

PROJECT 10073 RECORD CARD

1. DATE 7 Aug 63		2. LOCATION Muskallonge Lake, Michigan		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	
3. DATE-TIME GROUP Local 2015 GMT 08/0115Z		4. TYPE OF OBSERVATION ☒ Ground-Visual ☐ Ground-Radar ☐ Air-Visual ☐ Air-Intercept Radar			
5. PHOTOS ☐ Yes ☒ No		6. SOURCE civilian			
7. LENGTH OF OBSERVATION 1 1/2 min		8. NUMBER OF OBJECTS one		9. COURSE NE	
10. BRIEF SUMMARY OF SIGHTING Object appearing as a light 2X as bright as EC HO and brighter than any star visible, observed in flight to NE. Steady flight. Speed 10X ECHO. Believed to be in atmosphere. Flight from 70 deg elevation in SW to 30 deg elevation in NE where it faded.				11. COMMENTS Nothing conflicting with a/c analysis.	

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:

Twice as bright as Echo sat.

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? | 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. Flash or flicker? | Yes | No | Don't know |
| h. Disappear and reappear? | Yes | No | Don't know |

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

FADED FROM VIEW IN THE DISTANCE

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 BRIGHT

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?

ALL

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.

NE → ○

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? TEN TIMES THAT OF ECHO

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? SAME ALTITUDE AS ECHO

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 _____

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

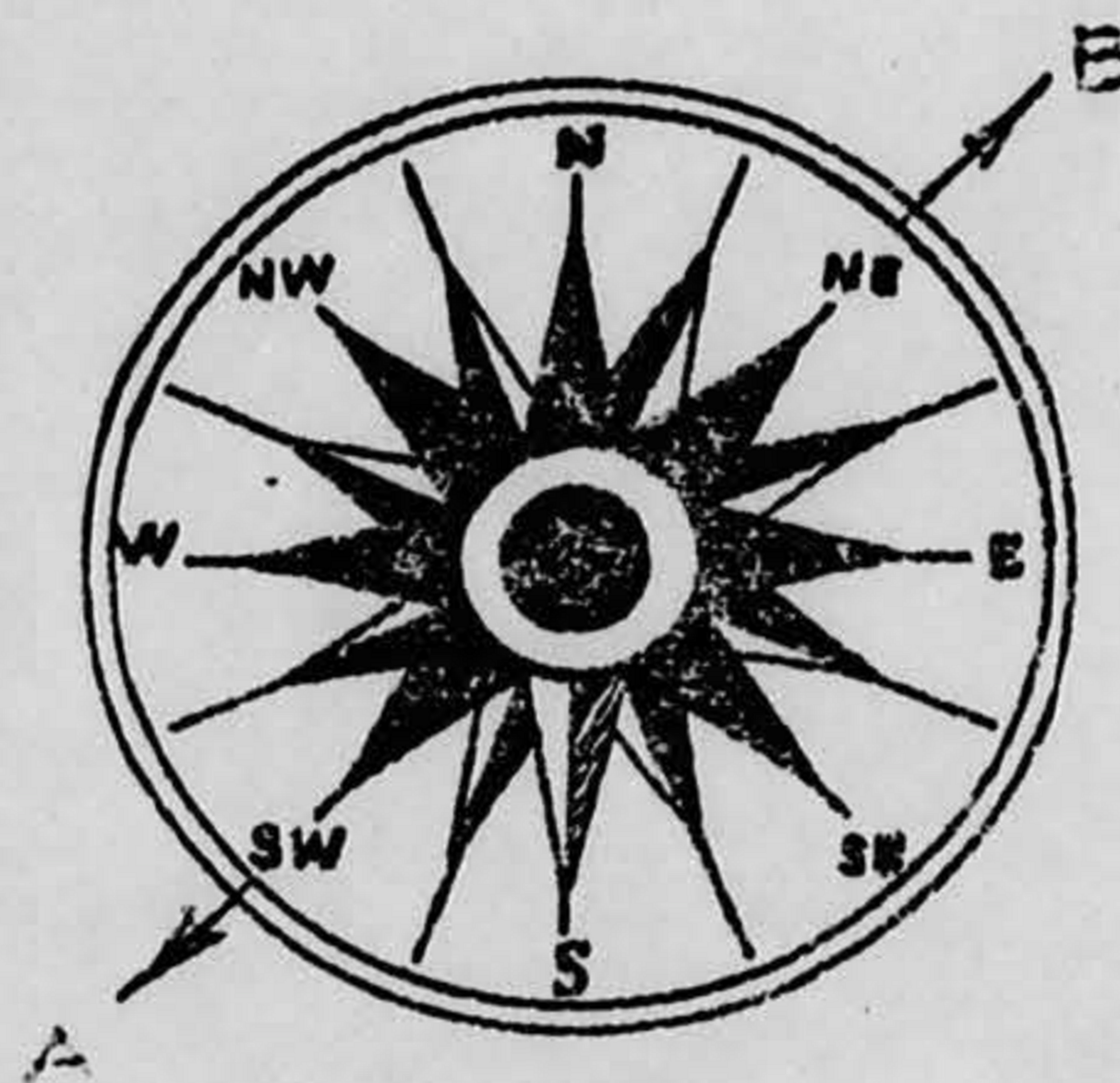
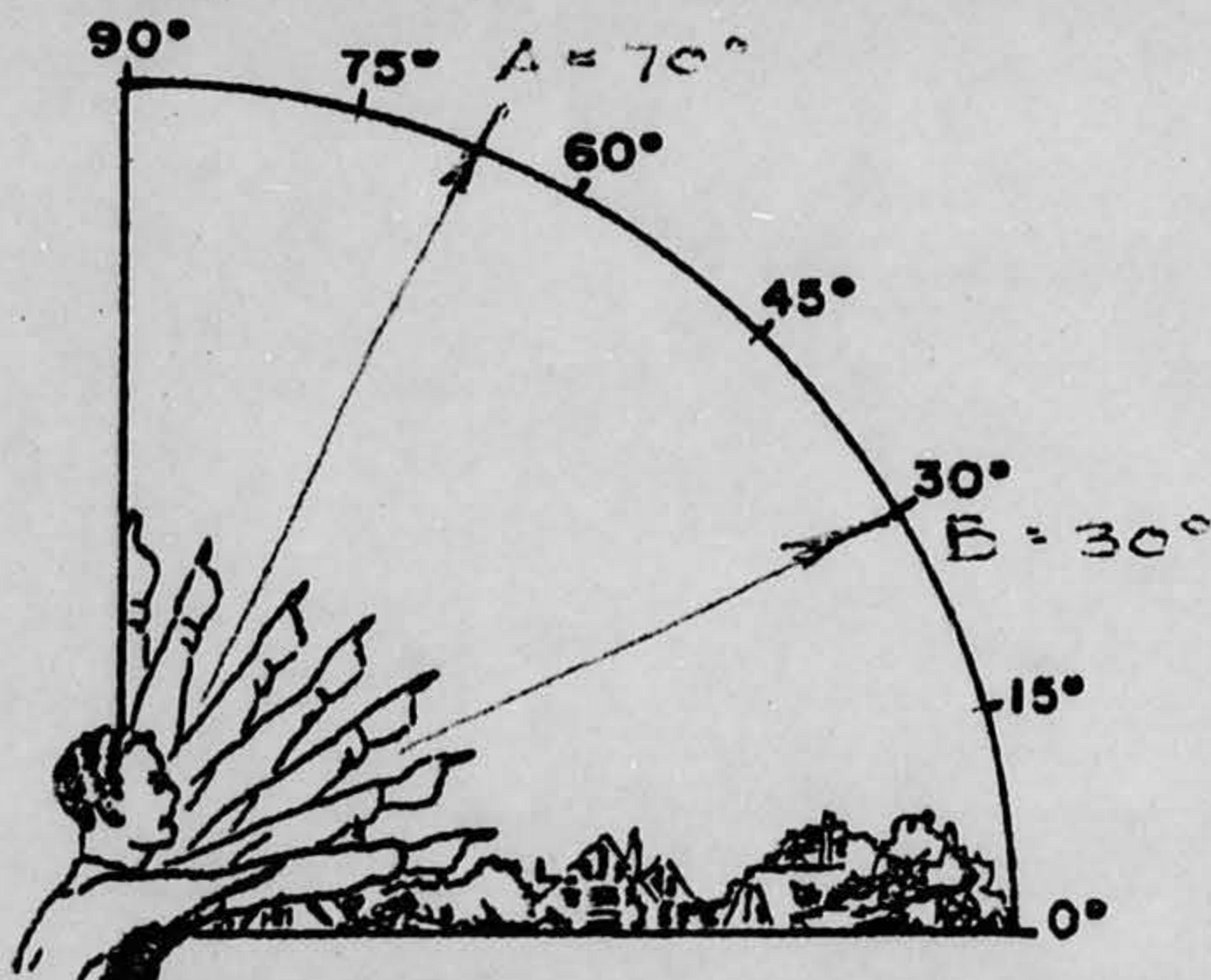
25. Did you observe the object through any of the following?

- | | | | | | |
|-----------------|-----|-------------------------------------|----------------|-----|-------------------------------------|
| 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 _____ | | |

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.

*This object was twice as bright
and slightly larger than our
Echo satellite.*

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.



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.

NO

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:

[REDACTED]
[REDACTED]
CHICAGO 41 ILL.

32. Please give the following information about yourself:

NAME

Last Name

First Name

Middle Name

ADDRESS

Street

City

Zone

State

TELEPHONE NUMBER

AGE

SEX

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?

