

PROJECT 10073 RECORD CARD

1. DATE 14 Oct 1963		2. LOCATION Saint John Canada		12. CONCLUSIONS ☐ Was Balloon ☐ Probably Balloon ☐ Possibly Balloon ☐ Was Aircraft ☐ Probably Aircraft ☐ Possibly Aircraft ☐ Was Astronomical ☐ Probably Astronomical ☐ Possibly Astronomical ☒ Other <u>Satellite</u> ☐ Insufficient Data for Evaluation ☐ Unknown	
3. DATE-TIME GROUP Local <u>0618 AM DST</u> GMT <u>14/0843Z</u>		4. TYPE OF OBSERVATION ☒ Ground-Visual ☐ Ground-Radar ☐ Air-Visual ☐ Air-Intercept Radar			
5. PHOTOS ☐ Yes ☒ No		6. SOURCE Civilian			
7. LENGTH OF OBSERVATION 20 Secnds		8. NUMBER OF OBJECTS 1		9. COURSE NW-SE	
10. BRIEF SUMMARY OF SIGHTING Observer reported object which he believed to be ECHO.				11. COMMENTS ECHO Data indicates object not ECHO. Possibly other Satellite.	

34. Date you completed this questionnaire:

3

Day

NOVEMBER

Month

1963

Year

35. Information which you feel pertinent and which is not adequately covered in the specific points of the questionnaire or a narrative explanation of your sighting.

I FEEL CONFIDENT, HAVING READ COUNTLESS ACCOUNTS OF UFO SIGHTINGS, FROM THE RIDICULOUS TO THE SINCERE, HAVING OBSERVED MANY SHOOTING STARS, HAVING BECOME ~~FAMILIAR~~ FAMILAR WITH THE PRESENCE OF SATELLITES AND THEIR APPEARANCE TO THE NAKED EYE, AND BEING RELATIVELY FAMILAR WITH THE SOLAR SYSTEM AND THE CONSTELLATIONS, THAT WHAT I WITNESSED ON OCT. 14 WAS THE COMMON PASSAGE OF A SATELLITE, AS WAS STATED IN THE LETTER ACCOMPANYING THIS QUESTIONNAIRE.

SE 14/0848

0758 AT 16.56 - 45.88
- 14.9. -

NOT CC HQ.

OFFICE OF INFORMATION
OSAF

13 OCT NOV 14 14 04

INCOMING

OCTOBER 9, 1963

SATELLITE 1960 IOTA 1, LONG 1

These predictions are based on orbital elements revised on October 7, 1963
 T₀ = October 8.0, times are in days, U.T.
 Argument of perigee = 347.34 + 3.1850 (t-T₀)
 Right ascension of ascending node = 145.719 + 3.3234 (t-T₀)

Inclination = 47.72678
 Eccentricity = 0.058263 + 1.91 × 10⁻⁵ (t-T₀)
 Semi-major axis = 7.225747 megawatts
 Mean anomaly (asc.) = 0.44172 + 12.519182 (t-T₀) 2.0461 × 10⁻⁴ (t-T₀)²

