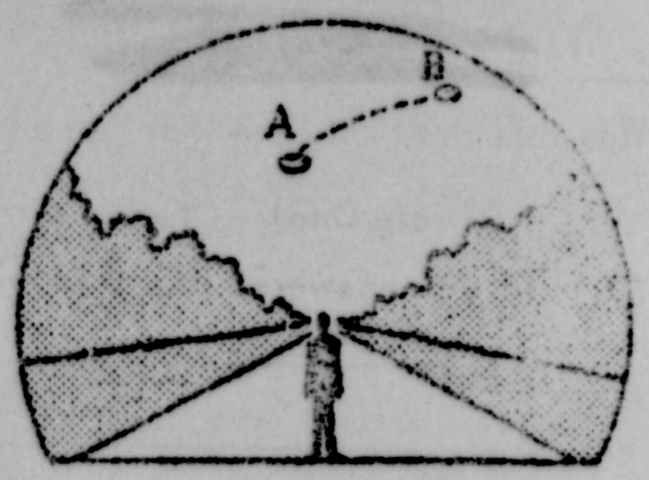
a. From true North _____ degrees.
b. From horizon _____ degrees.

32. In the following sketch, imagine that you are at the point shown. Place an "A" on the curved line to show how high the object was above the horizon (skyline) when 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 larger 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. Refer to smaller sketch as an example of how to complete the larger sketch.





34. What were the weather conditions at the time you saw the object?

34.1 CLOUDS *(Circle One)*

a. (Clear sky)
b. Hazy
c. Scattered clouds
d. Thick or heavy clouds
e. Don't remember

34.2 WIND *(Circle One)*

a. No wind
b. Slight breeze
c. Strong wind
d. Don't remember

34.3 WEATHER *(Circle One)*

a (Dry)
b. Fog, mist, or light rain
c. Moderate or heavy rain
d. Snow
e. Don't remember

34.4 TEMPERATURE *(Circle One)*

a. Cold
b. Cool
c. (Warm) 50°F
d. Hot
e. Don't remember

35. When did you report to some official that you had seen the object?

4 / Feb / 54
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 they see the object too?

(Circle One) (Yes) No

36.2 Please list their names and addresses:

A/2c [redacted]
A/1c
T/Sgt

37. Was this the first time that you had seen an object or objects like this?

(Circle One) (Yes) No

37.1 IF you answered NO, then when, where, and under what circumstances did you see other ones?

38. In your opinion what do you think the object was and what might have caused it?

No idea, [redacted]

39. Do you think you can estimate the speed of the object?

(Circle One) Yes No

IF you answered YES, then what speed would you estimate? 240-250 m.p.h.

40. Do you think you can estimate how far away from you the object was?

(Circle One) Yes No

IF you answered YES, then how far away would you say it was? 3000-4000 overhead feet.

41. Please give the following information about yourself:

NAME [redacted] (Last Name) [redacted] (First Name) [redacted] (Middle Name)

ADDRESS [redacted] (Street) Ft Worth (City) 7 (Zone) Texas (State)

TELEPHONE NUMBER [redacted]

What is your present job? USAF - Control Tower Operator CAFB

Age 22 Sex Male

Please indicate any special educational training that you have had.

a. Grade school
b. High school
c. College
d. Post graduate
e. e. Technical school Control Tower
(Type) Chester AFB
f. Other special training Control Tower Technician (77170) KAFB

42. Date you completed this questionnaire: 10 (Day) Feb (Month) 54 (Year)

Form B

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 questionnaire, 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 [redacted]
(Please Print)

SIGNATURE [redacted]

DATE 10 Nov 54

(Do Not Write in This Space)

CODE:

Object first
C. Pilot saw
at approximately 5 mile SW of the field with circular
at first low in visual contact until he disappeared from
sight. Object flew overhead and noticed very steady
that he had no engine + no pts visible. Object appeared
to be a grey mass of angles larger in size than a
B-36 - Noticed only lights visible to me were 4 lights
underlining fuselage, steady white light in nose
steady, yellowish along fuselage and a steady
white light in rear. No lights appeared on wing tips

Form A

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 unidentified aerial phenomenon that you have observed. Please try to answer as many questions as you possibly can. The information that you give will 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?

4 (Day) Feb. (Month) 1954 (Year)

2. Time of day: 2300 (Hour) 25 (Minutes)

(Circle One): A.M. or (P.M.)

3. Time zone:

(Circle One): a. Eastern
(b. Central)
c. Mountain
d. Pacific
e. Other _____

(Circle One): a. Daylight Saving
b. Standard
(c.) CST

4. Where were you when you saw the object?

Control Tower (Nearest Postal Address) Fort Worth (City or Town) Texas (State or Country)

Additional remarks: 1921-3 HRS

5. Estimate how long you saw the object. _____ (Hours) 15 (Minutes) _____ (Seconds)

5.1 Circle one of the following to indicate how certain you are of your answer to Question 5.

(a.) Certain
b. Fairly certain
c. Not very sure
d. Just a guess

6. What was the condition of the sky?

(Circle One):
a. Bright daylight
b. Dull daylight
c. Bright twilight
d. Just a trace of daylight
(e.) No trace of daylight
f. Don't remember

7. IF you saw the object during DAYLIGHT, TWILIGHT, or DAWN, where was the SUN located as you looked at the object?

(Circle One):
a. In front of you
b. In back of you
c. To your right
d. To your left
e. Overhead
f. Don't remember

8. IF you saw the object at NIGHT, TWILIGHT, or DAWN, what did you notice concerning the STARS and MOON?

8.1 STARS (*Circle One*):

a. None
(b) A few
c. Many
d. Don't remember

8.2 MOON (*Circle One*):

a. Bright moonlight
b. Dull moonlight
c. No moonlight — pitch dark
d. Don't remember