11th

Day

Sept

Month

1963

Year

Project Bluebook

PROJECT 10073 RECORD CARD

1. DATE 9 Aug 63		2. LOCATION Muskallonge Lake, Michigan		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	
3. DATE-TIME GROUP Local 2040 GMT 10/0140Z		4. TYPE OF OBSERVATION ☒ Ground-Visual ☐ Ground-Radar ☐ Air-Visual ☐ Air-Intercept Radar			
5. PHOTOS ☐ Yes ☒ No		6. SOURCE civilian			
7. LENGTH OF OBSERVATION 25 seconds		8. NUMBER OF OBJECTS one		9. COURSE Easterly	
10. BRIEF SUMMARY OF SIGHTING Solid object with dark center yellow outer edges illuminated, triangular shape with slight tail observed descending to the SE. speed same as jet at 30-40,000 ft. Vapor trail. (See case 7 AUGUST 1963 for more)				11. COMMENTS All facts reported consistent with analysis as jet a/c. Possible afterburner on.	

Sighting #2 was on Friday
Aug. 9, 1963 at 10:40 P.M.
Object appeared to be
triangular in shape with
outer edges illuminated
more so than underside.
This object was emitting
a vapor trail, but unlike
a conventional vapor trail,
it came to a distinct
point thereby giving the
object a diamond shape
effect. First sighted
about 45° off the east
horizon, heading east.
Its altitude was about
30 to 40,000 ft. and speed
was comparable to a large
jet plane at that altitude.
This entire sighting
lasted for 25 seconds,
and then faded from
view.

September 16, 1963

Dear Mr. [REDACTED]

This is in response to your letter of September 11, 1963, in which you reported sighting flying objects on August 7th and 9th in the upper peninsula area of Michigan.

Inclosed are two copies of Form FTD 164. Would you and your brother-in-law complete the questionnaire and forward it directly to the Air Force Systems Command, Foreign Technology Division, Wright-Patterson AFB, Ohio. A self-addressed envelope is inclosed for your convenience.

You will be notified directly by the Foreign Technology Division upon completion of the investigation.

Sincerely,

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

Inclosures

Mr. [REDACTED]
[REDACTED]
Chicago 41, Illinois

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?

9 TH AUG 1963
Day Month Year

2. Time of day: 10 40
Hour 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?

W. P. OF MICHIGAN

1/2 MILE SOUTH OF LAKE SUPERIOR (MUSKALLONGE LAKE)
Nearest Postal Address City or Town State or County

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

25
Hours Minutes Seconds

a. Certain

b. Fairly certain

c. Not very sure

d. Just a guess

5.1 How was time in sight determined? COUNTING

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:

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? | 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. Flash or flicker? | Yes | No | Don't know |
| h. Disappear and reappear? | Yes | No | Don't know |

~~5~~
Chicago 41. Ill.

Sept. 11, 1963

Gentlemen

My brother-in-law and I have just returned from a fishing trip at Muskegon Lake in the U.P. of Michigan.

On two occasions while night fishing, we sighted flying objects. The sky was clear and cloudless and we both are in agreement as to description, direction, action, and general appearance of these objects. Enclosed you will find a map and details of these sightings.

Yours truly
~~_____~~

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

FADED FROM VIEW

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:

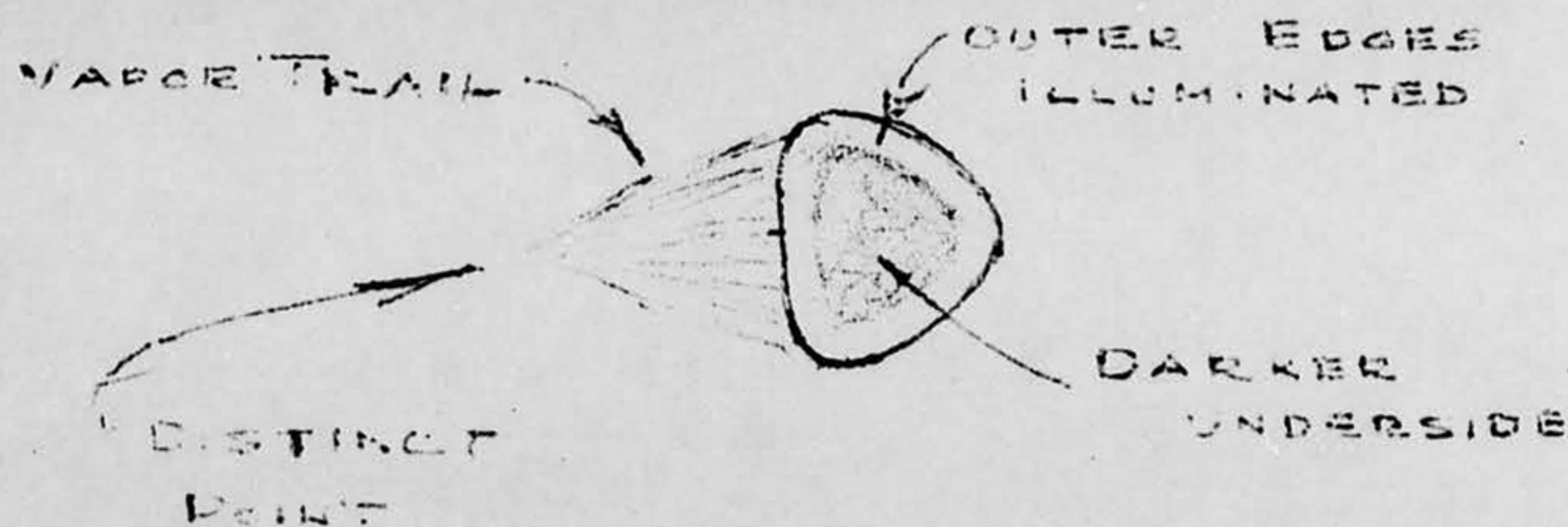
a. Sound NONE

b. Color TRIANGULAR SHAPE OUTER EDGES YELLOW WHITE CORE

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?