EQUATOR S-N		SATELLITE 1960 IOTA 1 FOR OTHER LATITUDES						EQUATOR S-N		SATELLITE 1960 IOTA 1 FOR OTHER LATITUDES							
TIME (UT)	LONG. (W)	LAT.	TIME CORR.	LONG. CORR. (M)	HT. (M)	BEAR. (N-E)	TIME CORR.	LONG. CORR. (M)	HT. (M)	BEAR. (N-E)	TIME CORR.	LONG. CORR. (M)	HT. (M)	BEAR. (N-E)			
OCTOBER 12, 1963																	
0 31.1	255.13	47.5	25.8	-83.45	682	90.0*	25.8	-83.50	682	90.0*	0 7.3	266.33	47.5	25.9	-83.41	644	90.0
1 24.9	264.18	45.0	21.1	-61.25	643	72.3	30.6	-105.68	737	107.5*	2 2.0	275.36	45.0	21.3	-61.19	624	72.3
2 20.8	313.18	40.0	17.4	-45.95	625	60.7	34.5	-120.92	799	119.3*	3 56.7	324.38	40.0	17.6	-45.89	621	60.7
3 15.3	362.21	35.0	14.7	-30.27	620	54.1	37.5	-130.54	832	126.0*	4 51.4	351.40	35.0	14.9	-36.21	627	54.1
4 10.1	411.23	30.0	12.3	-20.88	621	49.5	40.1	-137.87	872	130.6*	5 46.2	377.42	30.0	12.5	-28.83	638	49.5*
5 4.8	460.26	20.0	9.0	-17.48	635	43.8	44.9	-144.12	945	136.4*	6 40.9	403.44	20.0	9.2	-17.44	670	43.8*
6 59.5	509.29	0.	0.	0.	707	40.0*	54.1	-166.30	1070	140.2*	7 35.6	430.46	0.	0.	0.	768	40.0*
7 54.3	558.31	-10.0	-8.4	17.40	824	43.7*	-51.0	-147.57	1160	136.5*	8 30.3	457.49	-10.0	-8.7	17.33	899	43.6*
8 49.0	607.34	-30.0	-13.1	28.69	899	49.4*	-45.7	-136.45	1183	130.8	9 25.0	484.51	-30.0	-13.5	28.58	975	49.3*
9 43.7	656.36	-45.0	-15.8	35.99	942	53.9*	-42.7	-129.22	1187	126.2	10 19.7	511.53	-45.0	-16.3	35.67	1016	53.9*
10 38.4	705.39	-50.0	-16.9	45.56	990	60.6*	-39.2	-119.72	1189	119.4	11 14.4	538.55	-50.0	-16.9	45.42	1060	60.6*
11 33.2	754.41	-45.0	-23.3	60.69	1051	72.2*	-34.8	-104.66	1163	107.5*	12 9.1	565.57	-45.0	-23.9	60.52	1112	72.2*
12 27.9	803.44	-47.5	-28.9	82.67	1116	90.0*	-28.9	-82.72	1116	90.0*	13 3.8	592.59	-47.5	-29.7	82.47	1161	90.0*
OCTOBER 13, 1963																	
0 31.1	255.13	47.5	25.8	-83.44	670	90.0	25.8	-83.49	671	90.0	0 50.6	263.61	47.5	25.0	-83.39	637	90.0
1 24.9	264.18	45.0	21.1	-61.23	636	72.3	30.6	-105.68	722	107.5*	1 45.3	312.63	45.0	21.4	-61.17	622	72.3
2 20.8	313.18	40.0	17.4	-45.94	622	60.7	34.5	-120.93	772	119.3*	2 40.0	341.65	40.0	17.7	-45.87	623	60.7
3 15.3	362.21	35.0	14.7	-30.26	620	54.1	37.4	-130.55	813	126.0*	3 34.7	370.67	35.0	15.0	-36.19	622	60.7
4 10.1	411.23	30.0	12.3	-20.87	623	49.5	40.0	-137.88	852	130.6*	4 29.4	399.69	30.0	12.6	-28.81	645	49.5*
5 4.8	460.26	20.0	9.0	-17.47	643	43.8	44.8	-149.15	924	136.4*	5 24.1	428.71	20.0	9.3	-17.43	682	43.8*
6 59.5	509.29	0.	0.	0.	722	40.0*	53.9	-166.35	1053	140.2*	6 18.8	457.73	0.	0.	0.	765	39.9*
7 54.3	558.31	-10.0	-8.4	17.38	843	43.7*	-51.3	-147.52	1151	136.5*	7 13.5	486.75	-10.0	-8.7	17.32	919	43.6*
8 49.0	607.34	-30.0	-13.1	28.66	919	49.4*	-45.9	-136.39	1180	130.8	8 8.2	515.77	-30.0	-13.6	28.55	975	49.3*
9 43.7	656.36	-45.0	-15.8	35.96	961	53.9*	-42.9	-129.16	1186	126.2	9 3.0	544.79	-45.0	-16.4	35.84	1034	53.9*
10 38.4	705.39	-50.0	-16.9	45.53	1009	60.6*	-39.5	-119.46	1186	119.4	10 27.7	573.81	-50.0	-16.9	45.35	1077	60.6*
11 33.2	754.41	-45.0	-23.3	60.65	1068	72.2*	-34.9	-104.60	1171	107.5*	11 22.4	602.83	-45.0	-24.1	60.47	1126	72.2*
12 27.9	803.44	-47.5	-28.9	82.62	1130	90.0*	-29.1	-82.67	1130	90.0*	12 17.1	631.85	-47.5	-29.9	82.41	1170	90.0*
OCTOBER 14, 1963																	
0 31.1	255.13	47.5	25.8	-83.44	661	90.0	25.9	-83.49	661	90.0	0 49.8	260.87	47.5	26.1	-83.37	631	90.0
