PROJECT 10073 RECORD CARD

1. DATE 14 Jun 58	**2. LOCATION** Pueblo, Colorado	**12. CONCLUSIONS** ☐ Was Balloon ☐ Probably Balloon ☐ Possibly Balloon ☐ Was Aircraft ☐ Probably Aircraft ☐ Possibly Aircraft ☐ Was Astronomical ☐ Probably Astronomical ☐ Possibly Astronomical ☐ Other UNIDENTIFIED ☐ Insufficient Data for Evaluation ☒ Unknown
3. DATE-TIME GROUP Local 1046 MST GMT	**4. TYPE OF OBSERVATION** ☐ Ground-Visual ☐ Ground-Radar Theodolite ☐ Air-Visual ☐ Air-Intercept Radar	
5. PHOTOS ☐ Yes ☒ No	**6. SOURCE** Civilian	
7. LENGTH OF OBSERVATION 5 mins	**8. NUMBER OF OBJECTS** one	**9. COURSE** SW

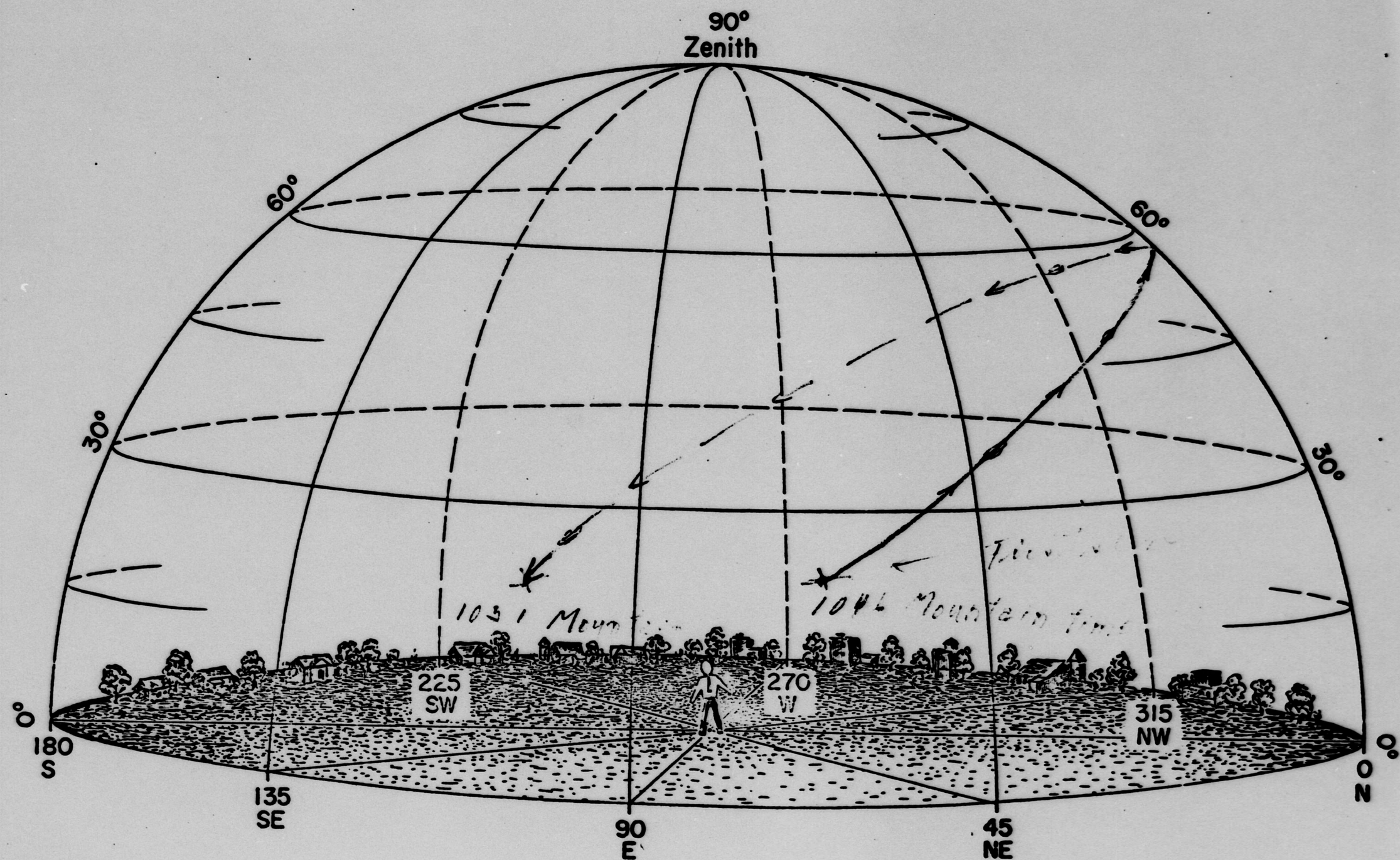
10. BRIEF SUMMARY OF SIGHTING

Obj entered field of theodolite circular in shape w/an apparently flat ring around the obj & a rounded dome in the middle. Obj was white or silvery white. Obj was higher than cirrus clouds at 30,000ft.

11. COMMENTS

Placed in category unidentified.

ATIC FORM 329 (REV 26 SEP 52)


90°
Zenith
60°
60°
30°
30°
0°
0°
180
S
135
SE
90
E
45
NE
0
N
225
SW
270
W
315
NW

UNITED STATES DEPARTMENT OF COMMERCE
WEATHER BUREAU

Pueblo, Colorado
June 16, 1953

Report on Unidentified Flying Object
(Seen by [redacted] June 14, 1953.)

While taking the Pibal Observation on the morning of June 14, 1953 at 1045M an unidentified flying object entered the theodolite field at an elevation angle of 24.2°, azimuth 247.0°. It was followed across the northern sky with the theodolite, reaching a high angle in the north of an estimated 80°, on into the southeast where it disappeared in haze at an elevation angle of 3.1°, azimuth 57.2°. The object was moving too fast to note any theodolite readings, during the traverse across the sky; so the high angle of 80° had to be estimated. It took 5 minutes (plus or minus 1) to cross the sky from the time of first sighting till lost to view. Minutes were counted by the pibal buzzer, but since time could not be taken to write anything down, the 5 minutes count might be in error by one.