9. 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 THAN the sky background, was the brightness like that 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

11. Did the object: (*Circle One for each question*)

a. Appear to stand still at any time?	Yes	(No)	Don't Know
b. Suddenly speed up and rush away at any time?	Yes	(No)	Don't Know
c. Break up into parts or explode?	Yes	(No)	Don't Know
d. Give off smoke?	Yes	(No)	Don't Know
e. Change brightness?	Yes	(No)	Don't Know
f. Change shape?	Yes	(No)	Don't Know
g. Flicker, throb, or pulsate?	Yes	(No)	Don't Know

12. Did the object move behind something at anytime, particularly a cloud?

(*Circle One*): Yes (No) Don't Know. IF you answered YES, then tell what it moved behind: _____

13. 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: _____

14. Did the object appear: (*Circle One*): (a) Solid? b. Transparent? c. Don't Know.

15. Did you observe the object through any of the following?

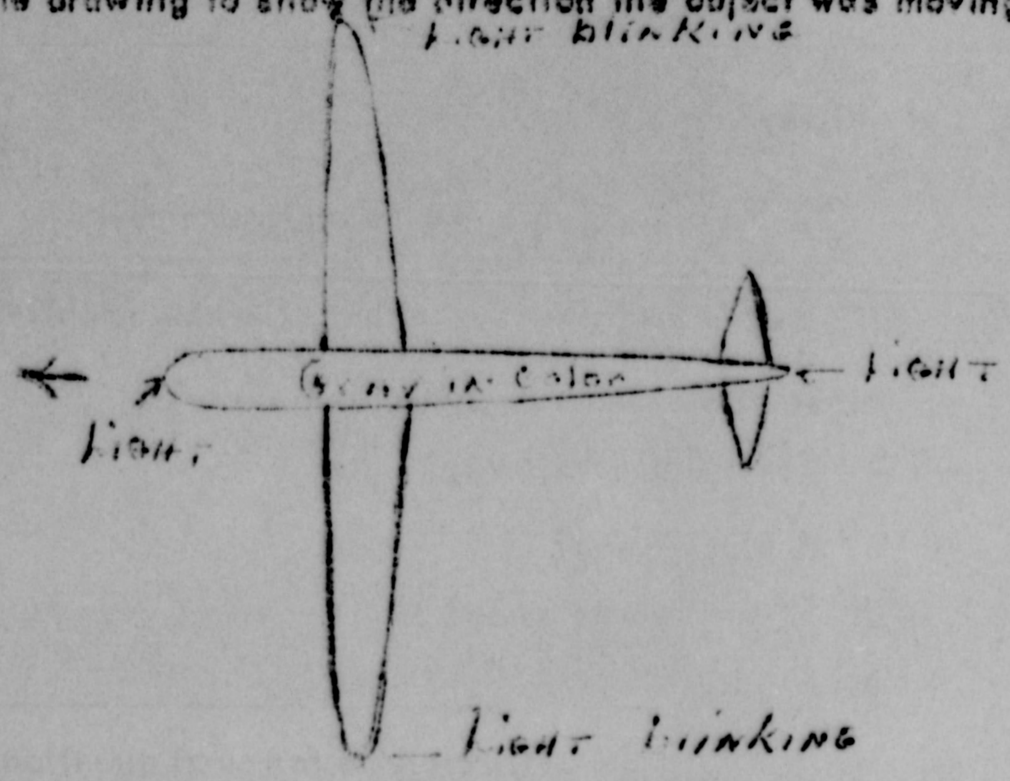
a. Eyeglasses	(Yes)	No	e. Binoculars	(Yes)	No
b. Sun glasses	Yes	(No)	f. Telescope	Yes	(No)
c. Windshield	Yes	(No)	g. Theodolite	Yes	(No)
d. Window glass	(Yes)	No	h. Other _____		

16. Tell in a few words the following things about the object.

a. Sound No sound

b. Color It was a dull gray.

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 an arrow beside the drawing to show the direction the object was moving.



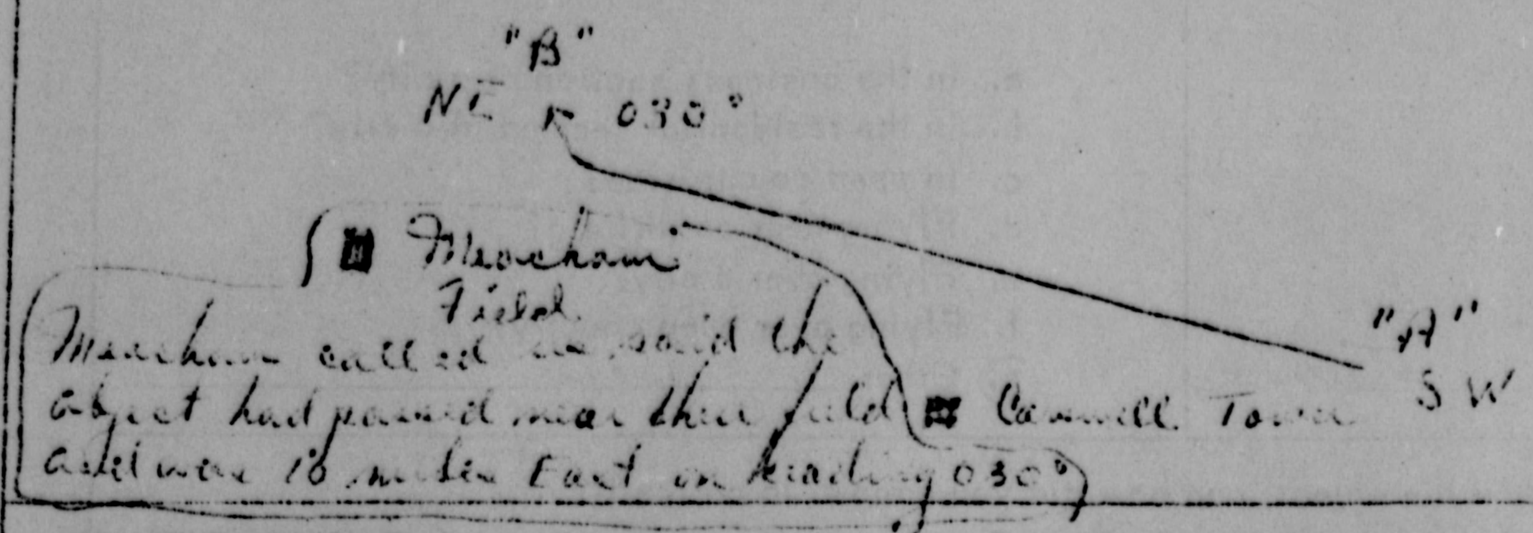
18. The edges of the object were:

(Circle One): a. Fuzzy or blurred
b. Like a bright star
(c) Sharply outlined
d. Don't remember

e. Other _____

19. IF there was MORE THAN ONE object, then how many were 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 beginning of the path, a "B" at the end of the path, and show any changes in direction during the course.



Pleasham called us said the object had passed near them (old Cannell Town site was 18 miles East on heading 030°)

21. IF POSSIBLE, try to guess or estimate what the real size of the object was in its longest dimension.
225 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
b. Pea
c. Dime
d. Nickel
e. Quarter
f. Half dollar
g. Silver dollar
h. Baseball
i. Grapefruit
(j.) Basketball
k. Other _____

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

a. Certain
b. Fairly certain
c. Not very sure
d. Uncertain

23. How did the object or objects disappear from view? just out of sight at about 030° from Pleasham

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 some type of material as a B-36. It would be as large as a B-36 or larger. It would have a long narrow body + thin wings not swept back. It would be similar to a B-36 but the engine mounting would not result to me. The body was long + thin as were the wings.

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 Control tower or catwalk

26. Were you *(Circle One)*

a. In the business section of a city?
b. In the residential section of a city?
c. In open countryside?
d. Flying near an airfield?
e. Flying over a city?
f. Flying over open country?
(g.) Other Air field

27. What were you doing at the time you saw the object, and how did you happen to notice it?

I was working in the Control Tower and P.C.A called me and said and object was heading in a heading SW to NE a watched with the glasses + then saw it with my eyes

28. IF you were MOVING IN AN AUTOMOBILE or other vehicle at the time, then complete the following questions:

28.1 What direction were you moving? *(Circle One)*

a. North
b. Northeast
c. East
d. Southeast
e. South
f. Southwest
g. West
h. Northwest

28.2 How fast were you moving? _____ miles per hour.

28.3 Did you stop at any time while you were looking at the object?

(Circle One) Yes No

29. What direction were you looking when you first saw the object? *(Circle One)*

a. North
b. Northeast
c. East
d. Southeast
e. South
(f.) Southwest
g. West
h. Northwest

30. What direction were you looking when you last saw the object? *(Circle One)*

a. North
(b.) Northeast
c. East
d. Southeast
e. South
f. Southwest
g. West
h. Northwest

31. If you are familiar with bearing terms (angular direction), try to estimate the number of degrees the object was from true North and also the number of degrees it was upward from the horizon (elevation).

31.1 When it first appeared:

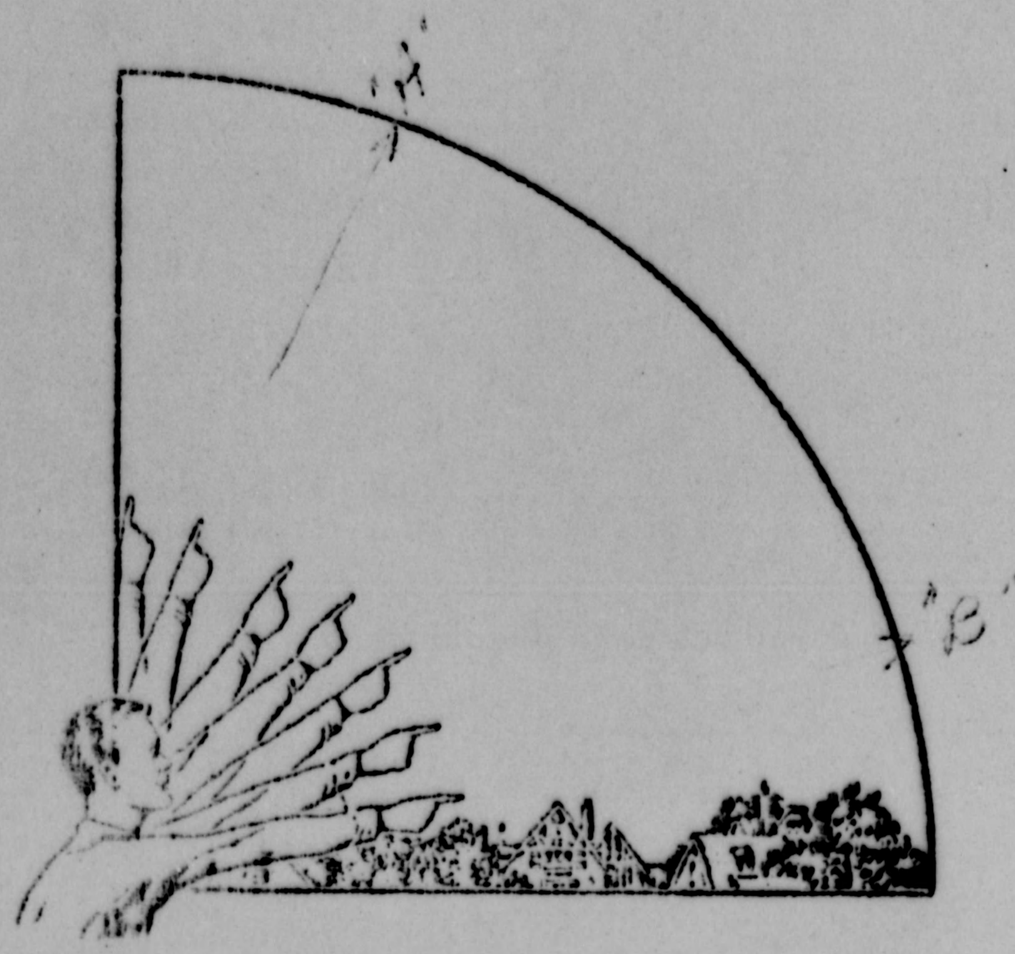
a. From true North 205° degrees.
b. From horizon 80° degrees.



