PROJECT 10073 RECORD

1. DATE - TIME GROUP	2. LOCATION
2 November 66 03/0430Z	Duluth, Minn. (2 Witnesses)
3. SOURCE Civilian	**10. CONCLUSION** Astro (RIGEL) Poss. Sirius off true wrong by ½ hr. JTC
4. NUMBER OF OBJECTS One	At the time of the sighting RIGEL was on an azimuth of 115 deg and an elevation of 13 deg.
5. LENGTH OF OBSERVATION 1 Hour, 45 Minutes	**11. BRIEF SUMMARY AND ANALYSIS**
6. TYPE OF OBSERVATION Ground-Visual	Observers noted star like object in the eastern sky that was stationary during most of the observation. The object was yellowish-white and did not disappear while being watched. Object gradually moved toward the south and manuvered in all directions. Observer said there were no visible stars in the eastern sky due to the brightness of the moon. Description is consistent with that of an astronomical observation.
7. COURSE E	
8. PHOTOS ☐ Yes XX No	
9. PHYSICAL EVIDENCE ☐ Yes XX No	

FORM
FTD SEP 63 0-329 (TDE) Previous editions of this form may be used.

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
INCOMING MESSAGE

3 Nov 66
p44p 2 - Duluth, Minn.

AF IN : 47512 (3 Nov 66) P/rb

ACTION: RDC-4

INFO : XOP-1, XOPX-2, SAFOS-3, NIN-7, DIA-1 (19)
SMB A217BVA623

PTTU JAW RUCIHMA0033 3072040-UUUU--RUEDHQA.

ZNR UUUUU

P 031430Z NOV 66

FM HQ 29ADIV DULUTH INTL APRT MINN

TO RUWMFVA/ADC

RUEDFIF/FTD WRIGHT PATTERSON AFB OHIO

RUEDHQA/CSAF

RUEDHQA/OSAF

BT

UNCLAS FROM 29OIN 11005 NOV 66. FOR: ADOIN, TDETR, AFRDC,

SAF-OI. SUBJECT: UNIDENTIFIED FLYING OBJECT. REFERENCE AFR 80-17.

1. DESCRIPTION OF THE OBJECT:

A. CHANGING SHAPE, RAYS OF LIGHT ROTATING OUT.

B. ONE-TWENTIETY (1/20) SIZE OF FULL MOON.

C. YELLOWISH WHITE.

D. ONE.

E. N/A.

F. AT TIMES HAD SHORT TAIL.

G. NONE.

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H. NONE.

2. DESCRIPTION OF COURSE OF OBJECT:

A. LOOKING OUT WINDOW AT LAKE SUPERIOR.

B. EIGHTEEN DEGREES ABOVE HORIZON.

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C. EIGHTEEN DEGREES ABOVE HORIZON.

D. ERRATIC, MOVED SOUTH.

E. OBSERVER WENT TO BED WHILE IT WAS STILL VISIBLE.

F. ALMOST TWO HOURS.

3. MANNER OF OBSERVATION:

A. GROUND VISUAL.

B. EIGHT POWER TELESCOPE.

C. N/A.

4. TIME AND DATE OF SIGHTING:

A. 03/0440 ZULU.

B. NIGHT.

5. LOCATION OF OBSERVERS: THREE NINE TWO FIVE LAKE AVENUE SOUTH, DULUTH, MINNESOTA.

6. IDENTIFYING INFORMATION ON OBSERVERS: CIVILIAN [redacted]
AGE THIRTY-SEVER, ADVERTISING BUSINESS, HOME ADDRESS: [redacted]

[redacted] SOUTH, DULUTH, MINNESOTA. HOME PHONE: [redacted]

[redacted] FFICE PHON[redacted]

[redacted] HIS WIFE ALSO OBSERVED THE OBJECT.

7. WEATHER AND WINDS ALOFT CONDITIONS AT TIME AND PLACE OF SIGHTING:

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A. STILL. STARS NOT VISIBLE.

B. AWS ACCOUNT OF WINDS ALOFT:

(1) 360/05

(2) 240/07

(3) 320/14

(4) 330/25

(5) 330/38

(6) 310/25

(7) 280/16

(8) UNKNOWN

C. NONE.

D. FIFTEEN MILES PLUS.

E. TWO THOUSAND SCATTERED.

F. NONE.

G. ONE POINT TWO DEGREES CENTIGRADE PER THOUSAND FEET TO FIFTY THOUSAND FEET.

8. ANY OTHER UNUSUAL ACTIVITY OR DONDITION: NO INVERSION.

9. INTERCEpTION OR IDENTIFICATION ACTION TAKEN: NONE.

10. LOCATION OF AIR TRAFFIC AND BALLOON RELEASES: UNKNOWN.

11. POSITION TITLE AND COMMENTS OF THE PREPARING OFFICER:

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INTELLIGENCE OFFICER. OBJECT SEEN ON COLD NIGHT OVER LAKE SUPERIOR, SO LOCAL ATOMOSPHERIC DISTURBANCE IS POSSIBLE. OBSERVER'S STORY SOUNDED COHERENT.