Then first seen the outline of the object was not too clear, but as it passed at a high angle, the shape was quite distinct. It was circular in shape with an apparently flat ring around the object and a rounded dome in the middle. It looked very much like a picture of Saturn with its rings. The object appeared white or silvery white, and no metallic luster was noted. There was no noise or smoke or exhaust visible, and no vapor trails were seen. The object was higher than some cirrus clouds, which were estimated at 20,000 feet. This was known because the object passed above a few wisps of cirrus, and while its outline could still be seen, it was slightly blurred at such times.

Upper winds during the day were from the southwest quadrant, opposite to the movement of this object. A check was made with a local astronomer, concerning the possibility that a satellite had been observed; but it was determined that no known satellite was moving in the direction of this object, nor could the shape of any known satellite have been noted with the relatively low power scope on a theodolite.

UNITED STATES DEPARTMENT OF COMMERCE
WEATHER BUREAU
WASHINGTON

JUN 24 1958

IN REPLY, PLEASE ADDRESS
CHIEF, U. S. WEATHER BUREAU
WASHINGTON 25, D. C.
AND REFER TO

0-4.23

Lt. Col. Sauer RDSB
Headquarters ARDC
Andrews Air Force Base
Washington 25, D. C.

Dear Sir:

As a matter of possible interest to you, we are enclosing a report rendered by one of our meteorologists on the sighting of an unidentified foreign object. The object was seen by Mr. [redacted] of the Weather Bureau Airport Station at Pueblo, Colo. If you desire further details, we have no objection to your addressing your inquiries directly to Mr. [redacted]

Very truly yours,

D. M. Little
Deputy Chief of Bureau

Enclosure (1)

Sec. 1 #E4

HEADQUARTERS
AIR RESEARCH AND DEVELOPMENT COMMAND
UNITED STATES AIR FORCE
Andrews Air Force Base
Washington 25, D. C.

