

# PROJECT 10073 RECORD

1. DATE - TIME GROUP 17 Nov 65 17/0600-1000Z	2. LOCATION north of Ellerbe, N. C.
3. SOURCE Civilian	10. CONCLUSION Astro (METEOR SHOWER) ✓
4. NUMBER OF OBJECTS approx 25	LEONIDS. Radiant. 152 (Ra 10) Decl +22. Constellation Leo now in East above horizon.
5. LENGTH OF OBSERVATION about 4 seconds each	11. BRIEF SUMMARY AND ANALYSIS  Only one object appeared at a time, but over a period of two hours approx 25 appeared. Objects appeared as burning white lights sometimes possessing a tail of red-orange sparks. First object went from east to west 20 deg off the horizon, but there was no steady pattern of flight or elevation. The objects generally faded out. The night was clear and there was no known a/c in the area. Meteorites were sighted by Pope AFB throughout the night of the 16th and the morning of the 17th. Investigator believes objects to be meteorites.
6. TYPE OF OBSERVATION Ground-Visual	
7. COURSE varied	
8. PHOTOS <input type="checkbox"/> Yes <input type="checkbox"/> No	
9. PHYSICAL EVIDENCE <input type="checkbox"/> Yes <input type="checkbox"/> No	

FORM

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



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STAFF MESSAGE BRANCH  
INCOMING MESSAGE

AF IN : 34828 (20 Nov 65) S/Jpr

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ACTION: NIN-7

INFO : XOP-1, XOPX-2, SAF-OS-3, DIA-1 (15)

SUB C005PTTU JAW RUEBFEA0999 3232200-UUUU--RUEBHQA.

ZNR UUUUU

P 192127Z

FM 464TRPCARRWG POPE AFB NC

TO RUWGALE/ADC

RUWMEVA/9AEROSPDEFDIV ENT AFB COLO

RUODSQ/AFSC FTD WRIGHT-PATTERSON AFB OHIO

RUEBHQA/HQ USAF

RUEBHQA/SECRETARY OF THE AF

INFO RUWTPRA/839ADIV SEWART AFB TENN

RUWTPSA/9AF SHAW AFB SC

RUEBBRA/TAC

BT

UNCLAS COIN 11570 19 NOV 1965. SECTION ONE OF TWO SECTIONS.

FOR HQ USAF (AFNIN), SECRETARY OF THE AF (SAFOI), 839 ADIV, 9AF

AND TAC FOR DI. SUBJECT UFO REPORT.

1. UFO. THE FOLLOWING INFORMATION IS SUBMITTED IN ACCORDANCE WITH

AFR 200-2, 20 JUL 62. INFO IN FORMAT OUTLINED IN PAR 14.

A. DESCRIPTION OF OBJECT SIGHTED:

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FORM  
JAN 65

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(1) THE SHAPE OF THE OBJECT WAS NOT DISCERNABLE TO EITHER OF THE OBSERVERS AND IT APPEARED ONLY AS A PINPOINT OF LIGHT WITH A SMALL TAIL OF SPARKS.

(2) BOTH OBSERVERS ESTIMATED THE SIZE OF THE OBJECT WOULD  
PAGE 2 RUEBFEA0999 UNCLAS  
APPEAR TO BE THE SAME SIZE AS A PINHEAD AT ARMS LENGTH.

(3) THE OBSERVERS CONCURRED THAT THE COLOR WAS A WHITE BURNING LIGHT THAT SOMETIMES POSSESSED A TAIL OF RED-ORANGE SPARKS.

(4) ONLY ONE OF THESE OBJECTS WERE IN SIGHT AT A TIME, BUT OVER A PERIOD OF TWO HOURS AS MANY AS TWENTY-FIVE WERE SIGHTED BY BOTH OBSERVERS.

(5) THERE WAS NO FORMATION OR TIME OF SEQUENCING.

(6) NEITHER OBSERVER COULD PROVIDE ANY DISCERNABLE FEATURES DUE TO THE FACT THAT IT APPEARED ONLY AS LIGHT.

(7) THE TAIL APPEARED TO BE ABOUT ONE-HALF AN INCH LONG AT ARMS LENGTH.

(8) THERE WAS NO SOUND.

(9) NO OTHER PERTINENT FEATURES WERE MENTIONED BY EITHER OBSERVER.