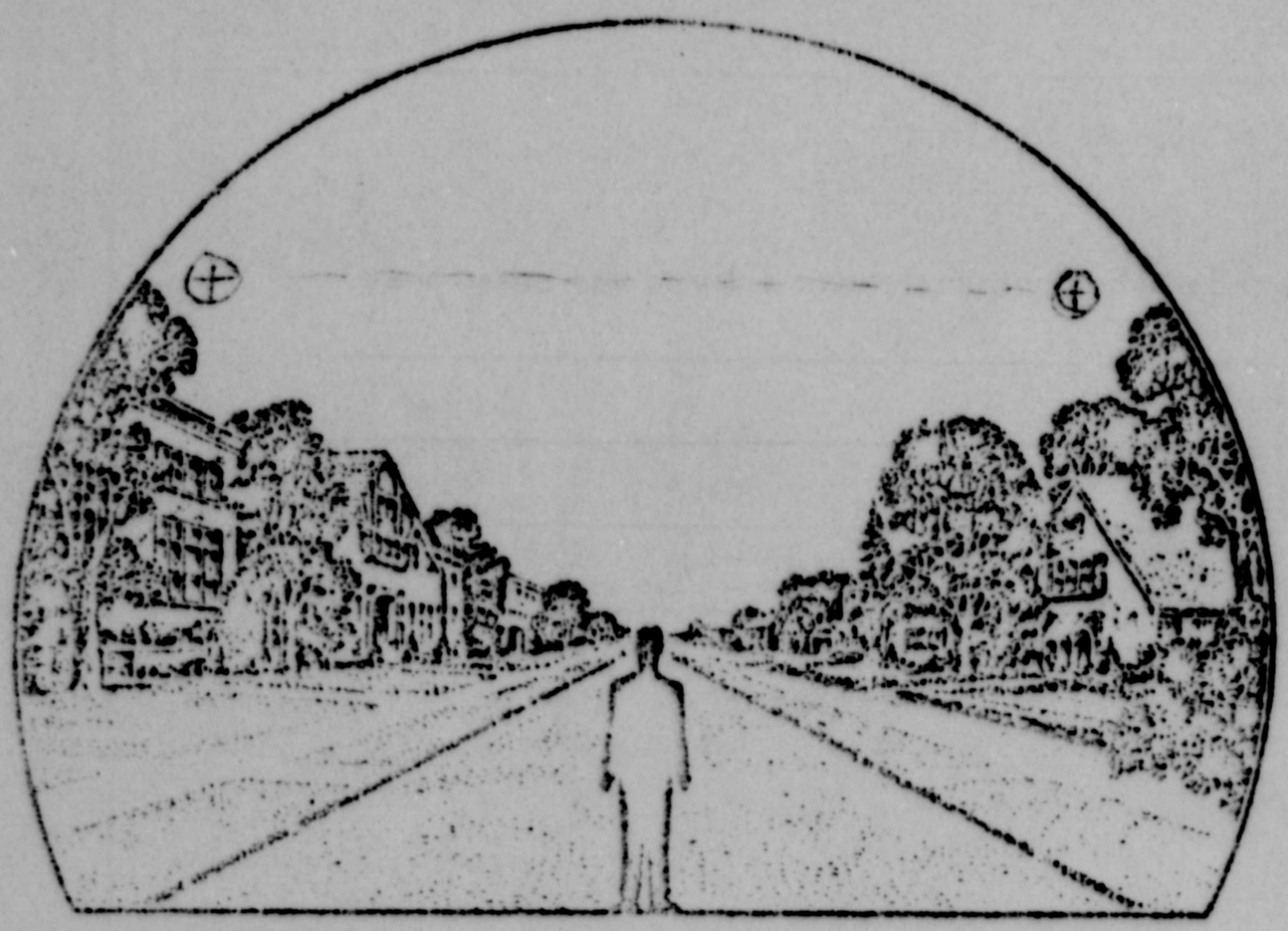
31.2 When it disappeared:

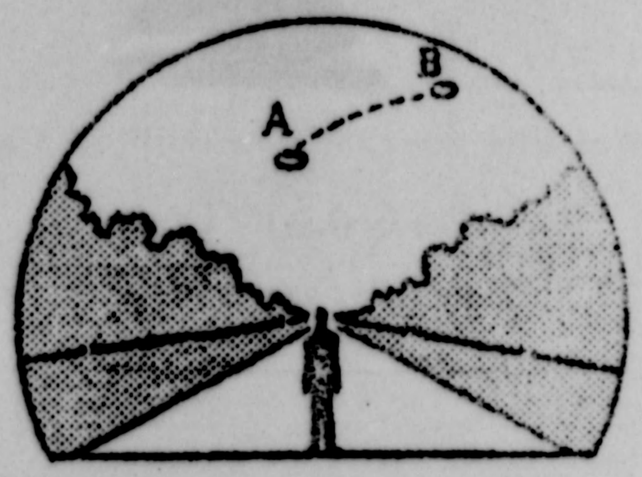
a. From true North 232° degrees.
b. From horizon 30° degrees.

