JOINT MESSAGEFORM - CONTINUATION SHEET

SECURITY CLASSIFICATION [redacted]

FROM

ATIC WPAFB O

WARNINGS, FOR THE TESTING AT CAPE CANAVERAL. SCP 3

DOWNGRADED AT 12 YEAR INTERVALS; NOT AUTOMATICALLY DECLASSIFIED. DOD DIR 5200.10

SYMBOL	PAGE NR	NR OF PAGES	SECURITY CLASSIFICATION	INITIALS
AFCIN-4E	2	2	[redacted]	rjf

DD FORM 1 MAY 55 173-1

U. S. GOVERNMENT PRINTING OFFICE: 1955-455534

[redacted]

CONF MTW-11-4-2; (2) 19 APRIL , POLARIS SUBMARINE LAUNCH AT 23 DEGREES 15 MINUTES NOTH 80 DEGREES 03 MINU TES WEST TEST NR 1365 REPORTED BY TELETYPE SECRET MTW 26-4-4 AND (3) 27 APRIL JUNO TEST NR 814 REPORTED BY TELETYPE SECRET MTW 27-4-6. ATTEMPTS TO IDNTIFY THE UNKNOWNS BY ADC FIGHTER ENTERCEPTION HAS NOT BEEN SUCCESSFUL DUE TO THE FACT THAT ON 19 APRIL AND 27 APRIL WHEN AN F-102 INTERCEPTORS WAS SC RAMBLED FROM JACKSONVILLE, THE UNKNOWN TARGET DEPARTED FROM THE AREA BEFORE THE ENTERCEPTOR ACCOMPLISHED INTERCEPTION. FOR MISSILE LAUNCHES BETWEEN 1 MAY AND 9 MAY ADC F-101 INTERCEPTORS WERE BA SED AT PATRICK AFB. THREE UNIDENTIFIED PADAR TARGETS WERE OBSERVED AND WERE IN TERCEPTED AS FOLLOWS: THE FIRST INTERCEPT IDENTIFIED A TURBO PROP AIRLINR APPROX 15 MILES WEST OFNORMAL COURSE. THE SECOND SCRA MBLE IDENTIFIED A US NAVY SIERRA-2 FOXTROT FROM THE AIRCRAFT CARRIER LAKE CHAMPLAIN TO PATRICK ON A DVFR FLIGHT PLAN WHICH HAD NOT BEEN APPROPRIATELY DISSEMINATED. THE THIRD INERCEPT WAS ACCOMPLISHED ON A REAGE US NAVEY P2V WHICH WAS NOT AT HIS PRESCRIBED POSITION. PART THREE. THREE THEORIES WERE STUDIED BY HE DCS/INTELL-IGENCE, AFMTC. THEORY 1 - THAT THE U-2 AIRCRAFT OPERATION DOWN RANGE FROM CAPE CANAVERAL MAY BE CAUSING THE UNIDENTIFIED RADAR TARGETS. THEORY 2- THAT RANGE TIMING DIGNALS CAUSED THE OCCURRENCES. THEORY

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1961 MAY 15 19 45

1 - 4C2
2 - 4E1
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Director TDP
AFR 205-1, Par 2-17a
2 Jun 68

SQB 097

ADB173FQB94615?231

PP RJEDSQ

ZDK

PP RJEZFF RJEZHQ RJWFAL RJESKB RJESQ RJWZJB RJEXGL

DE RJEXFQT 90C

P 121535Z

FM AFMTC PATRICK AFB FLA

TO RJEZFF/AFSC ANDREWS AFB MD

RJEZHQ/HQ USAF WASH 25DC

RJWFAL/ADC ENT AFB COLO

RJESKB/32 AIR DIV DOBBINS AFB GA

RJEDSQ/ATIC WPAFB OHIO

RJEZHQ/OSAF WASH DC

INFO RJWZJB/BSD LOS ANGLES CALIF

RJEXGL/APGC EGLIN AFB FLA

BT

[redacted] MTW-12-5-5. SEC NE OF TWO.