B. DESCRIPTION OF COURSE OF OBJECTS:

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(1) MR. [REDACTED] FIRST SPOTTED THE OBJECT STREAKING ACROSS THE SKY WHILE DRIVING AT NIGHT. MR. [REDACTED] FIRST SAW THE OBJECTS WHEN HE WAS INFORMED OF THEIR PRESENCE BY MR. [REDACTED]

(2) WHEN FIRST OBSERVED BY MR. [REDACTED], THE OBJECT WAS HEADING FROM THE EAST TO WESTOUT TWENTY DEGREES OFF THE HORIZON. SUCCEEDING PAGE 3 RUEBFEA0999 UNCLAS SIGHTINGS INDICATED THAT THERE WAS NO STEADY PATTERN OF FLIGHT OR ELEVATION.

(3) THE OBJECTS, IN ALL CASES, DISAPPEARED BEFORE THEY REACHED THE HORIZON BUT THERE APPEARED TO BE NO PATTERN CONSTANT TO THEIR DISAPPEARANCE.

(4) THE FIRST OBJECT SEEN BY THE INITIAL OBSERVER, MR. [REDACTED] APPEARED TO SLOW DOWN AND THEN CHANGE COURSE SLOGLTY BEFORE DISAPPEARING. ALL OTHER SIGHTINGS TRAVELED IN A STRAIGHT LINE.

(5) THE OBJECTS GENERALLY FADED OUT, BUT THE INITIAL OBJECT SIGHTED DISAPPEARED SUDDENLY. THERE WAS NO DISCERNABLE PATTERN OF ANGLES OR ELEVATIONS UPON THE OBJECTS' DISAPPEARANCE.

(6) THE OVSERVERS AGREED THAT THE OBJECT' APPEARANCE LENGTH VARIED. THE ESTIMATES RAN FROM THREE TO FOUR SECONDS DOWN TO A HALF SECOND.

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C. MANNER OF OBSERVATION:

- (1) GROUND VISUAL.
- (2) NO AIDS.
- (3) NOT APPLICABLE.

D. TIME FOR SIGHTING:

- (1) 0600 - 1000 ZULU, 17 NOVEMBER 1965.

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- (2) NIGHT-LIGHT CONDITIONS.

E. LOCATION OF OBSERVERS: MR. [REDACTED] FIRST NOTICED THE PHENOMENA ABOUT THREE MILES NORTH OF ELLERBE, NORTH CAROLINA. SUBSEQUENT OBSERVATIONS WERE ON THE NORTH OF SIDE OF ELLERBE.

F. INFORMATION ON OBSERVERS:

(1) [REDACTED], ROCKINGHAM, NORTH CAROLINA. [REDACTED] IS A SALESMAN. MR. [REDACTED] APPEARS TO BE RELIABLE. MR. [REDACTED] NORTH CAROLINA. MR. [REDACTED] IS A LAW ENFORCEMENT OFFICER FOR THE CITY OF ELLERBE AND APPEARS TO BE EXTREMELY OBJECT AND RELIABLE.

- (2) NONE

G. WEATHER AND WINDS ALOFT:

- (1) OBSERVERS STATED THAT WAS EXTREMELY CLEAR WITH NO

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DATE OF REVIEW: 10/10/2001  
BY: [illegible]  
REASON: [illegible]

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[illegible]

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DATE OF REVIEW: 10/10/2001  
BY: [illegible]  
REASON: [illegible]



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CLOUDS, HAZE OR OTHER OBSTRUCTION TO VISIBILITY.

(2) WINDS AT THE APPROXIMATE TIME OF SIGHTING:

SURFACE	290/30K
6,000	290/45K
10,000	280/55K
16,000	280/75K
20,000	280/105K

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30,000	280/105K
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(3) CEILING WAS UNLIMITED.

(4) VISIBILITY WAS UNLIMITED.

(5) NO CLOUDS EXISTED AT THE TIME OF THE SIGHTINGS.

(6) NO THUNDERSTORMS EXISTED AT THE TIME OF THE SIGHTINGS.

(7) THE VERTICAL TEMPERATURE GRADIENT WAS ONE DEGREE PER THOUSAND FEET.

H. NOVEMBER IS CONSIDERED THE HEART OF THE METEORITE SEASON AND METEORITES WERE SIGHTED BY POPE CONTROL TOWER PERSONNEL THROUGHOUT THE NIGHT OF THE 16TH AND THE MORNING OF THE 17TH.