1 24.9	264.18	45.0	21.1	-61.22	631	72.3	30.6	-105.66	708	107.5*	1 44.5	309.89	45.0	21.5	-61.15	621	72.3
2 20.8	313.18	40.0	17.4	-45.93	621	60.7	34.5	-120.93	756	119.3*	2 39.2	338.91	40.0	17.8	-45.85	626	60.7
3 15.3	362.21	35.0	14.7	-30.25	621	54.1	37.4	-130.55	796	126.0*	3 33.9	367.93	35.0	15.1	-36.17	628	54.0*
4 10.1	411.23	30.0	12.3	-20.86	627	49.5	40.0	-137.89	834	130.6*	4 28.6	396.95	30.0	12.7	-28.79	654	49.5*
5 4.8	460.26	20.0	9.0	-17.46	651	43.8	44.7	-149.16	906	136.4*	5 23.3	425.97	20.0	9.4	-17.41	676	43.8*
6 59.5	509.29	0.	0.	0.	736	40.0*	53.8	-166.35	1037	140.2*	6 18.0	454.99	0.	0.	0.	803	39.9*
7 54.3	558.31	-10.0	-8.4	17.37	847	43.7*	-51.5	-147.54	1141	136.5*	7 12.7	483.01	-10.0	-8.7	17.30	939	43.6*
8 49.0	607.34	-30.0	-13.1	28.65	917	49.4*	-45.7	-136.33	1175	130.8	8 7.4	511.03	-30.0	-13.7	28.53	1013	49.3*
9 43.7	656.36	-45.0	-15.8	35.93	979	53.9*	-43.2	-129.10	1185	126.2	9 2.1	539.05	-45.0	-16.5	35.80	1052	53.9*
10 38.4	705.39	-50.0	-16.9	45.49	1026	60.6*	-39.7	-119.60	1188	119.4	10 26.8	567.06	-50.0	-16.8	45.34	1093	60.6*
11 33.2	754.41	-45.0	-23.3	60.61	1083	72.2*	-35.1	-104.55	1177	107.5*	11 21.5	595.08	-45.0	-24.3	60.37	1139	72.2*
12 27.9	803.44	-47.5	-28.9	82.57	1141	90.0*	-29.3	-82.62	1141	90.0*	12 16.2	623.10	-47.5	-29.6	82.38	1177	90.0*
OCTOBER 15, 1963																	
0 31.1	255.13	47.5	25.9	-83.47	652	90.0	25.9	-83.47	652	90.0	0 48.2	258.10	47.5	26.2	-83.35	627	90.0
1 24.9	264.18	45.0	21.1	-61.21	627	72.3	30.6	-105.67	698	107.5*	1 43.0	316.12	45.0	21.6	-61.13	621	72.3
2 20.8	313.18	40.0	17.4	-45.91	620	60.7	34.5	-120.93	740	119.3*	2 37.7	344.14	40.0	17.9	-45.83	620	60.7
3 15.3	362.21	35.0	14.7	-30.23	624	54.1	37.4	-130.57	778	126.0*	3 32.4	372.16	35.0	15.2	-36.15	625	54.0*
4 10.1	411.23	30.0	12.3	-20.84	631	49.5	40.0	-137.90	816	130.6*	4 27.1	400.18	30.0	12.8	-28.77	647	49.5*
5 4.8	460.26	20.0	9.0	-17.45	655	43.8	44.6	-149.17	888	136.4*	5 21.8	428.20	20.0	9.5	-17.39	678	43.8*
6 59.5	509.29	0.	0.	0.	741	40.0*	53.7	-166.35	1019	140.2*	6 16.5	456.22	0.	0.	0.	803	39.9*
7 54.3	558.31	-10.0	-8.4	17.36	849	43.7*	-51.6	-147.55	1133	136.5*	7 11.2	484.24	-10.0	-8.8	17.29	939	43.6*
8 49.0	607.34	-30.0	-13.1	28.64	923	49.4*	-45.8	-136.31	1167	130.8	8 5.9	512.26	-30.0	-13.8	28.51	1013	49.3*
9 43.7	656.36	-45.0	-15.8	35.91	985	53.9*	-43.3	-129.08	1189	126.2	9 0.6	540.28	-45.0	-16.6	35.74	1052	53.9*
10 38.4	705.39	-50.0	-16.9	45.46	1032	60.6*	-39.8	-119.58	1191	119.4	10 25.3	568.30	-50.0	-16.9	45.37	1093	60.6*
11 33.2	754.41	-45.0	-23.3	60.58	1089	72.2*	-35.2	-104.53	1180	107.5*	11 20.0	596.32	-45.0	-24.6	60.30	1139	72.2*
12 27.9	803.44	-47.5	-28.9	82.53	1147	90.0*	-29.5	-82.58	1147	90.0*	12 14.7	624.34	-47.5	-29.9	82.30	1177	90.0*
OCTOBER 16, 1963																	
0 31.1	255.13	47.5	26.0	-83.46	644	90.0	26.0	-83.46	644	90.0	0 47.0	256.32	47.5	26.3	-83.33	627	90.0
1 24.9	264.18	45.0	21.1	-61.19	624	72.3	30.7	-105.66	683	107.5*	1 41.7	313.34	45.0	21.7	-61.11	621	72.3
2 20.8	313.18	40.0	17.4	-45.89	621	60.7	34.6	-120.93	725	119.3*	2 36.4	341.36	40.0	18.0	-45.81	620	60.7
3 15.3	362.21	35.0	14.9	-30.21	627	54.1	37.5	-130.57	762	126.0*	3 31.1	369.38	35.0	15.3	-36.13	625	54.0*
4 10.1	411.23	30.0	12.5	-20.83	638	49.5*	40.										