AFSC FOR SCF, HQ USAF FOR AFCIN , OSAF FOR SFIS, IN FO BSD FOR DCS/I, INFO APGC FOR DCS/I. SUBJ: FINAL REPORT CON CERNING UNKNOWN RADAR TARGETS ATLANTIC MISSILE RANGE BETWEEN 11 APRIL AND 9 MAY. MESSAGE IN NINE PARTS. PART ONE. REFERENCE IS MADE TO TELETYPES CONF MTW-11-4-2, SECRET MTW-26-4-4, SECRET MTW-27-4-6, SECRET TW-3-5-1, SECRET MTW-5-5-2,AND SECRET SCFA-1-5-3. PART TWO. DURING THE PERIOD 11 AP RIL THROUGH 27 APRIL 3 UNKNOWN RADAR TARGETS WERE DETECTED ON HE AMR WITHIN 50 MILES OF CAPE CANAVERAL. THESE OCCURRED ON (1) 11 APRIL, POLARIS TEST NR 1352 REPORTED BY TELETYPE

[redacted]

3- THAT THE UNIDENTIFIED RADAR TARGETS WERE CAUSED BY UNKNOWN FORGIEN AIRCRAFT OBSERVING M ISSILE LAUNCH OPERATIONS. PART FOUR. A SUMMARY OF NON-AIR-BREATHING MI SSILE LAUNCHES ON THE AMR FROM 11 APRIL THROUGH 9 MAY INDICATI NG RADAR DETECTION AND U-1 POSITION FOLLOWS. 1. 11 APRIL POLARIS TEST NR 1352 UNKNOWN TARGET DETEC TED BY FPS-8 NEGATIVE TARGET DEETECTED BK FPS-20 AND FPS-6. U-2 POSITION 125 DEGRES 260 MILES. 21 19 APRIL POLARIS SUBMARINE LAUNCH TEST NR 1365 UNIDENTIFIED RADAR TARGET APPEARED ON FPS-8, FPS-20,K FPS-6 AND FF-102 INTERCEPTOR. AC&W UNKNOWN TRACK NR 606. U-2 POSITION 114 DEGREES 410 MILES. 3. 25 APRIL MERCURY ATLAS TEST NR 335 NEG-TIVES UNKNOWN TARGETS. U-2 P OSITION 243 DEGREES 150 MILES. 4. 27 APRIL JUNO TST NR 314 UNKNOWN RADAR TARGET ON FPS-8 AND FPS-20. NEGATIVE TARGET ON FPS-6 HEIGHT FINDER . NEGATIVE INTERCEPT BY F-102. AC&W UNKNOWN TRAC K NR 641. U-2 POSITION 098 DEGREES 220 MILES . 5. 1 MAY PO LARIS TEST NR 1356 NEGATIVE UNKNOWN RADAR TARGETS. U-2 POSITION 296 DEGREES 175 MILES. 6. 2 MAY MERCURY REDSTONE CANCELLED LAUNCH TEST NR 108 NEGATIVE UNKNOWN RADAR TARGETS. NGATIVE U-2 FTIGHT. 7. 3 MAY POLARIS SUBMARINE LAUNCH TEST NR 1364NEGATIVE UNKNOWN RADAR TARGETS . NEGATIVE U-2 FLIGHT. 8. 5 MAY MERCURY REDSTON E MANNED FLIGHT TEST NC108 NEGATIVE UNKNOWN TARGES

NEGATIVE U-2 FLIGHT . 9. 8 MAY POLARIS TEST NR 1296 NEGATIVE UNKNOWN RADAR TARGETS. U-2 POSITION 296 DEGREES 175 MILES. 10 9 MAY TS609A LAUNCH TES T NR 405 NEGATIVE UNKNOWN RADAR TARGETS. NEGATIVE U-2. PART FIVE. DISCUSSION OF THEORY 1 - U-2 AIRCRAFT. AT APPROX 1700Z, 9 MAY, A TEST WAS RUN BY AFMTC USING A U-2 AIRCRAFT. THIS AIRCRAFT FLEW OVER CAPE CANAVERAL AT A HEADING OF 120 DEGEES AT APPROX 65,000 FOOD ALTITUDE AND PROCEEDED 250-270 MILES DOWN RANGE. WHEN IT APPROACHED THE 250 MILE POINT, A SIF RETURN APEARED ON THE FPS-8 RADAR SCOPE BUT NOT ONT HE FPS-20. THE P AINT INDICATED A TARGET AT APPROX 50 MILES FROM THE CAPE. AT THIS POINT, THE CONTROLLER AT THE CAPE HAD THE U-2 T URN HIS IFF ON AND OFF. AT EACH INSTANCE THAT THE IFF WAS TURNED OFF THE PAINT DISAPPEARED FROM THE FPS-8 SCOPE. EACH TIME THE U-2 TURNED HIS IFF ON, THE PAINT RETURNED. A CONTINUING COMARISON OF THE U-2 POSITON PLOTTED BY MOD 2 CAPE RADAR AND THE POSITION OF THE IFF REFLECTION ON THE FPS-8 RADAR WERE ATT ALL TIMES APPROX 220 NAUTICAL MILES APART. PART SIX. THEORY 2 - TIMING SIGNALS . CONSIDERABLEANALYSIS AND DISCUSSION

