

PROJECT 10073 RECORD

DATE - TIME GROUP 17 Nov 65 17/0600-1000Z	2. LOCATION north of Ellerbe, N. C.
SOURCE Civilian	10. CONCLUSION Astro (METEOR SHOWER) <input checked="" type="checkbox"/>
NUMBER OF OBJECTS approx 25	LEONIDS. Radiant. 152 (Ra 10) Decl +22. Constellation Leo low in East above horizon.
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.
TYPE OF OBSERVATION round-Visual	
COURSE varied	
PHOTOS <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
PHYSICAL EVIDENCE <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

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

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DEPARTMENT OF THE AIR FORCE
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)~~
SMB C005PTTU JAW RUEBFEA0999 3232200-UUUU--RUEBHQ.A.

ZNR UUUUU

P 192127Z

PT 464TRPCARRWG POPE AFB NC

TO RUWGALE/ADC

RUWMFVA/9AEROSPDEFDIV ENT AFB COLO

RUCDSQ/AFSC FTD WRIGHT-PATTERSON AFB OHIO

RUEBHQ.A/HQ USAF

RUEBHQ.A/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 (CSAF01), 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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(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 RUEBFEA 0999 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. ██████████ FIRST SPOTTED THE OBJECT STREAKING
ACROSS THE SKY WHILE DRIVING AT NIGHT. MR. ██████████ FIRST SAW THE
OBJECTS WHEN HE WAS INFORMED OF THEIR PRESENCE BY MR. ██████████

(2) WHEN FORST OBSERVED BY MR. ██████████, THE OBJECT WAS HEADING
FROM THE EAST TO WEST OUT TWENTY DEGREES OFF THE HORIZON. SUCCEEDING
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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.

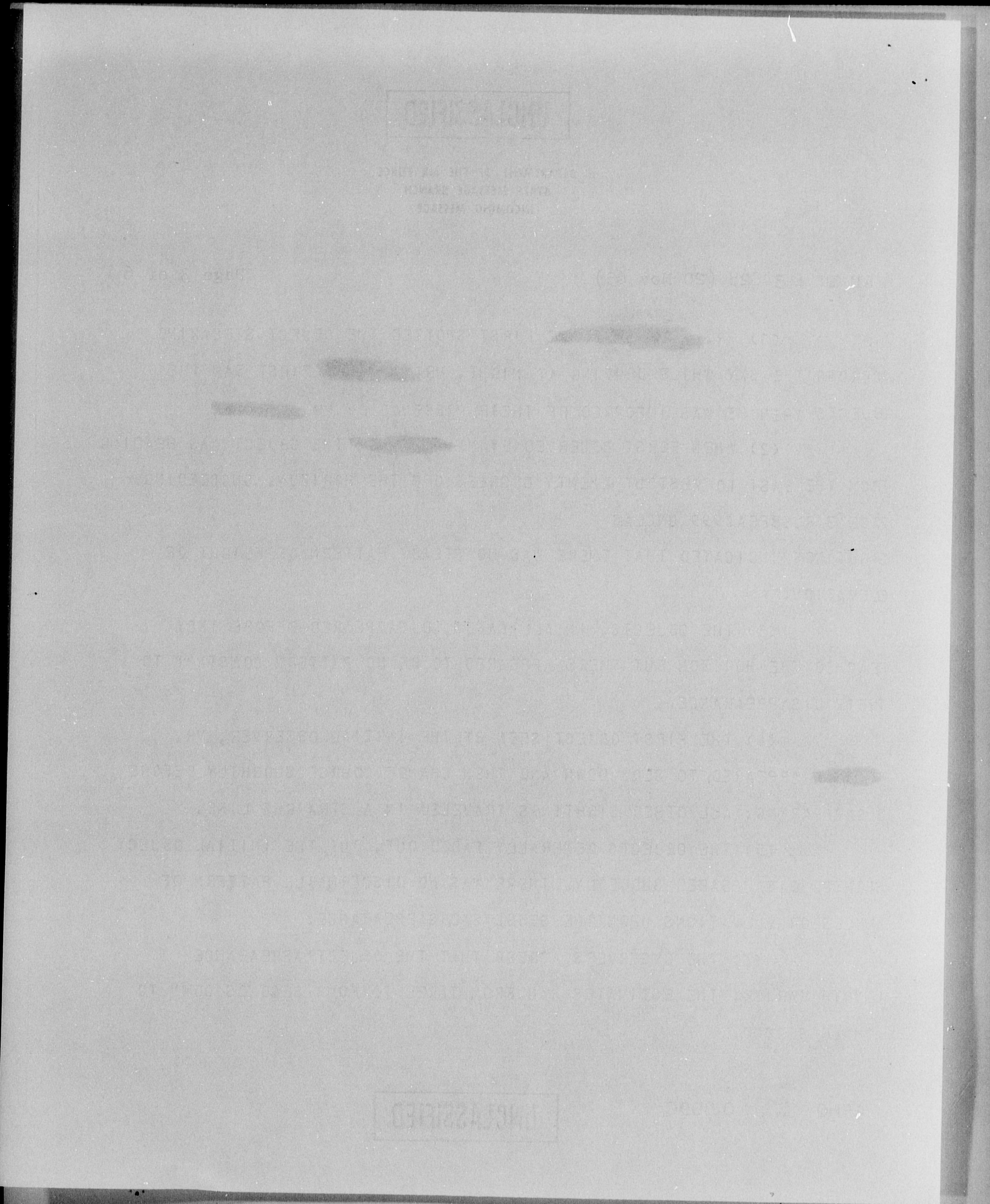
(4) THE FIRST OBJECT SEEN BY THE INITIAL OBSERVER, MR.
██████████ APPEARED TO SLOW DOWN AND THEN CHANGE COURSE SLOGLTLY BEFORE
DISAPPEARING. ALL OTHER SIGHTINGS TRAVELED IN A STRAIGHT LINE.