$\frac{2}{3}$ of the object

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.



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? SAME AS LARGE JET AT 30-40,000 FT.

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? 30-40,000 FT.

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 _____

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?

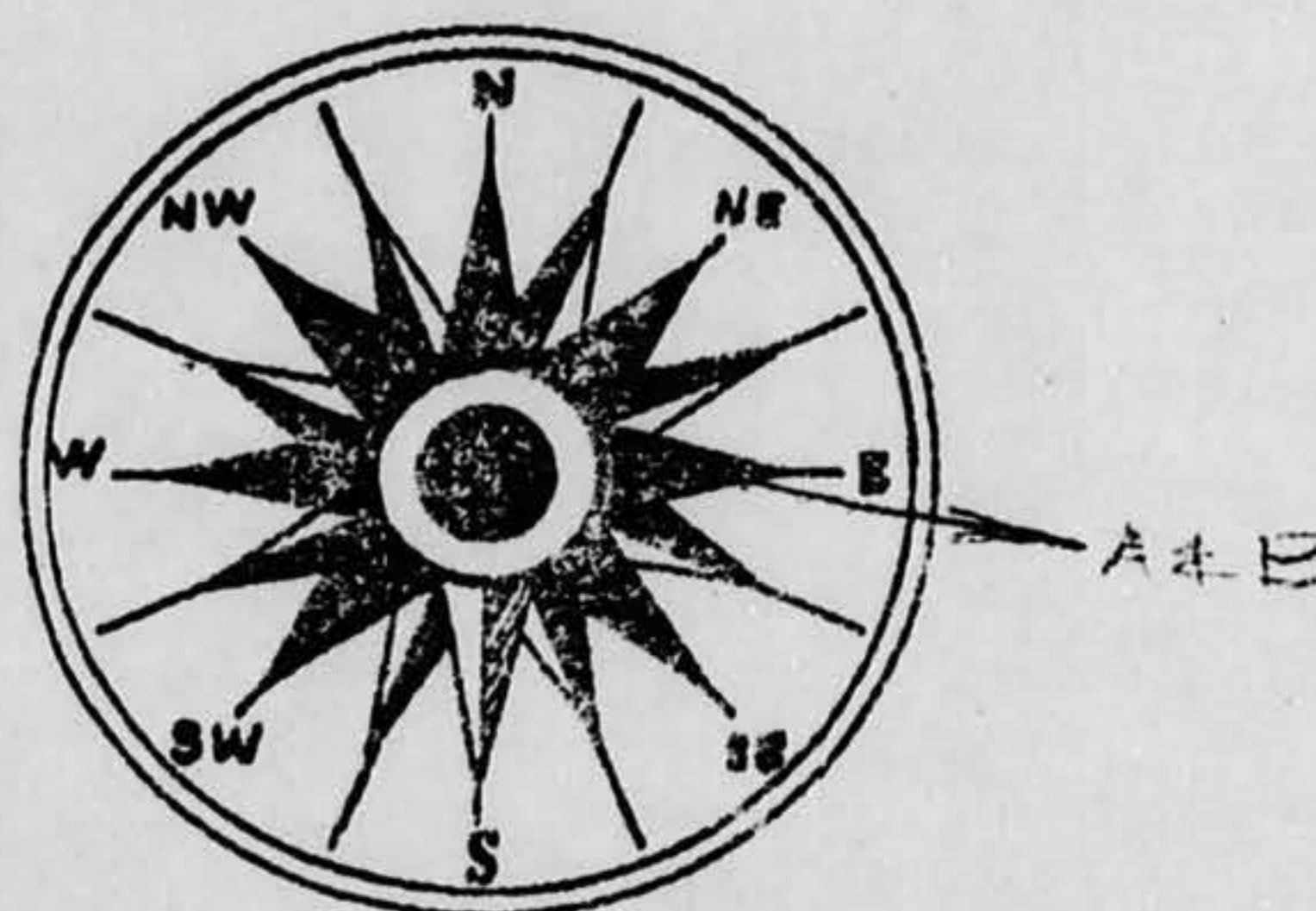
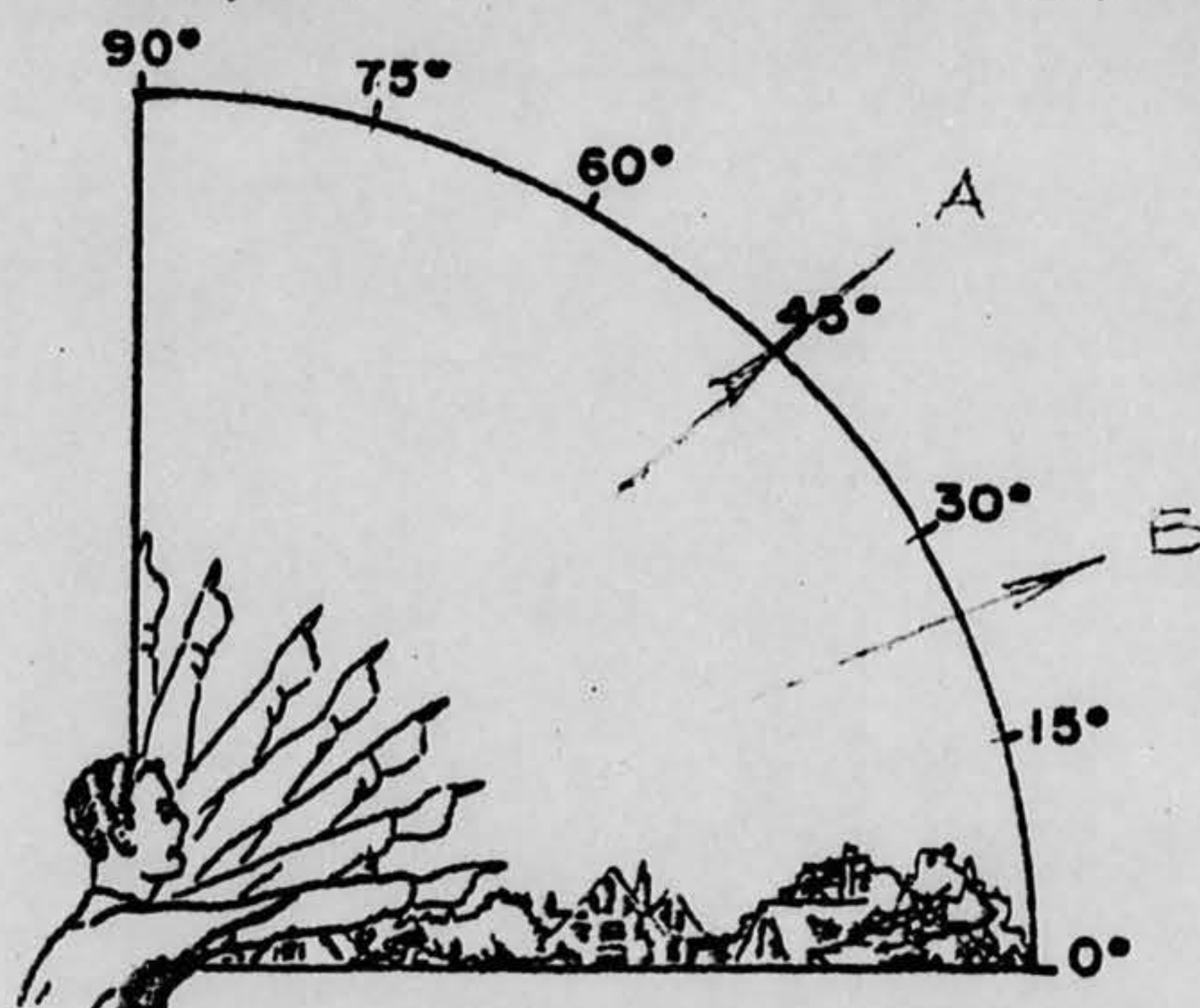
(Circle One) ☐ Yes ☒ No