ADDRESS REPLY TO
COMMANDER, ARDC; ATTN:
RDSBI

30 JUN 1958

SUBJECT: Sighting of an Unidentified Flying Object

TO: Commander
Air Technical Intelligence Center
ATTN: AFCIN-4X2
Wright-Patterson Air Force Base
Ohio

In accordance with AFR 200-2, please find attached correspondence received from outside sources reference to sighting of unidentified flying object.

FOR THE COMMANDER:

Edgar J. Sauer
EDGAR J. SAUER
Lt Colonel, USAF
Intelligence Division

1 Incl
Ltr frm Weather Bureau
dtd 24 Jun 58 w/report

104 [illegible]
14 [illegible]

AFCIN-4E4g/Capt Gregory/ko
Ext 69216/Bldg. 828
Typed 9 Jul 58

FILE CLASS:
OFFICIAL FILE COPY
4E4
OFFICE OF RECORD

14 JUL 1958

COORDINATION

AFCIN-4
AFCIN-4X2b
AFCIN-4X2c
AFCIN-4X3
AFCIN-4X4
AFCIN-4X5
AFCIN-4A
AFCIN-4B
AFCIN-4C
AFCIN-4D
AFCIN-4E
AFCIN-4F
OTHERS

AFCIN-4E

Mr. [redacted]
Weather Bureau
U. S. Department of Commerce
Pueblo, Colorado

Dear Mr. [redacted]

Your brief report concerning an unidentified flying object observed on the morning of 14 June 1958 has been referred to this Center.

Routine checks and research disclosed that an upper-atmosphere balloon, Flight No. 161, was tracked continuously by the facilities of the AACS and last reported in the vicinity west of Pueblo between the 14th and 15th of June. Reference is made to U. S. Plotting Chart, WRC 4-4A (Special), Headquarters, Air Weather Service, U. S. Air Force, which we believe is made available to the U. S. Weather Bureau.

This Center has countless similar sightings observed by highly qualified persons, which, upon investigation and analysis, were found to be these high-altitude balloons, often moving rapidly in jet streams. However, to insure a more detailed treatment of the report, it would be appreciated if the attached official UFO questionnaire be accomplished in as much detail as possible and returned to this Center. Certain data and pertinent items of information are lacking from the brief report.

Your reporting of the sighting to the proper authorities, and the interest shown in the matter is appreciated.

Sincerely,

H. K. Gilbert

H. K. GILBERT
Colonel, USAF
Deputy for Science
and Components

1 4E4 [illegible] 14 Jul 58
2 4E4 [illegible] 14 July 58
3 4E [illegible] UFO Questionnaire
w/Attachments

PERM	
TEMP	
90 DAYS	
INITIAL	

ATIC FORM 144 (REV 10 SEP 57)

ROUTING AND COORDINATION SHEET

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?

14 (Day) June (Month) 1957 (Year)

2. Time of day: 10 (Hour) [illegible] (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?

Memorial Park (Nearest Postal Address) Pueblo (City or Town) Colorado (State or Country)

Additional remarks: for Testing Section [illegible]

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

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

(a.) Certain ± 1 min
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
When sighted
d. To your left
e. Overhead
f. Don't remember

ATIC FORM NO. 164 (13 OCT 54)

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

Does not apply

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?:

Does not apply

(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: Green clouds estimated at 30,000 ft. above surface

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?

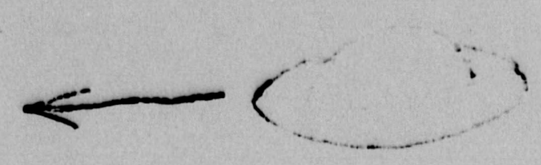
a. Eyeglasses	Yes	No	e. Binoculars	Yes	No
b. Sun glasses	Yes	No	f. Telescope	Yes	No
c. Windshield	Yes	No	g. Theodolite	Yes	No
d. Window glass	Yes	No	h. Other _____		

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

a. Sound _____

b. 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.