32. In the following sketch, imagine that you are at the point shown. Place an "A" on the curved line to show how high the object was above the horizon (skyline) when 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 larger 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. Refer to smaller sketch as an example of how to complete the larger sketch.





34. What were the weather conditions at the time you saw the object?

34.1 CLOUDS *(Circle One)*

(a) Clear sky
b. Hazy
c. Scattered clouds
d. Thick or heavy clouds
e. Don't remember

34.2 WIND *(Circle One)*

a. No wind
(b) Slight breeze
c. Strong wind
d. Don't remember

34.3 WEATHER *(Circle One)*

(a) Dry
b. Fog, mist, or light rain
c. Moderate or heavy rain
d. Snow
e. Don't remember

34.4 TEMPERATURE *(Circle One)*

a. Cold
(b) Cool
c. Warm
d. Hot
e. Don't remember

35. When did you report to some official that you had seen the object?

4 Day — Feb Month — 1951 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 they see the object too?

(Circle One) (Yes) No

36.2 Please list their names and addresses:

A/1C [redacted] BOQ #4 AACS 1721-3 Barracks
A/1C [redacted] 2001 Thomas Place Ft Worth Texas
S/Sgt [redacted] BOQ #4 AACS 1721-3 Barracks
A/2C [redacted] Don't know.

37. Was this the first time that you had seen an object or objects like this?

(Circle One) (Yes) No

37.1 IF you answered NO, then when, where, and under what circumstances did you see other ones?

38. In your opinion what do you think the object was and what might have caused it?

An airplane of some kind.

39. Do you think you can estimate the *speed* of the object?

(Circle One) Yes No

IF you answered YES, then what speed would you estimate? 250 275 m.p.h.

40. Do you think you can estimate how far away from you the object was?

(Circle One) Yes No

IF you answered YES, then how far away would you say it was? 30 to 400 feet.

41. Please give the following information about yourself:

NAME [redacted] (Last Name) [redacted] (First Name) [redacted] (Middle Name)

ADDRESS [redacted] (Street) Fort Worth (City) (Zone) Texas (State)

TELEPHONE NUMBER [redacted]

What is your present job? Control Tower Operator

Age 20 Sex Male

Please indicate any special educational training that you have had.

a. Grade school yes
b. High school yes
c. College
d. Post graduate
e. e. Technical school Control Tower School
(Type) Approach Controler
f. Other special training

42. Date you completed this questionnaire: 10 (Day) 7th (Month) 1954 (Year)

Form B

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 questionnaire, 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 _____

(Do Not Write in This Space)

CODE:

4 FEB 05/0500Z CARSWELL AFB, TEXAS

TO: Colonel John A. O'Mara
Commander, ATIC

ATIAE-5/Capt Hardin/jos/73147
9 February 1954

MEMORANDUM FOR RECORD

PROBLEM:

1. To request approval for Capt C. A. Hardin and Mr. R. L. James to travel to Carswell Air Force Base, Fort Worth, Texas, for the purpose of determining the origin of a reported unidentified flying object.

FACTS AND DISCUSSION:

2. On 5 Feb 54 at 0500Z, a sighting was made in the vicinity of Carswell AFB by both visual observation and radar. The object was observed by all the Carswell Tower personnel on duty. All of the observers are considered reliable.

RECOMMENDATIONS:

3. This appears to be a significant case and complete investigation should be carried out. It is, therefore, recommended that Capt C. A. Hardin and Mr. R. L. James proceed to Carswell Air Force Base, Texas, for approximately 5 days TDY.

COORDINATION:

ATIAE Lt Col H. C. Johnston, Branch Chief _____

ATIA Col W. L. O'Hern, Division Chief _____

ATIM Col D. F. Justice, Office Chief _____

ATI Col J. A. O'Mara, Commander _____

List of people who can UFO's on 4 Feb 54.

GCA Operators

X T/Sgt. Farmer Holed - X Home until 11 Feb

X A/1c. Bruce Burke - On duty til 1730 - home phone No. 7021 phone 427

Tower Operators: //

T/Sgt. Riddle - on duty til 1630 - lives BOQ #4-280 Phone

2C Deane until 280

Airman Still - Off duty - 1700 - 10 Feb - 444

X Airman McConnell - On duty until 1730 today

X Airman Guinaugh - On duty til 1730 - off duty

X Airman Wells - On duty til 1730 - lives on BOQ #4 - Phone 280

* will be at wife's business until 1730 today (PE 0261) then home (CE 72686) until 0900 tomorrow then back to Shop (PE 0261) until 1730 Tomorrow evening.