ARE MADE CNCERNING THE POSSIBILITY OF RANGE TIMING SIGNALS CAUSING THE UNKNOWN RADAR ARGETS. THERE APPEARS TO BE NO LOGICAL INDI CATION TO CONFIRM THIS THEORY, IN THAT BOTHMFPS-8 AND FPS-20 RADAR

PAGE FIVE RJEXFQT 90X C

CONFIRMED 2 OF THE 3 UNKNOWN TARGETS, AND DURING 6 LAUNCHES AFTER 27 APRIL NO UNIDENTIFED RADAR TARGETS WERE DETECTED WITH NO CHANGE IN TIMING SIGNALS. PART SEVEN. THEORY 3 - FOREIGN OR UNAUTHORIZED AIRCRAFT. THE THEORY THAT FOREIGN OR UNAUTHORIZED AIRCRAFT WERE PRESENT ON THE RANGE IS STILL CONCLUDED TO BE PROBABLE. DURING 19 APRIL POLARIS TEST NR 1365 THE U-2 WAS AT A POSITION 410 NM FROM CAPE CANAVERAL ON AN AZIMUTH OF 114 DEGREES. THE FPS-8 NOTED THE TARGET. THE FPS-20 NOTED TT,, THE FPS-6 HEIGHT FINDER RECORDED THE TARGET AT 1,000 FEET ALTITUDE AT 2030" AND AT 6,000 FEET AT 2045Z, AND THE F102 INTERCEPTOR PILOT EMPHARICALLY STATES THAT HIS AIR-BORNE RADAR LOCHED ON THE TARGET WHICH WAS LATER LOST, THIS OCCURRENCE WAS DESIGNATED AS TRACK NR 606 BY THE PATRICK AC&W SITE COMMANDERS POSITIVELY TO HAVE BEEN A LIVE AIRCRAT TRACK. DURING THE JUNO LAUNCH TEST NR 814, 27 APRIL THE UA-2 AIRCRAFT WAS DEGREES. THE FPS-20 AND FPS-8 RADAR CONFIRMED THE TRACK OF THIS UNKNOWN WHICH WAS IDENTIFIED BY THE PATRICK AC&W SITE AS AN UNKNOWN TRACK NR 641. THE HEIGHT FINDER FPS-8 DID NOT DETECT THIS UNKNOWN TARGER. PART EIGHT. CONCLUSION OF THE COMMANDER, PATRICK AC&W

BT

12/1540Z MAY RJEXFQT

DOWNGRADED AT 12 YEAR
INTERVALS
DECLASSIFIED AFTER DEC

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DE RJEZFF 28C 1961 JUN 6 22 10

R 061316Z

FM AFSC ANDREWS AFB

TO RJEZHQ/HQ USAF WASH

INFO RJESNO/AFMTC PATRICK AFB FLA

RJEDSQ/ATIC WPAFB OHIO

BT

[redacted] SCFAE 6-S-2

FOR AFCIN 2B3, INFO, NTW, 4E2C. SUBJECT: UNIDENTIFIED AIRCRAFT ON THE ATLANTIC MISSLE RANGE. 11 APRIL UFO HAS BEEN DEFINITELY DETERMINED TO BE AN SIF REPLY FROM U-2 AIRCRAFT. 19 AND 27 APRIL RADAR TARGETS WERE UNIDENTIFIED AIRCRAFT OF UNKNOWN ORIGIN. WE HAVE NO INFORMATION ON POINT OF DEPARTURE OR DESTINATION. SUBSEQUENT TO THESE THREE INCIDENTS, INTERCEPTORS F-101 WERE STATIONED AT PATRICK AFB FOR TWO WEEKS. DURING EACH TEST DURING THAT PERIOD, UNIDENTIFIED RADAR TARGETS WERE INTERCEPTED AND INDENTIFIED AS COMMERICAL AIRLINERS OR US NAVY AIRCRAFT. THERE HAVE BEEN NO UNIDENTIFED TARGETS SINCE

PAGE TWO RJEZFF 28C

27 APRIL. IT IS THERFORE CONCLUDED ON THE BASIS OF EVIDENCE TO DATE THAT UNIDENTIFIED AIRCRAFT HAVE BEEN OPERATING IN THE VICINITY OF CAPE CANAVERAL DURING MISSILE LAUNCHES. THERE IS NO EVIDENCE TO [redacted]