Looked like a picture of Saturn with rings except that rings were

18. The edges of the object were:

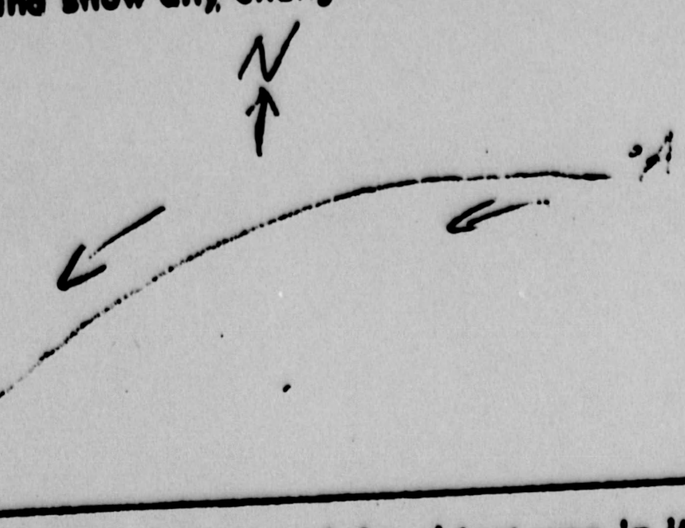
(Circle One): a. Fuzzy or blurred
b. Like a bright star
c. Sharply outlined
d. Don't remember

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.

Only one

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.
30 feet. at least, [illegible]

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? Does not appear as object was in [illegible] with the naked eye.

(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 _____

Note: only seen through optics

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? Faded from view in large at elevation angle of 8.1°

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.

I know of no object that would look like the [illegible] object I saw. [illegible] shape [illegible]. Material: Possibly metal painted white. about 30 feet in diameter.

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 Balloon observation station [illegible]

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 airport

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

Taking Pilot Balloon observation. Object entered field of view [illegible].

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). Sunrise stands

31.1 When it first appeared:

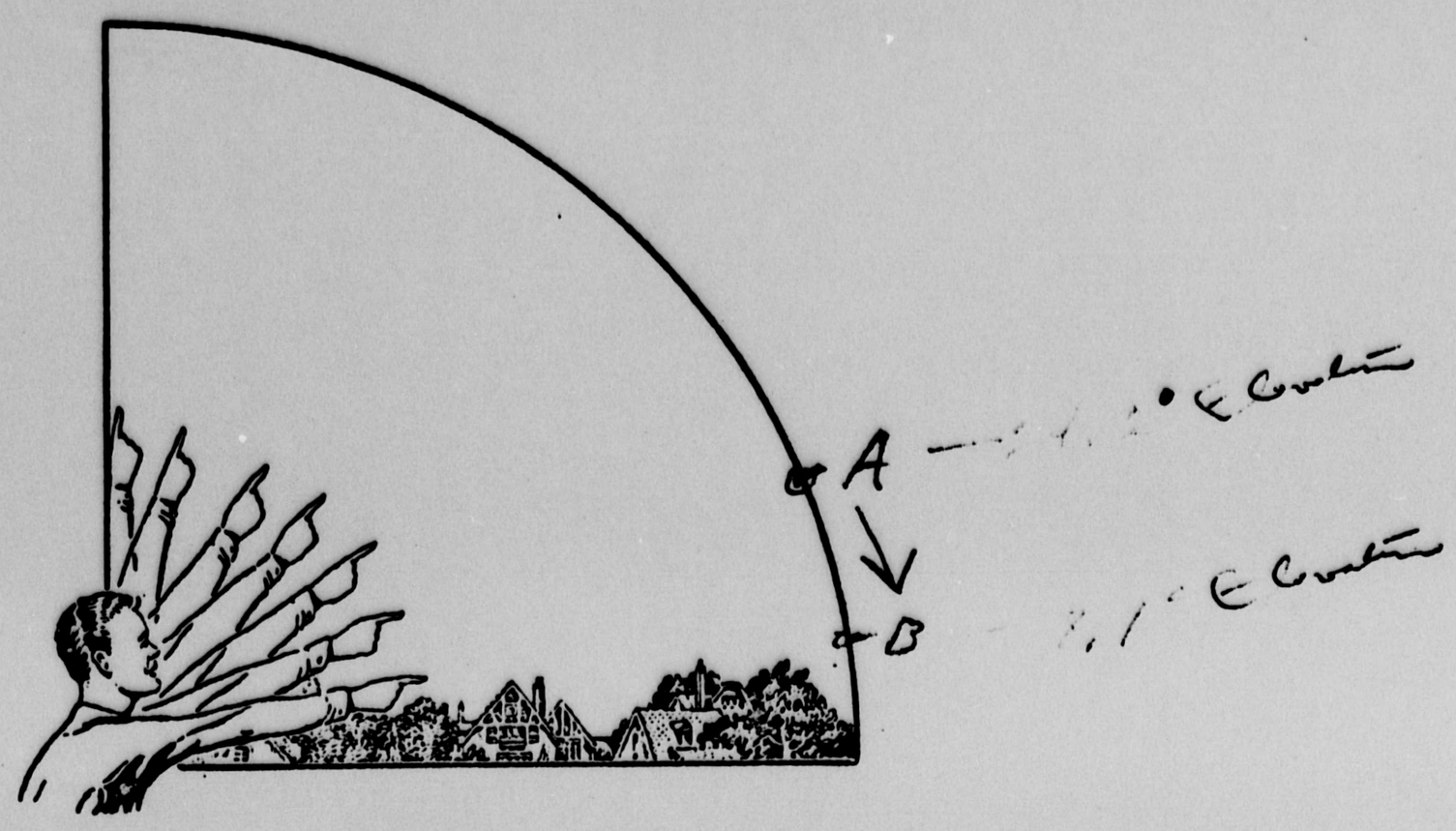
a. From true North 67 degrees. to the east
b. From horizon 24.2 degrees.