McConnell

1. Job: Track-chief; supervisor + controller.

2. Was 1st to see object.

3. Steady white light on nose
2 yellowish lights under fuselage. (1 under wing - other 3/4 dist from nose).
1 steady white light on tail

4. Elliptical wing:: Claims actually seen.



5. Tail tip was very obvious and 2/3rds width of fuselage as it entered tail.

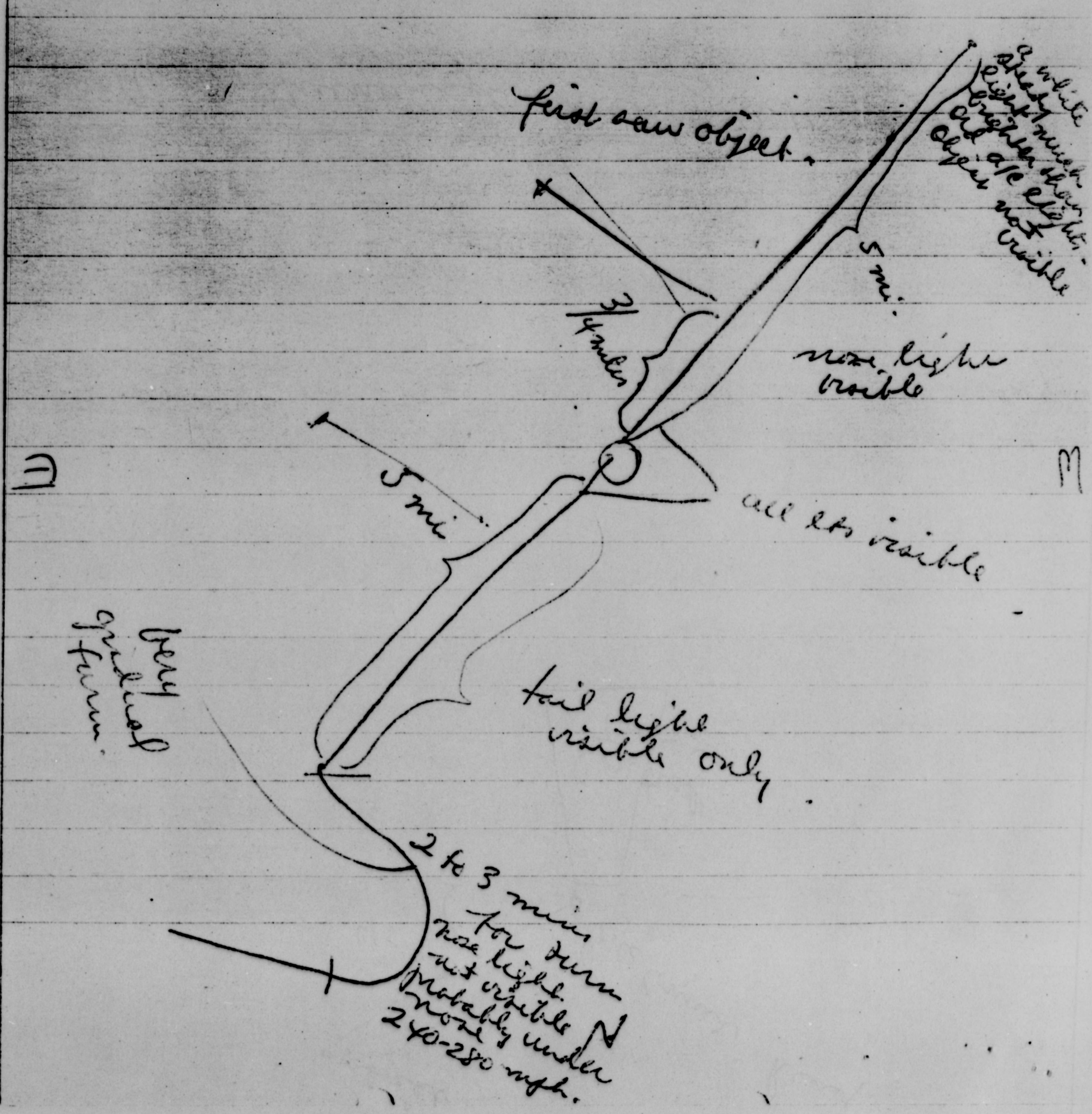
6. Twice as big as DC-6.

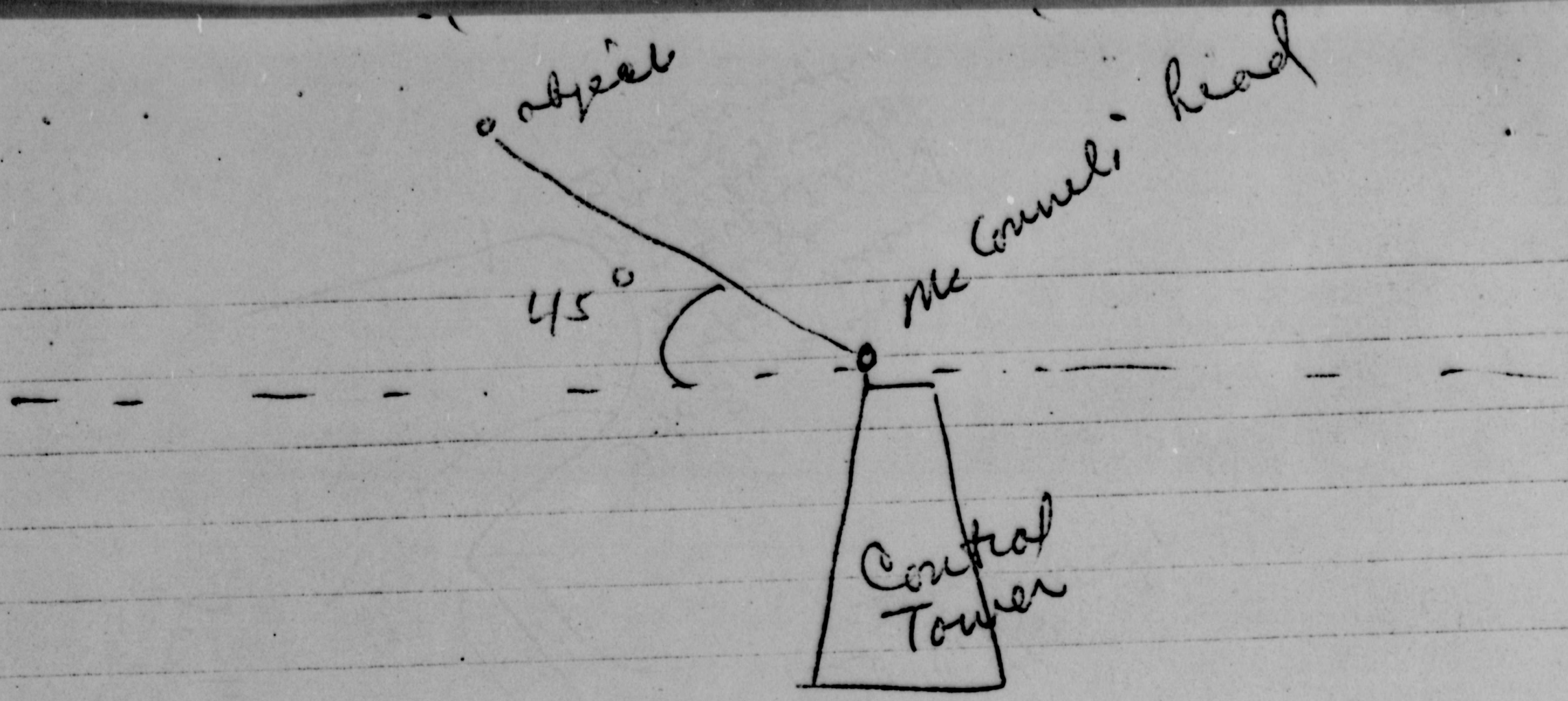
7. Wave: has worked days in the tower. Says he saw red + green blinking lights. A/C just back from overseas. Radar man. No much experience. Tower apprentice.