(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 OVSEVERS 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. ██████████ FIRST NOTICED THE PHENOMENA ABOUT THREE MILES NORTH OF ELLERBE, NORTH CAROLINA. SUBSEQUENT OBSERVATIONS WERE ON THE NORTH SIDE OF ELLERBE.

F. INFORMATION ON OBSERVERS:

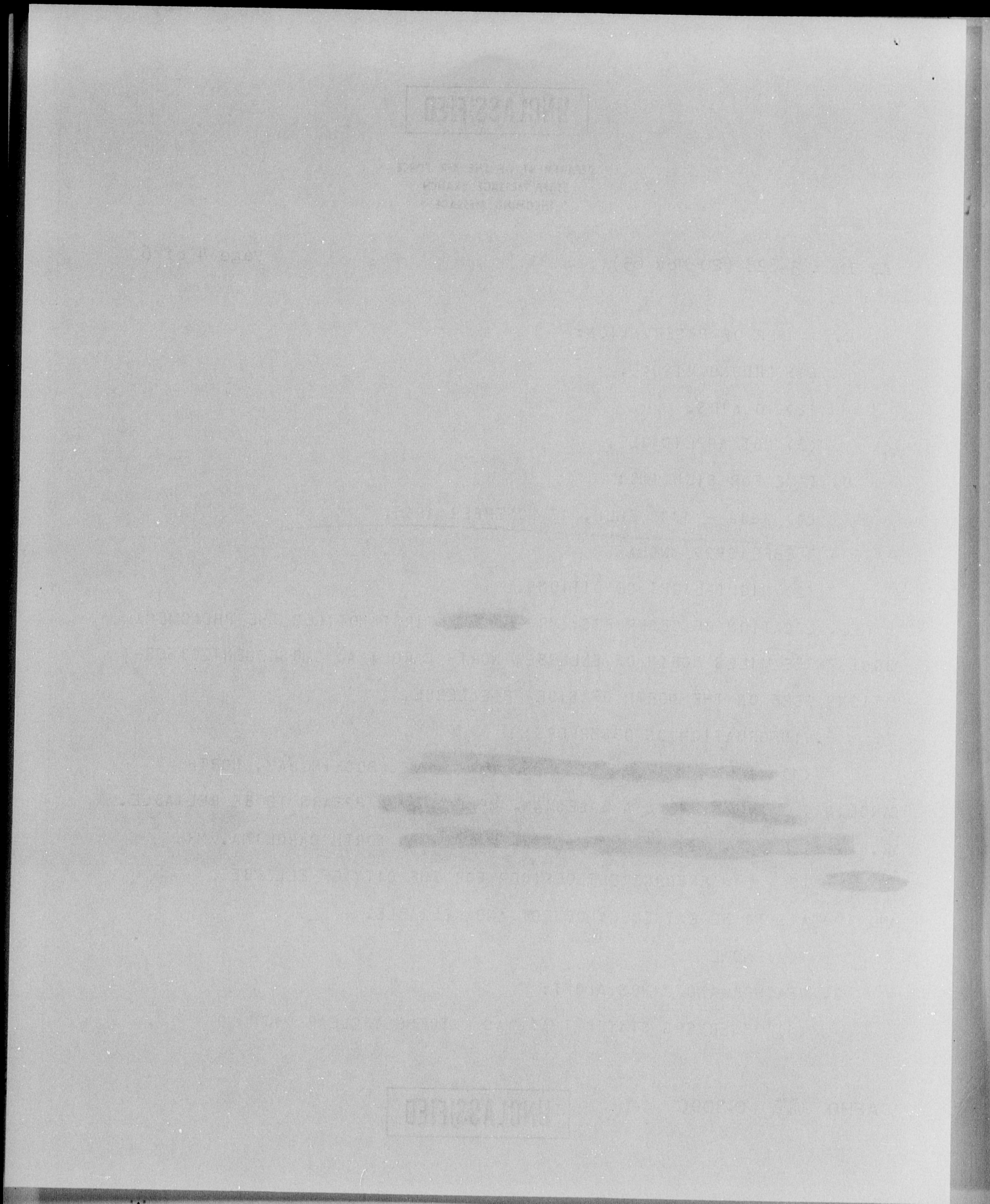
(1) ██████████ ██████████, ROCKINGHAM, NORTH CAROLINA. ██████████ IS A SALESMAN. MR. ██████████ APPEARS TO BE RELIABLE. MR. ██████████ ██████████, NORTH CAROLINA. MR. ██████████ IS A LAW ENFORCEMENT OFFICER FOR THE CITY OF ELLERBE AND APPEARS TO BE EXTREMELY OBJECT AND RELIABLE.

- (2) NONE

G. WEATHER AND WINDS ALOFT:

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

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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.

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ACTION: NIN-7

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

SMB A013PTTU JAW RUEBFEA1000 3232209 UUUU--RUEBHQQA.