I. NOT APPLICABLE.

J. THERE WAS NO REPORTED AIR TRAFFIC IN THE ELLERBE AREA. ALL

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WEATHER BALLOONS RELEASED BY POPE (NEAREST INSTALLATION) WOULD HAVE BEEN TRAVELING EAST AND ELLERBE IS WEST OF POPE AFB.

K. NOLAN W. SCHMIDT, 2ND LT, USAF, NAVIGATOR. I ASKED MR.

[REDACTED] THESE SIGHTINGS APPEARED TO BE METEORITES AND HE REPLIED THAT HE HAD NEVER SEEN A METEORITE QUITE THAT BRIGHT. HE ADMITTED, HOWEVER, THAT SUBSEQUENT SIGHTINGS APPEARED TO BE METEORITES. MR.

[REDACTED] STATED THAT HE BELIEVED THAT THE SIGHTINGS HE SAW WERE METEORITES.

BT NOTE : SECTION II is AF IN : 34837 (20 Nov 65).  
ADVANCE COPY DELIVERED TO DIA.

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SMB A013PTTU JAW RUEBF EA1000 3232200 UUUU--RUEBHQA.

BT

UNCLAS DOIN 11570 19 NOV 1965, FINAL SECTION OF TWO.

THE REASON THAT MR. [REDACTED] THOUGHT THAT THE FIRST OBJECT MAY HAVE BEEN SOMETHING OTHER THAN A METEORITE WAS THE OBJECT'S APPARENT CHANGE OF COURSE. [REDACTED] AND I SAT IN HIS CAR AND HE POINTED OUT THE DIRECTION THAT THE OBJECT CHANGED COURSE AND AT THE APPROXIMATE ANGLE FROM THE DRIVER THAT THE COURSE CHANGE TOOK PLACE. AT THAT

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APPROXIMATE POINT AND ANGLE THERE IS A CURVE IN THE WINDSHIELD GLASS  
AND I BELIEVE THAT REFRACTION DUE TO THE CURVED GLASS IN HIS WIND-  
SHIELD CAUSED THE APPARENT COURSE CHANGE. I BELIEVE THE OBJECT TO  
BE A METEORITE.

1. NONE.

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List of Annually Recurring Northern Hemisphere Meteor Showers						
STREAK	Date at Maximum	Extreme Limits	Radiant R.A. Declination / 1950	Vel. in Atmos. km sec-1	Hourly Rate at Maximum	Transit of Radiant LOC T. M.N. 200h
Quadrantids	Jan. 3	Jan 1-4	230 / 48	38.5	VISUAL 30	8h 28m
Aurigids	Feb. 9	5 Days(?)	75 / 42	----	5	19h 43m
Virginids	Mar 13	16 Days(?)	183 / 4	30.8	1 (?)	0h 49m
Lyrids	Apr 22	2 Days	270 / 33	48.4	5	3h 59m
Aquarids	May 4	10 Days	336 / 0	64	5	7h 36m
Arietids	June 8	May 29- June 18	44 / 23	38.0	--	9h 51m
Perseids	June 9	June 1-16	62 / 23	28.9	--	10h 59m
Taurids	June 30	June 24- July 6	86 / 19	31.4	--	11h 12m
Aquarids	July 28	July 24- Aug 7	339 - 17	40.5	10	2h 14m
Perseids	Aug. 12	July 29- Aug 17	46 / 58	59.2	37	5h 43m
Orionids	Oct. 22	Oct 18-26	94 / 16	65.5	13	4h 12m
Southern Taurids	Nov. 1	Oct 27- Nov 22	51 / 14	28.1	5	0h 40m
Northern Taurids	Nov 12	Oct 17- Dec 2	52 / 21	29.5	5	0h 1m
Leonids	Nov 17	5 Days	152 / 22	70.8	6	6h 22m
Geminids	Dec 13	Dec 7-15	113 / 32	35.9	55	2h 12m
Ursids	Dec 22	Dec 22-23	217 / 76	37.4	15	8h 24m
			Periodic Stream			
Giacobinids	Oct 10 1959	1 Day	262 / 54	23.1	4200	16h 13m

The above taken from HANDBOOK OF GEOPHYSICS, Revised Edition, 1960, ARDC.