RECEIVED OCT 29 1963

AFIP

~~XXXXXXXXXXXXXXXXXXXX~~
Saint John, N. B.
Canada.

Oct 26, 1963

National Aeronautics and Space Administration,
Washington, D. C.

Gentlemen:

Several days ago I witnessed a
puzzling phenomenon in the skies which
has since aroused my curiosity.

At 6:18 AM local time, 5:18 AM
Washington time, (10:18 AM GMT) I saw
what looked like a bright star travelling
very rapidly, headed in a direction about
5 to 10 degrees north of South-East.

The object brightened and dimmed
3 or 4 seconds.

Thanking you in advance for any
information you have on this matter, cK
Yours respectfully,

~~XXXXXXXXXX~~

W 4434, T 1000

October 30, 1963

Dear Mr. [REDACTED]

This is in response to your recent letter in which you reported seeing an unusual phenomena in the sky around the period 20-26 October 1963.

We are inclined to believe that what you saw was the passage of ECHO I which was in the Halifax area on October 24th at 8:54 a.m. (GMT), 1° above the city, traveling in a southeasterly direction. However, since we do not definitely know the date of your sighting, we are inclosing a form (FTD 164) which we request you execute and return to this office. This will better enable the Air Force to evaluate the sighting. You will be notified upon completion of the investigation.

Sincerely,

MASTON M. JACKS
Major, USAF
Public Information Division
Office of Information

[REDACTED]
[REDACTED]
Saint John, N. B.
Canada

10/14

WALSH

U.S. AIR FORCE TECHNICAL INFORMATION

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. 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 OCTOBER 1963
Day Month Year

2. Time of day: 6 18

Hour

Minutes

(Circle One):

A.M.

or

P.M.

3. Time Zone:

(Circle One):

a. Eastern

b. Central

c. Mountain

d. Pacific

e. Other ATLANTIC (CANADIAN)

(Circle One):

a. Daylight Saving

b. Standard

4. Where were you when you saw the object?

[REDACTED]

Nearest Postal Address

SAINT JOHN

City or Town

N.B.