ZNR UUUUU

P 192 1272

FM 464TRPCARRWG POPE AFB NC

TO: RUNGAL/ADC

RUMMFVA/9AEROSPDEFDIV ENT AFB COLO

RUCDSQ/AFSC FTD WRIGHT-PATTERSON AFB OHIO

RUEBHQQA/HQ USAF

RUEBHQQA/SECRETARY OF THE AF

INFO RUMTPRA/839ADIV SEWART AFB TENN

RUMTPSA/9AF SHAW AFB SC

RUEBBRA/TAC

BT

UNCLAS D01N 11570 19 NOV 1965. FINAL SECTION OF TWO.

TO	CVS
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THE REASON THAT MR █████ THOUGHT THAT THE FIRST OBJECT MAY HAVE BEEN SOMETHING OTHER THAN A METEORITE WAS THE OBJECT'S APPARENT CHANGE OF COURSE. █████ 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						
STREAM	Date at Maximum	Extreme Limits	Right Ascension H.A. Declination / 950	Vel. in Atmos. km sec-1	Hourly Rate at Maximum	Transit of Padian LOC T. M.N. 500h
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 49m
Aquarids	May 4	10 Days	336 + 0	64	5	7h 36m
Arietids	June 8	May 29- June 18	144 + 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	146 + 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.