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 | _____ | |

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.

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.

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.

No

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:

[REDACTED]
[REDACTED]

CHICAGO 2 ILL.

32. Please give the following information about yourself:

NAME

Last Name

First Name

Middle Name

ADDRESS

Street

City

Zone

State

TELEPHONE NUMBER

AGE

SEX

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?

Day

Month

Year

11 2 1963
Project Bluebook

~~Chicago 41, Ill.~~
Chicago 41, Ill.
Sept. 11, 1963

Gentlemen:

My brother-in-law and I have just returned from a fishing trip at Muckallonge Lake in the U.P. of Michigan.

On two occasions while night fishing, we sighted flying objects. The sky was clear and cloudless, and we both are in agreement as to description, direction, action, and general appearance of these objects. Enclosed you will find a map and details of these sightings.

Yours truly
~~_____~~

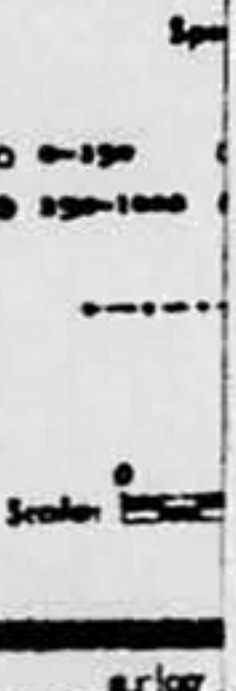
Sighting No 1 was on Wed.
Aug. 7, 1963 at 10:15 P.M.