State or County

5. How long was object in sight? (Total Duration)

Hours

Minutes

20
Seconds

a. Certain

b. Fairly certain

c. Not very sure

d. Just a guess

5.1 How was time in sight determined? ESTIMATED

5.2 Was object in sight continuously?

Yes ✓No

6. What was the condition of the sky?

DAY

a. Bright

b. Cloudy

NIGHT

a. Bright

b. Cloudy

7. IF you saw the object during DAYLIGHT, 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, 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. What were the weather conditions at the time you saw the object?

CLOUDS (Circle One):

- a. Clear sky
- b. Hazy
- c. Scattered clouds
- d. Thick or heavy clouds

WEATHER (Circle One):

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

10. The object appeared: (Circle One):

- a. Solid
b. Transparent
c. Vapor
d. As a light
e. Don't remember

11. If it appeared as a light, was it brighter than the brightest stars? (Circle One):

- a. Brighter
b. Dimmer
c. About the same
d. Don't know

11.1 Compare brightness to some common object:

AS BRIGHT AS A BRIGHT STAR

12. 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 _____

13. Did the object:

(Circle One for each question)

- a. Appear to stand still at any time?
- b. Suddenly speed up and rush away at any time?
- c. Break up into parts or explode?
- d. Give off smoke?
- e. Change brightness?
- f. Change shape?
- g. Flash or flicker?
- h. Disappear and reappear?

[illegible]

14. Did the object disappear while you were watching it? If so, how?

IT GRADUALLY BECAME DIMMER AND DIMMER UNTILL
IT WAS NO LONGER VISIBLE.

15. Did the object move behind something at any time, particularly a cloud?

(Circle One):

Yes

☒ No

Don't Know.

IF you answered YES, then tell what

it moved behind: _____

16. Did the object move in front of something at any time, particularly a cloud?

(Circle One):

Yes

☒ No

Don't Know.

IF you answered YES, then tell what

in front of: _____

17. Tell in a few words the following things about the object:

a. Sound NONE

b. Color SILVERY, LIKE A STAR

18. We wish to know the angular size. Hold a match stick at arm's length in line with a known object and note how much of the object is covered by the head of the match. If you had performed this experiment at the time of the sighting, how much of the object would have been covered by the match head?

THE OBJECT WOULD HAVE BEEN COMPLETELY
COVERED.

19. 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.

IT APPEARED AS A STAR

20. 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? _____

21. 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? _____

22. 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 (type)
- e. At sea
- f. Other ON A ROOF - TOP

23. 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. Near an airfield?
- e. Flying over a city?
- f. Flying over open country?
- g. Other _____

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

24.1 What direction were you moving? (Circle One)

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

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

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

(Circle One)