8. Clear sharp silhouette: 10 secs
Silhouette in general - 30 sec.

9. Mac has 2 years experience in CAA control tower.

S


first saw object.
3/4 miles
5 mi.
more lights visible
5 mi.
all lts visible
very gradual form.
tail lights visible only.
2 to 3 minutes for dawn
Has lights not visible
Probably under
2 40-280 mph.



Acrm Gunnaugh talked to Meacham Fld.

(1)

B - Dau as Mapes by B.36 - Hos C.124
C - Dark Ruy - Al Mimi
F - 1/4 Brown Red Riddle - Clara 15
H - 3000 B 4000 - Pa. Lot Lum
L Light - up. Valet - 20 Cab

1. Dis beg all observers on dept.

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2. C-128 - Dis Tr. cont Center, ft. Worth
(a) AF 1261 - From Travis To Turner
(b) Ft. Worth Cleared 7000 - Ind. let Down
Change of Flt at Ft. Worth (7)
(2 in C)
F.T. Cent at Ft. Worth Radio at 2304
Time (Estm) - 2304 - 2309 - 2312 - 13
Passed over Ft. Worth Radio 4 on
to Reg of Buaem.

C. Same Track as Scope
D. Only 1 Obv. on Scope - Had Not the
C-128

2100 - 6000 - 360° @ 27

Change of Alt. if any -

@

FLIGHT SERVICE - TRAINING FLIGHTS

CALL TRAVIS

Second Sitrep on radar at Lexington

Time — 2320 cst 4 Feb 54

8. No

9. ALL NO

10 ———

11. ———

12 No

13 yes AN/CPN-4

14. No

15. No

16 ———

17 —

18. Same as first report

19. yes

20 —

21 —

22 —

23 Same

24. a yes — speed variable
b No
c No
d No
e yes

25. yes — Tracked Two targets — approved to be in formation

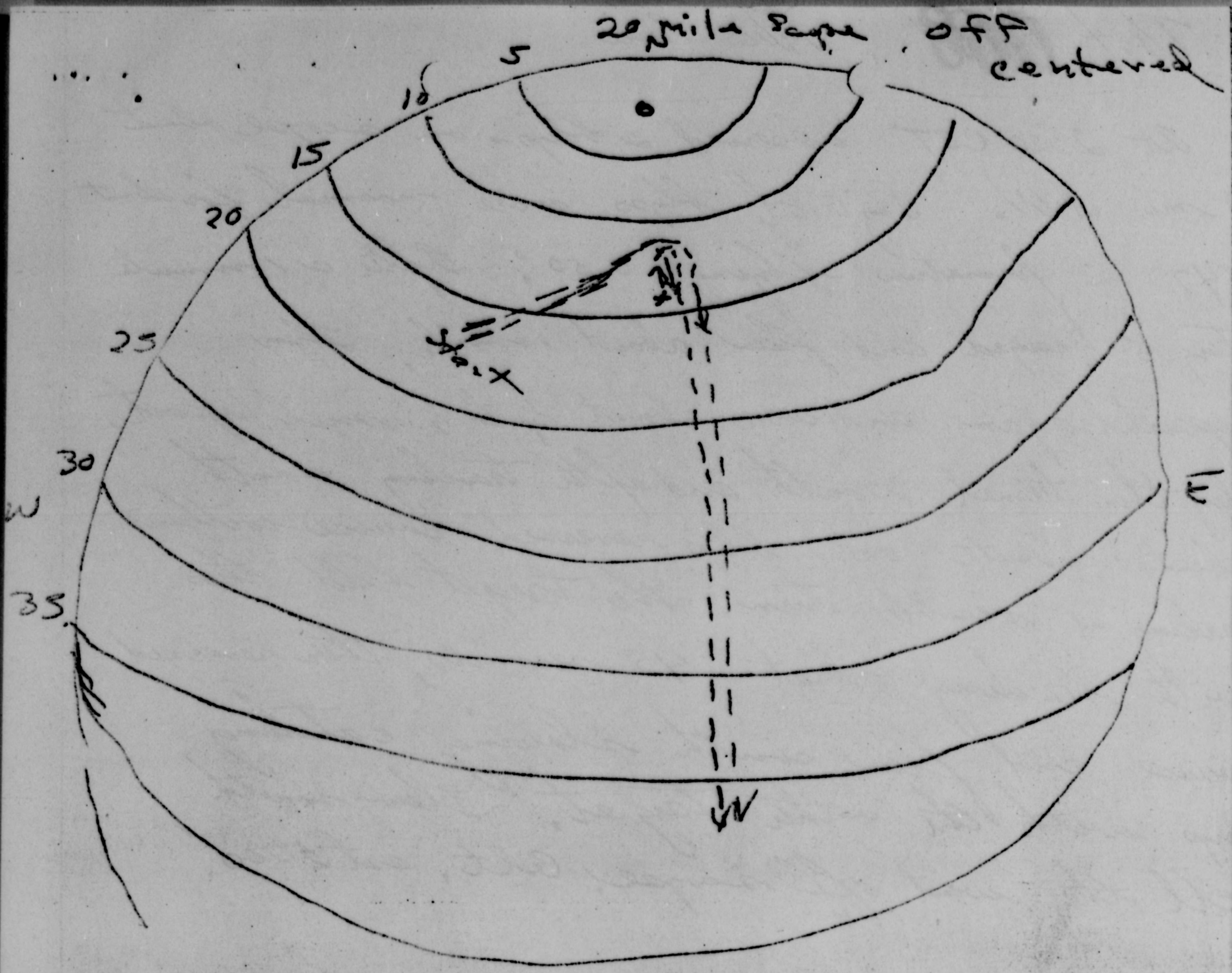
26 PPI

27 $\frac{1}{2}$ - $\frac{3}{4}$ inch on 20 mile scope

28. 20 ± 2 RPM

29. 2330 MG

29 ———



Richard ⬬ Targets up in SW - Targets merged did a turn to the right to southerly heading approx 160-165°. Targets separated one slightly to rear and west of lead target - at approx 14 miles lag Target reversed course without any noticeable other change of elevation. Target headed north for approx 1-1½ miles then again reversed course to south-catching up to lead Target formation with

T/Sgt [redacted] (A/C Pilot)

At 2320 CST observed 2 blips on scope about 17 mi. SW. Size of blips were normal for about C-47 in formation flying 050°. After a minute 2 targets merged and flew about 1 mile, then separated again and were about ¼ to ½ mile apart. They then turned south and after traveling south about 1 minute one blip reversed course without making a visible turn. The target held this north heading about 45 seconds, then reversed course and flew south slowing catching up with the other target. Flew south till they went off scope. Alt. est 5000'