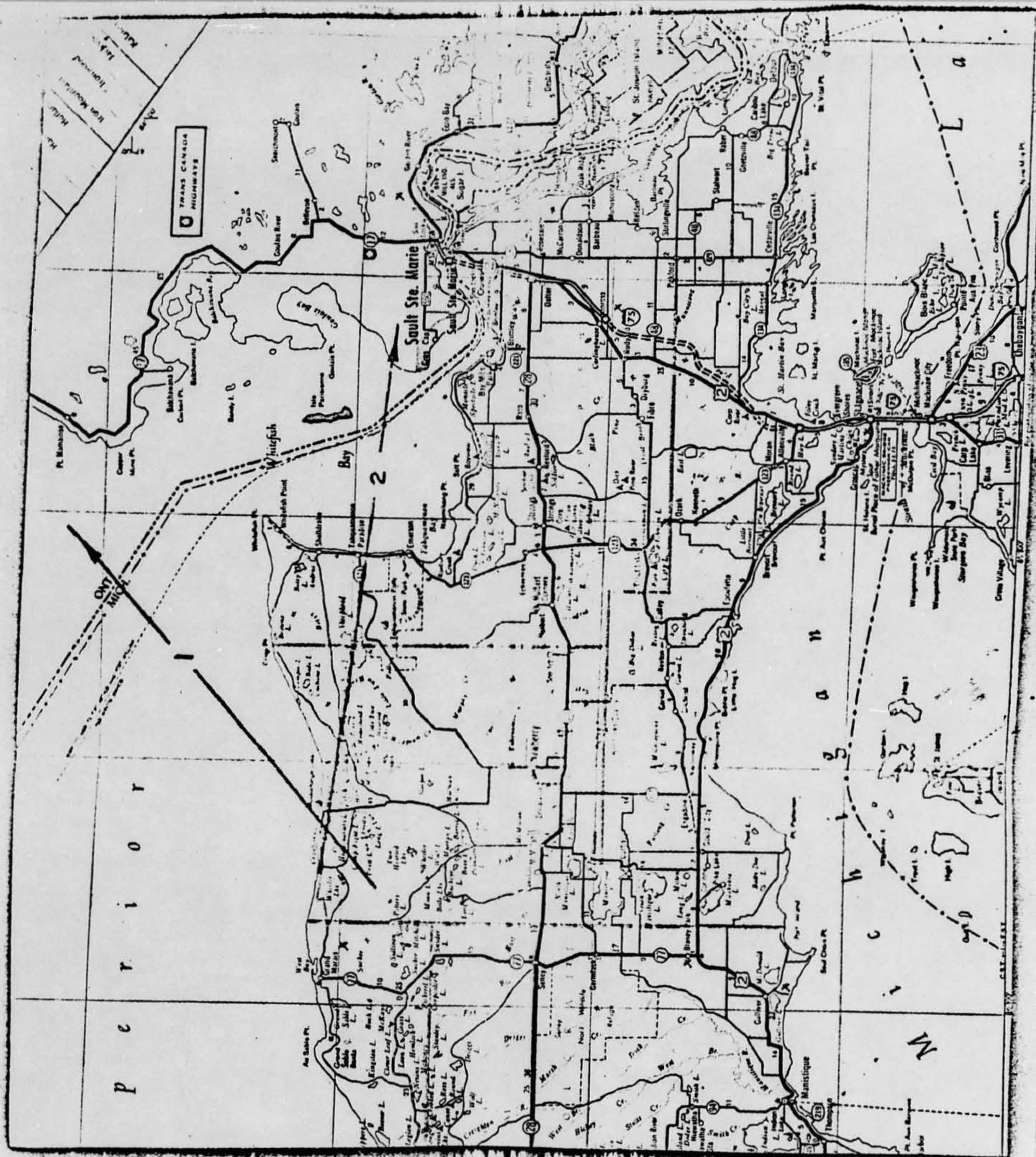
Object appeared to be
round, twice as bright, and
slightly larger than our
Echo satellite. The altitude
appeared to be the same
as that of Echo.

When first sighted about
 70° off Southwest horizon,
its forward motion was
accompanied by a
pronounced pendulum type
swinging. This swinging
lasted about 10 seconds,
then the object resumed a
straight course until it
faded from view at about
 30° off the Northeast
horizon. The speed was
about 10 times as fast as
our Echo. The entire
sighting lasted for
111 A



- Limit of Area
- Dotted Highways
- 4 Lanes or more
- On Numbered Hwy
- Forest Roads
- Improved Roads
- Other Roads
- Unimproved Road
- Under Construct
- State Parks (A)
- (B) No Camping
- State Memorials
- (Monuments, Markers)
- U.S. National Park and Historic Site
- U.S. National Monument
- Fish Hatcheries
- Canadian National
- Recreation Area
- (A) Camping Areas
- (B) No Camping





Sighting No 1 was on Wed:
Aug 7, 1963 at 10:15 P.M.

Object appeared to be
round, twice as bright, and
slightly larger than our
Echo satellite. The altitude
appeared to be the same
as that of Echo.