Yes

☒ No

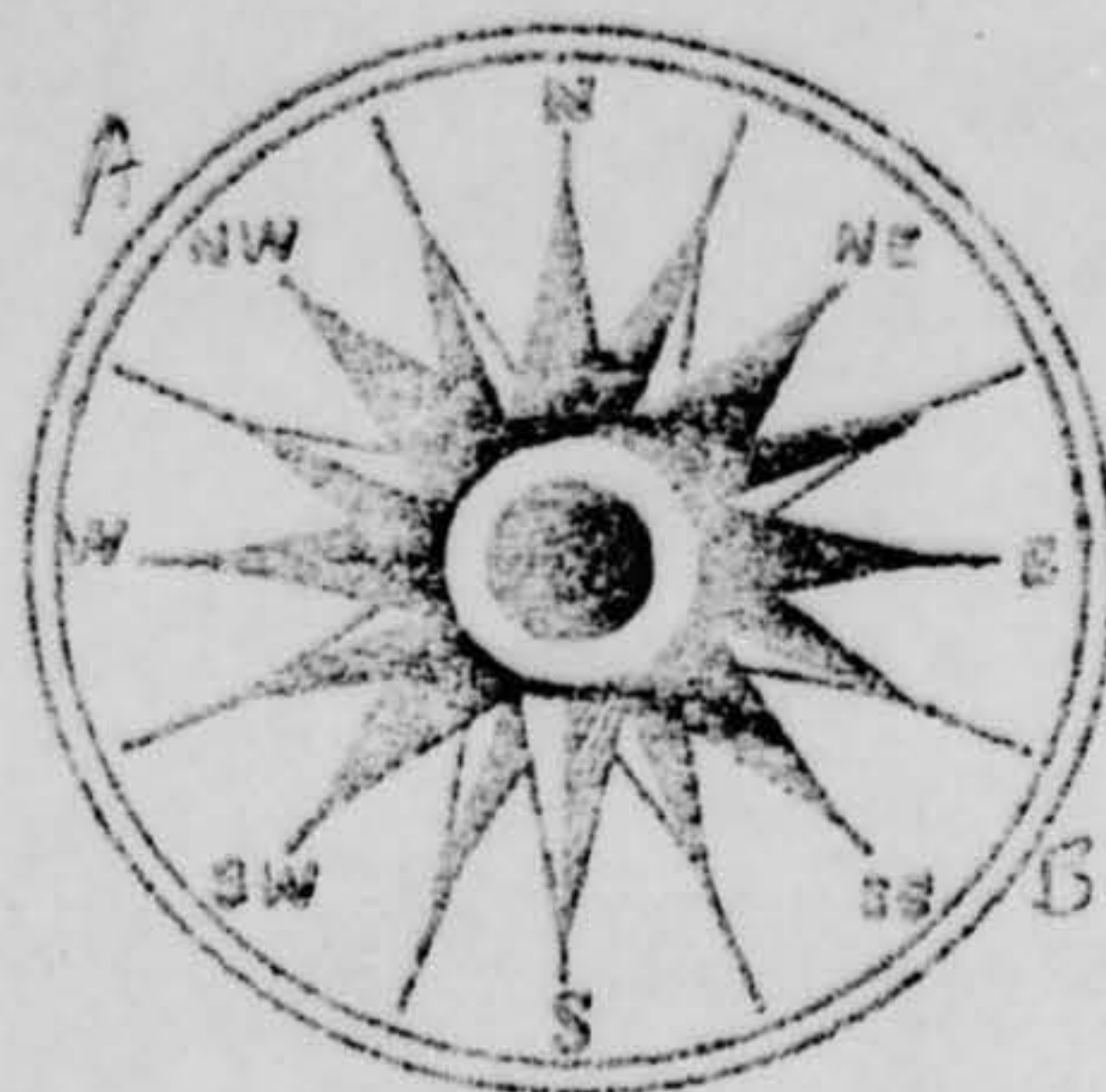
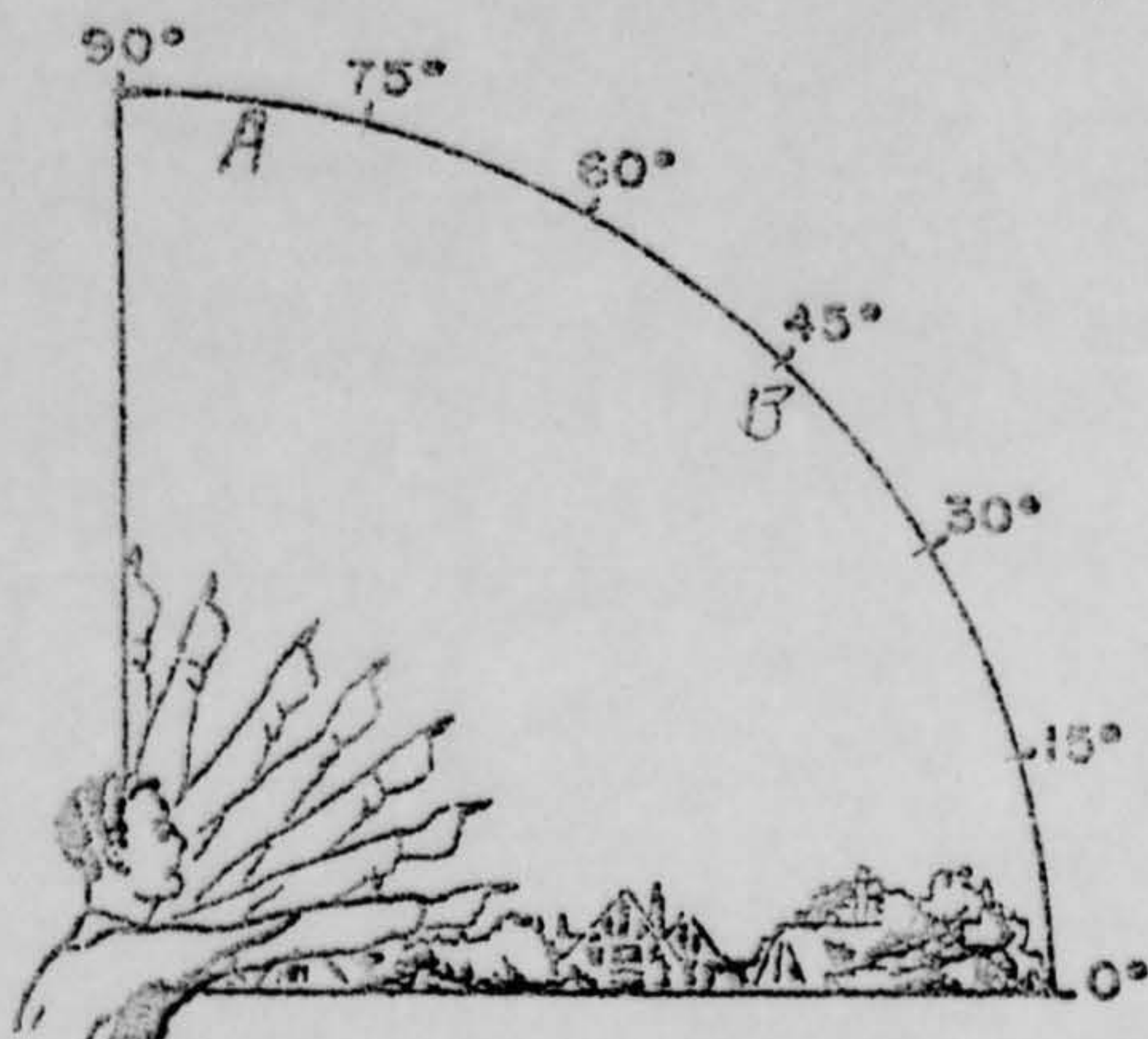
25. Did you observe the object through any of the following?