31.2 When it disappeared:

a. From true North 122.8 degrees. To the northwest
b. From horizon 8.1 degrees.

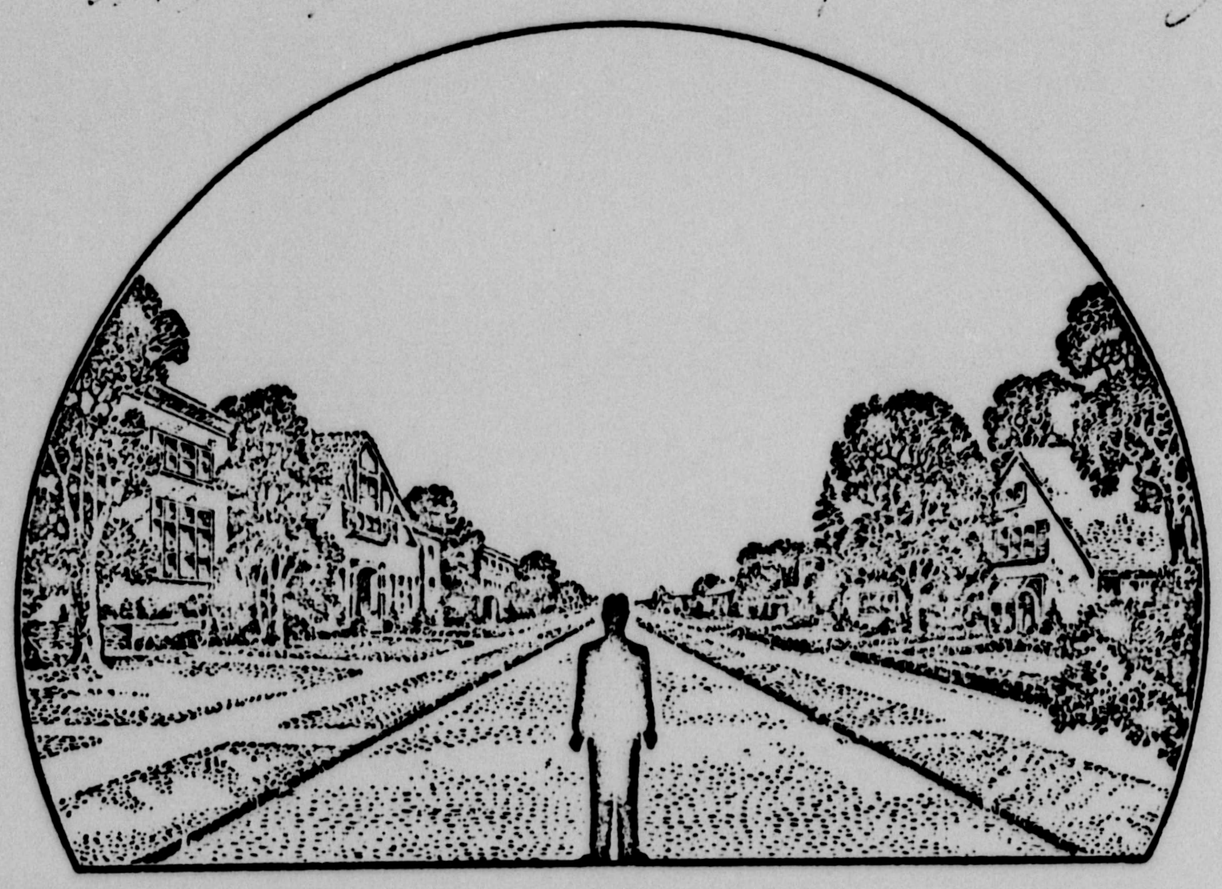
(exact not estimated)