12. PHYSICAL EVIDENCE. NONE.

BT

NNNN

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?

2 (Day) 11 (Month) 1966 (Year)

2. Time of day: 10:30 (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?

[redacted] (Nearest Postal Address) Duluth (City or Town) Minn. (State or County)

5. How long was object in sight? (Total Duration) 1 (Hours) 45 (Minutes) _____ (Seconds)

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

5.1 How was time in sight determined? clock

5.2 Was object in sight continuously? Yes X No ____

We retired while phenomenon was still in sky, at about 12:15 A.M.

6. What was the condition of the sky?

DAY
a. Bright
b. Cloudy

NIGHT
(a. Bright) — with one low-lying cloud bank.
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

FORM FTD OCT 62 164 This form supersedes FTD 164, Jul 61, which is obsolete.

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 with cloud bank to south east
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 intense flame

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 but changing

13. Did the object:

(Circle One for each question)

a. Appear to stand still at any time? → occasionally, although usually manuevering	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?

NO

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: it approached edge of cloud formation but was not obscured by cloud at any time

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: see above

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

a. Sound none

b. Color usually yellow-white

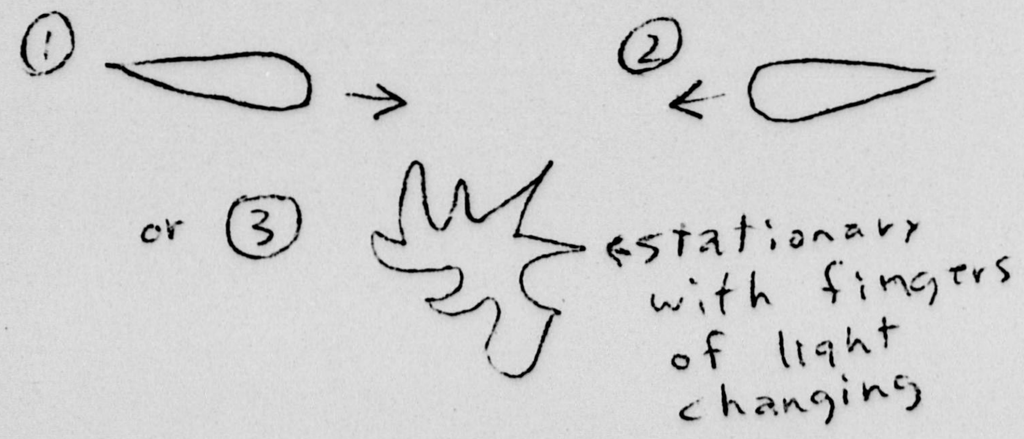
18. We wish to know the angular size. Hold a match stick at arm's length in line with a known object and note how much of the object is covered by the head of the match. If you had performed this experiment at the time of the sighting, how much of the object would have been covered by the match head?

all of it

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.

3 of many appearances!



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 difficult to estimate but 10 miles or more