When first sighted about
70° off Southwest horizon,
its forward motion was
accompanied by a
pronounced pendulum type
swinging. This swinging
lasted about 10 seconds,
then the object resumed a
straight course until it
baded from view at about
30° off the Northeast
horizon. The speed was
about 10 times as fast as
our Echo. The entire
sighting lasted for
1½ minutes.

~~████████████████████~~
~~████████████████████~~
Chicago 41, Ill.

Project "Blue Book"

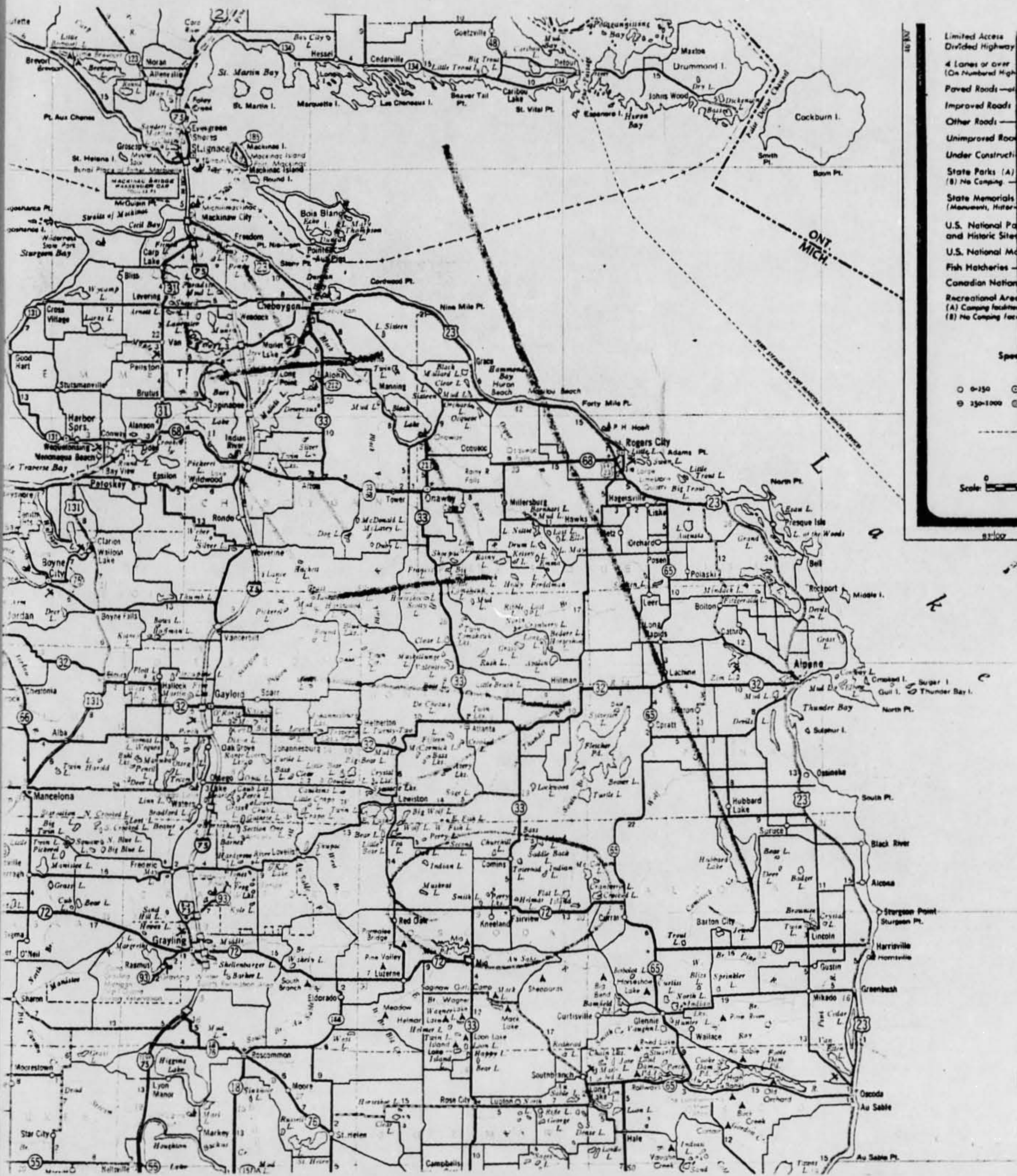
Information Officer

SAF - CI - P Hqd. U S A F.

Room 4C - 916

Pentagon

Washington 25 D.C.