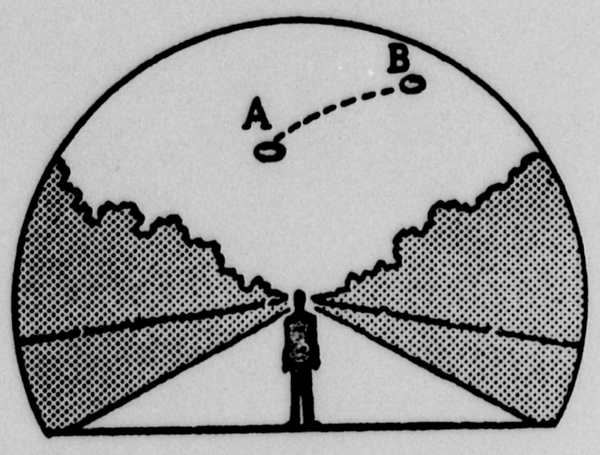
32. In the following sketch, imagine that you are at the point shown. Place an "A" on the curved line to show how high the object was above the horizon (skyline) when you *first* saw it. Place a "B" on the *same* curved line to show how high the object was above the horizon (skyline) when you *last*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

Cannot be shown on this page. Move to bottom half of the sky.





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 (1 ac, 3 ci)
d. Thick or heavy clouds
e. Don't remember

34.2 WIND *(Circle One)*

a. No wind
b. Slight breeze (↗ 5 knots) (SSW)
c. Strong wind
d. Don't remember

34.3 WEATHER *(Circle One)*

a. Dry (Rel. Humidity 22%)
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 (84.4° F)
e. Don't remember

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

14 (Day) June (Month) 1958 (Year) (Not on record)

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?

It was a material, artificial object, and not a balloon. (Watching balloons is part of my regular duties as a meteorologist.)

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? 54 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? 6600 feet.

41. Please give the following information about yourself:

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

ADDRESS [redacted] Street Pueblo City Zone Colo State

TELEPHONE NUMBER [redacted]

What is your present job? Meteorologist, Weather Bureau

Age 51 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
(Type)
f. Other special training 22 years Weather Bureau Observer

42. Date you completed this questionnaire: 24 Day Month Year

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 July 24,1958

(Do Not Write in This Space)

CODE:

1046 SMT + 7 = 1746 (UT) Z

This unidentified object was seen while taking a Pilot Balloon Observation on the morning of June 14,1958, while I was in the observation dome watching the Weather Bureau Pilot Balloon by a theodolite. The object entered the field of the theodolite at 1046 Mountain time, at an elevation angle of 24.2° and an azimuth of 247.0°(looking toward the East Northeast.)(Weather Bureau theodolites are oriented with 0° looking toward the south. If you use azimuth bearings with 0° oriented NORTH then this would be 67°.) The object was followed across the northern sky with the theodolite, reaching a high angle of an estimated 50°(possibly higher), on into the southwest , where it disappeared in haze at an elevation angle of 8.1°, azimuth 57.2(again with 0° oriented SOUTH)(If 0° is oriented NORTH this would be 237.2°). The object was going southwest. The object was moving too fast to note any theodolite readings during its traverse across the sky, so the high angle of 50° had to be estimated. It took 5 minutes(plus or minus 1 minute) to cross the sky from the time of first sighting until lost to veiw. Minutes were counted by use of the buzzer used in taking balloon observations, but the count could possibly be in error by one minute, since I could not take time to write anything down while watching the object.