A/2C [redacted]

more like B-36 but the wings were it tapered like a B-36. - Noticed that there was a yellowwhite light and bright white light in tail. Did not notice red and green light. No noise whatsoever. No engines or engine sound noticed. No visible change of altitude.

Saw it was aircraft but no sound.

March 1954

MARCH 1954 SIGHTINGS

DATE	LOCATION	OBSERVER	EVALUATION
Spring	Stalingrad, USSR	Civilian - Unknown	Other (ROCKET)
Mar,Apr	Oakland, California	[redacted]	1. Astro (METEOR) 2. Ball Lightning
2	Orangeville, Maryland	[redacted]	Insufficient Data
2	Pennsylvania	Military & Civilian	UNIDENTIFIED
4	Baltimore, Maryland	[redacted]	Other (REFLECTION)
5	Chihuahua, Mexico	Valenzuela	Other (UNRELIABLE RPT)
5	Nouasseur, French Morocco	Ground (RADAR)	1. Ground Reflection
		Air Visual	2. Insufficient Data
		Air Visual	3. UNIDENTIFIED
6	Milwaukee, Wisconsin	[redacted]	Astro (JUPITER)
7	~~Mobile, Alabama~~ KEESLER AFB (physical specimen)	Military (PHOTOS)	Balloon
7	Arlington, Virginia	Military	Astro (STARS)
8	Panama City, Florida	Multi Civilian	Other (BIRDS)
8	San Antonio, Texas	Military & Civilian	Astro (METEOR)
9	Cincinnati, Ohio (CRIFO Newsletter)	(INFO) [redacted]	
9	Newfoundland	Military	Astro (METEOR)
11	Keesler AFB, Mississippi	Military	Astro (METEOR)
11-12	Pittsburg, Pennsylvania	Military (RADAR)	Other (GROUND REFLECTION)
12	Nouasseur AFB, French Morocco	Military	Insufficient Data
12	Nouasseur, French Morocco	Military	UNIDENTIFIED
12	Narsarssuak, Newfoundland	Military	A/C
12	Scranton, Pennsylvania	[redacted]	Astro (METEOR)
16	Oak Park, Illinois	Civilian & Military	Astro (METEOR)
17	Long Beach, California	[redacted]	Balloon
18	Alexandria, Virginia	[redacted]	Insufficient Data
22	Wertherly, Pennsylvania	[redacted]	Other (REFLECTIONS)
23	Hahn AB, Germany (CASE MISSING)	Military	A/C
27	Ocenee, Illinois	Multi Civilian	Balloon
27	Cherokee, Sinclair, Wyoming	[redacted]	Astro (METEOR)
27	Gateway Intersection, Alabama	Unknown Civilian	Insufficient Data
27	Fort Worth, Texas	Multi Civilian	A/C
28	Norwich, Connecticut	Multi Civilian	1. Balloon 2. Astro (METEOR)
29	Philadelphia, Pennsylvania	[redacted]	Other (BIRDS)

(*) IN SEPARATE FOLDER