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 _____

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

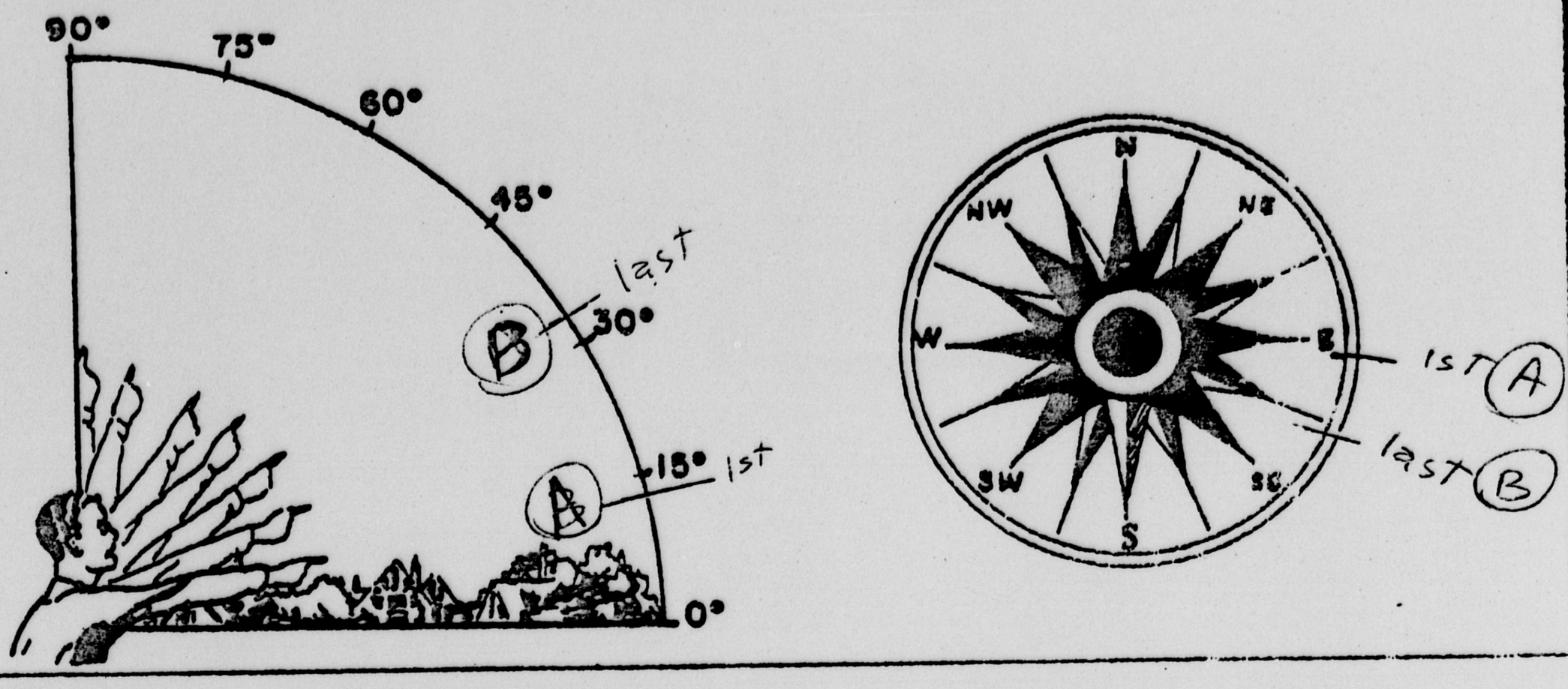
25. Did you observe the object through any of the following?

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.

- arc-welder's fire when welding
- comet, except that this phenomenon changed shape and had no regular course

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.

while gradually moving south and west, phenomenon manuevered about in all directions

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:

wife [redacted], same address

32. Please give the following information about yourself:

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

ADDRESS [redacted] (Street) DULUTH (City) 55802 (Zone) MINN (State)

TELEPHONE NUMBER [redacted] AGE 37 SEX M

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? - DULUTH AIR FORCE BASE - CONCURRENT WITH SIGHTING

_____ (Day) _____ (Month) _____ (Year)

34. Date you completed this questionnaire: 9 (Day) NOV. (Month) 1966 (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 WAS DISSAPOINTED THAT AIR FORCE DID NOT DISPATCH AIRCRAFT TO MAKE A CLOSER VISUAL INVESTIGATION. I BELIEVE THAT PHENOMENON WAS WITHIN REASONABLE RANGE. PHENOMENON COULD EASILY HAVE BEEN PHOTOGRAPHED.

— THERE WERE NO STARS VISIBLE IN THIS PART OF SKY BECAUSE MOON WAS VERY BRIGHT, TENDING TO WASH OUT STAR LIGHT. PHENOMENON; HOWEVER WAS AN INTENSE LIGHT. OUR VISION WAS UNIMPAIRED AS WE VIEWED FROM SHORE OF LAKE SUPERIOR, AND PHENOMENON WAS IN SKY OVER LAKE.

— SCOPE WAS 8 X BY 50 MM OBJECTIVE.

— S.A.G.E. PERSONNEL WHO CONDUCTED TELEPHONE INTERVIEW WERE COURTEOUS.

— LIGHT WAS GONE IN A FLASH AND HAS NOT APPEARED SINCE.

— YOUR QUESTIONNAIRE USES WORD "OBJECT" FREQUENTLY. OUR ANSWERS APPLY TO A LIGHT. WE ARE NOT SURE IT COULD BE DESCRIBED AS AN OBJECT - AT LEAST WE COULD NOT DETERMINE THAT IT HAD MASS.

Nov. 66

FTD (TDETR) hl
Wright-Patterson AFB, Ohio 45433
7 November 1966

[redacted] South
Duluth, Minnesota 55802

Dear Mr. [redacted]

Reference your unidentified observation of November 1966. The information which we have received is not sufficient for evaluation. Request you complete the attached FTD Form 164 and return it in the envelope provided.

We wish to thank you for reporting your observation to the Air Force.

Sincerely,

HECTOR QUINTANILLA, Jr, Major, USAF
Chief, Project Blue Book

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