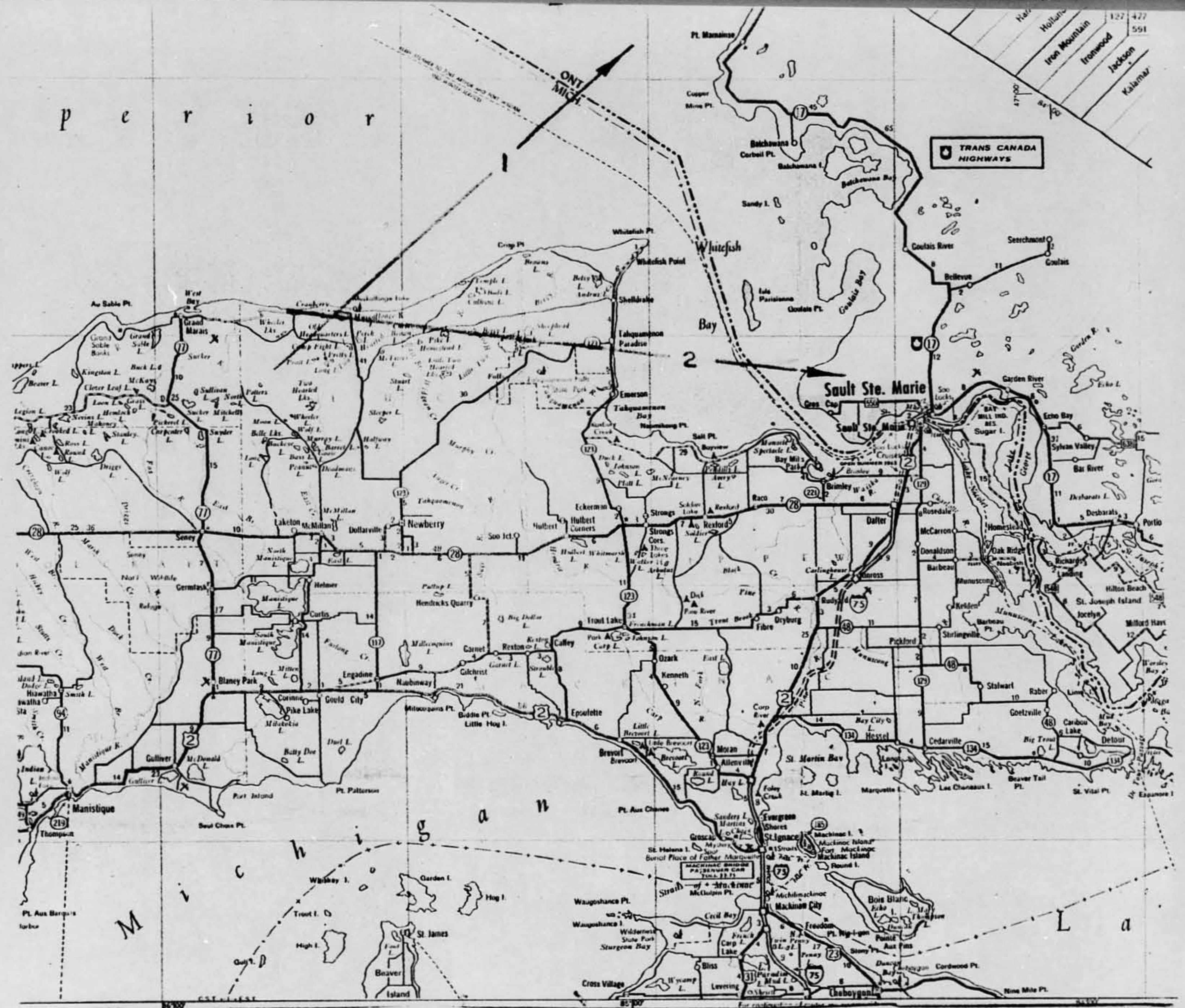
- Limited Access
- Divided Highway
- 4 Lanes or over
(On Numbered Highways)
- Paved Roads
- Improved Roads
- Other Roads
- Unimproved Roads
- Under Construction
- State Parks (A)
(B) No Camping
- State Memorials
(Monuments, Historic Sites)
- U.S. National Parks and Historic Sites
- U.S. National Monuments
- Fish Hatcheries
- Canadian National
- Recreational Areas
(A) Camping facilities
(B) No Camping facilities

Speed

- 0-150
- 150-1000

Scale

0 100 200



DEPARTMENT OF THE AIR FORCE
OFFICE OF THE SECRETARY

MEMORANDUM

Sept 19th

Form 164 sent to

[REDACTED]
Chicago 4, Ill.

Mrs. [REDACTED]
[REDACTED]
Miami, Fla. 33130

[REDACTED]

September 16, 1963

Dear Mr. [REDACTED]

This is in response to your letter of September 11, 1963, in which you reported sighting flying objects on August 7th and 9th in the upper peninsula area of Michigan.

Inclosed are two copies of Form FTD 164. Would you and your brother-in-law complete the questionnaire and forward it directly to the Air Force Systems Command, Foreign Technology Division, Wright-Patterson AFB, Ohio. A self-addressed envelope is inclosed for your convenience.

You will be notified directly by the Foreign Technology Division upon completion of the investigation.

Sincerely,

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

Inclosures

Mr. [REDACTED]
[REDACTED]
Chicago 41, Illinois

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?

7TH AUG 1963
Day Month Year

2. Time of day: 10:15
Hour 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?

U.P. ON MICHIGAN
1/2 MILE SOUTH OF LAKE SUPERIOR (MUSKALLONGE LAKE)
Nearest Postal Address City or Town State or Country

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

1 1/2
Hours Minutes Seconds

a. Certain
b. Fairly certain

c. Not very sure
d. Just a guess

5.1 How was time in sight determined? WATCH

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