- | | | | | | |
|-----------------|-----|-------------------------------------|---------------|--------------------------------------|-------------------------------------|
| 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 | <u>NAKED EYE</u> | |

26. In order that you can give as clear a picture as possible of what you saw, 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.

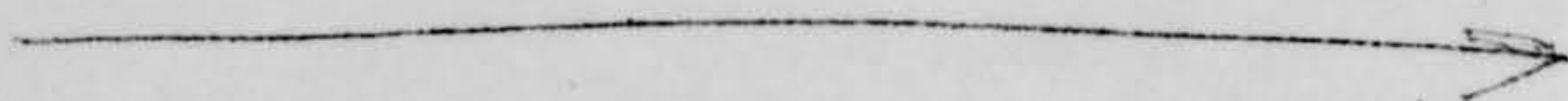
A BRIGHT STAR

27. 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. Place an "A" on the compass when you *first* saw it. Place a "B" on the compass where you *last* saw the object.



28. 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.

IT TRAVELLED IN A STRAIGHT LINE.



29. 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.

30. Have you ever seen this, or a similar object before. If so give date or dates and location.

IN NOVEMBER OF 1957, I WITNESSED THE PASSAGE
OF SPUTNIK II FROM THE SAME NEIGHBOURHOOD, ABOUT
3 BLOCKS AWAY; BOTH SIGHTINGS HAD MANY SIMILARITIES.

31. Was anyone else with you at the time you saw the object? (Circle One) Yes ☐ No ☒

31.1 IF you answered YES, did they see the object too? (Circle One) Yes ☐ No ☐

31.2 Please list their names and addresses:

32. Please give the following information about yourself:

NAME [REDACTED] [REDACTED] [REDACTED]
Last Name First Name Middle Name
ADDRESS [REDACTED] [REDACTED] N.B.
Street City Zone State
TELEPHONE NUMBER [REDACTED] AGE 21 SEX MALE

Indicate any additional information about yourself, including any special experience, which might be pertinent.

33. When and to whom did you report that you had seen the object?

20 (APPROX) OCTOBER 1953 TO THE NATIONAL
Day Month Year AERONAUTICS AND SPACE ADMINISTRATION.