PROVE THA THEY ARE UNFRIENDLY FOREIGN AIRCRAFT AND NO PHOTO OR ELECTRONIC MISSION HAS BEEN DETECTED. IT IS POSSIBLE THAT THE RANGE MAY BE UNDER SURVEILLANCE BY AIRCRAFT BASED ON FOREIGN SOIL; HOWEVER, THIS APPROACH APPEARS TO BE UNLIKELY BECAUSE OF THE ACCESSIBILITY OF THE CAPE TO OTHER MORE EFFECTIVE MEANS OF OBSERVATION. THE RANGE AND ALTITUDES OBSERVED TO DATE RULE OUT THE POSSIBILITY OF THE PRESENCE OF A MACH PLUS, SUPER PERFORMANCE VEHICLE. THIS COMMAND WILL CONTINUE TO EXERCISE STRINGENT SURVEILLANCE OF THE AMR WITH ALL FACILITIES AVAILABLE AND REPORT ANY SIGNIFICANT INCIDENTS OF THIS NATURE. SCP-3

BT

06/1906Z JUN RJEZFF

DOWNGRADED AT 12 YEAR INTERVALS; NOT AUTOMATICALLY DECLASSIFIED. DOD DIR 5200.10

[redacted] SECT II

1 - 4C2
2 - VE1
3 - 4F3
4 - 4X3a

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1961 MAY 13 04 18

SDB063 MDC 753 FQD 919 QTB 21

PP RJEDSQ

ZNK RJESNO

PP RJEZFF RJEZHQ RJWFAL RJESKB RJEDSQ RJWZJB RJEXGL

DE RJEXFQT 91C

P 121535Z

FM AFMTC PATRICK AFB FLA

TO RJEZFF/AFSC ANDREWS AFB MD

RJEZHQ/HQ USAF WASH 25 DC

RJWFAL/ADC ENT AFB COLO

RJESKB/32 AIRDIV DOBBINS AFB GA

RJEDSQ/ATIC WPAFB OHIO

RJEZHQ/OSAF WASH DC

INFO RJWZJB/DSD LOS ANGELES CALIF

RJEXGL/APGC EGLIN AFB FLA

BT

[redacted] MTW-12-5-5. SECTION TWO OF TWO

SITE A.E QUOTED FROM HIS TELETYPE SECRET MTOFC CITE MT-66303 TO 32 AIRDIV DOBBINS AFB GA, INFO: 679 ACW SQ JACKSONVILLE FLA. QUOTE. IT IS BELIEVED THAT THIS PHENOMENA ACCOUNTS FOR SOME OF THE UNKNOWNS SEEN IN THIS AREA AND IS EXPLAINED AS FOLLOWS: THE FPS-8 HAS A 360 PRF AND THEIR IFF (SIF) HAS A 360 PRF. WHEN AN INTERROGATION IS TRANSMITTED, THE SIGNAL CONTINUES TO 220 MILES, AND AT THAT POINT THE RECEIVER BLANKS OUT AND A SECOND PULSE IS TRANSMITTED. MEANWHILE THE FIRST SIGNAL INTERROGATED THE ACFT AT 250 - 270 MILES AND SENT AN SENT A REPLY BACK. THIS WAS RECEIVED WHEN THE RECEIVER WAS [redacted]

SET TO RECEIVE THE SECOND INTERROGATION THAT WAS TRANSMITTED. THIS PHENOMENA WOULD THUS CAUSE AN IFF PAINT AT 50 - 70 MILES FROM THE FPS-8 AND COULD BE CONSIDERED AS A SECOND BANG PHENOMENA. THE REASON THAT OUR FPS-20 DID NOT EXPERIENCE THIS ACTIVITY WAS BECAUSE WE HAVE OUR RADAR AT 360 PRF, BUT OUR IFF AT 180 PRF. THIS ENABLES OUR IFF RECEIVER TO RECOVER AND NOT ACCEPT A SECOND BANG RETURN. THUS, THIS IS ONE OF THE REASONS WHY THE FPS-8 HAD UNKNOWNS AND THE FPS-20 DID NOT. WE HAVE RECOMMENDED TO AFMTC THAT THEY ADJUST THEIR IFF (SIF) TO 180 PRF AND PART OF THE PROBLEM WOULD BE SOLVED. HOWEVER, THIS DOES NOT ANSWER WHY WE PAINTED UNKNOWNS ON BOTH THE FPS-8 AND THE FPS-20 RADARS AS WELL AS THE FPS-6 RADER. THE FPS-6 DOES NOT ACCEPT BEACON RETURNS. FURTHER, WHEN AN F-102 WAS SCRAMBLED FROM JACKSONVILLE ON 27 APR 61, THE PILOT REPORTED TO THE JAX ACW COMMANDER THAT HE HAD A LOCK ON FOR TWO MINUTES ON A TARGET THAT DISAPPEARED FROM HIS SCOPE. IT THUS APPEARS FROM THE SPECULATIVE STANDPOINT THAT WE HAVE TWO PROBLEMS, ONE RESULTING FROM ELECTRONIC PHENOMENA AND THE OTHER AS A RESULT OF ACTUAL UNKNOWNS. ALTHOUGH THE ADC ACTIVITY WAS KEPT QUIET DURING THIS PERIOD, THE MERE PRESENCE OF ACFT WITH ADC MARKINGS COULD CAUSE LACK OF ACTIVITY BY THOSE CAUSING THE UNKNOWNS. IT IS RECOMMENDED THAT