When first seen the outline of the object was not too clear, but as it passed overhead at a high angle, the shape became quite clear. It was circular in shape with an apparently flat ring around the object and a rounded dome in the middle. It looked very much like a picture of Saturn with its rings, except that I did not see any rounded part below the ring. The object appeared white or silvery white, and no metallic luster was noted. There was no noise or smoke or exhaust visible, and no vapor trails were seen. The object was higher than cirrus clouds,which were estimated at 30,000 feet. (I have 28 years experience as a Weather Observer with the Weather Bureau in estimating cloud heights.) The object passed above a few wisps of cirrus, and while its outline could still be seen it was slightly blurred at such times.

continued next page.

diffused?

Check with Lex - O.K.

Upper Air winds during the day were from the southwest quadrant, opposite to the movement of this object. A check was made with a local astronomer concerning the possibility that a satelite had been observed, but it was determined that no known satelite was moving in the direction of this object, nor could the shape of any known satelite have been noted with the relatively low power scope on a theodolite. — Not so.

The estimated size of the object, the distance away and its estimated speed, as shown on this questionnaire, are all based on an altitude of 30,000 feet; as I am certain that is the minimum altitude the object could have had, as indicated by its passing above cirrus clouds. If the object was much higher than 30,000 feet, as is quite possible, the size, speed, and distance away when first and last seen, would all be increased. I have seen high altitude balloons through the theodolite and they did not look at all like this object. Also the speed of the object would rule out the possibility of it being a balloon, since the minimum speed was known to be above 500 mph toward the southwest.

MEMO ROUTING SLIP

NEVER USE FOR APPROVALS, DISAPPROVALS, CONCURRENCES, OR SIMILAR ACTIONS

1 NAME OR TITLE ~~CAPT MIATECH~~	INITIALS		CIRCULATE
ORGANIZATION AND LOCATION ~~AFCIN-4F3A~~	DATE 6 Aug.		COORDINATION
2 Capt Gregory HE4.			FILE
			INFORMATION
3 Highly improbable that this is a satellite. Do you know of any other sightings?			NECESSARY ACTION
			NOTE AND RETURN
4			SEE ME
			SIGNATURE

REMARKS

Gerry;

This is a toughie. I have approached it from every scientific and logical angle..after prelimenary checks of a/c schedules(both military and civil), radar units, tests and operations, GCC, and others all showed NEGATIVE.

Since Dr, Hynek (to whom I sent only the very complex cases) is in Moscow..respectfully request that you make the last scientific check: possible correlation with one of the satellites.

If no resolution , this will be one that I must place in the category of "UNKNOWN"

Have provided you with copies of all pertinent material. Note that the source is a Wx expert with over 20 years experience..and for once precise data were submittedi.e, UFO was tracked with a theodolite.

Thanks...

FROM NAME OR TITLE	CAPT. GREGORY	DATE	
ORGANIZATION AND LOCATION	4E4	TELEPHONE	6,216

DD FORM 1 FEB 50 95 Replaces DA AGO Form 895, 1 Apr 48, and AFHQ Form 12, 10 Nov 47, which may be used.

☆ GPO : 1955—O—403461

6 Aug 58

Greg:

This UFO could not have been any of the then current satellites [1958 alpha, beta, or gamma] for two reasons: (1) None of them move from NE to SW [only NW → SE or SW → NE] (2) the theodolite would be of too low a power to resolve any of them [as the observer correctly stated] or even the big Soviet jobs.

B

Analysts Conclusions:

This was checked out and analyzed from every sound angle.

If we assume that he actually saw a physical, concrete material thing (and we have only his word — no photographs, no witnesses) and we postulate that he is a reliable source, without any qualifications — and that the magnitude was not the result (presumed) of optical flaws such as are occasionally found in astronomical photo plates (see p. 530, Sky + Telescope Journal - Sept 1957) — then we must conclude it to be a valid UNKNOWN

BTD
2 Aug 50