SHOULD A REQUIREMENT BE PLACED ON ADC TO FURNISH SUPPORT IN THE FUTURE, THAT THE ACFT BE POSITIONED AT MCCOY AFB WITH A SCRAMBLE LINE TO THE JAX ACW SQ. PART NINE. CONCLUSIONS OF THE DCS/INTELLIGENCE, AFMTC FOLLOW. IT IS CONCLUDED THAT: 1. TIMING SIGNALS HAVE NOT CAUSED ANY OF THE UNKNOWN RADAR TARGETS. 22. THE IFF BEACON OF THE U-2 CAUSED THE FPS-8 RADAR TARGET ON 11 APRIL DURING POLARIS TEST NR 1352. 3. THE UNIDENTIFIED RADAR TARGET ON 19 APRIL DURING POLARIS SUBMARINE LAUNCH TEST NR 1365 IS CONCLUDED TO HAVE BEEN A LIVE AIRCRAFT TARGET IN THAT FPS-8, FPS-20, FPS-6, AND F-102 RADAR CONFIRMED THE TARGET TND THE U-2 WAS 110 MILES DISTANT, WHICH IS BELIEVED TO MINIMIZE THE PROBABILINFLOF THE TARGET BEING CAUSED BY THE U-2 IFF. 4. THE RADAR TARGET DETECTED ON 27 APRIL DURING JUNO LAUNCH TEST NR 314 COULD POSSIBLEY BE A SO CALLED "SECOND BANG" OF THE U-2 IFF IN THAT THE U-2 WAS 220 MILES DOWNRANGE ON AN AZIMUTH 305 DEGREES AND THE FPS-8 HEIGHT FINDER DID NOT DETECT THE UNKNOWN TARGET. THIS TARGET COULD ALSOSVERY POSSIBLY HAVE BEEN A LIVE AIRCRAFT IN THAT IT WAS DETECTED BY BOTH THE FPS-20 AND THE FPSGAI RADAR AND WAS DESIGNATED AS AC&W TRACK NR 641, AND THE FACT THAT THE UNKNOWN TARGET WAS APPROX 190 MILES FROM THE U-2 INSTEAD OF THE DEMONSTRATED 220 MILES AND THE FACT THAT THE UNKNOWN TARGET

ACCOMPLISHED A SAW TOOTH COURSE BY CHANGING DIRECTION APPROX 10 TIMES DURING A PERIOD OF 35 MINUTES AND FLEW IN A DIRECTION OF WEST, NORTH, NORTHEAST AND NORTHWEST DURING THE 35 MINUTE SOLID TRACK

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3

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE DIVISION
INCOMING MESSAGE

AF IN : 28780 (21 Apr 61) F/scc

ACTION: CIN-14

INFO : OOP-2, OOP-CP-1, SAFS-3 (21)

W

UNCLASSIFIED

Director TDP
H. Quintanilla
09 MAY 1969
AFR 2057, Par 2-17a
2 Jan 68

DE RJEDSQ 7XC
P 212050Z ZEX
FM ATIC WPAFB
TO RJEZHQ/COFS USAF WASH DC
RJEZFF/AFSC ANDREWS AFB MD
BT
[redacted] AFCIN-4E2 C-776.

PART I. FOR AFCIN MAJ GEN WALSH AND FOR RDY MAJ GEN WATSON AT 1457 11 APR 61 AN UNIDENTIFIED FLYING OBJECT WAS SIGHTED ON RADAR IN THE VICINITY OF CAPE CANAVERAL PRIOR TO THE LAUNCHING OF TEST NUMBER 1352, APOLARIS MISSILE, SCHEDULED T TIME 1430Z. THREE EXPERIENCED OBSERVERS WATCHED THE TARGET ON AN FPS-8 RADAR FOR 30 MINUTES AND ESTIMATED ITS SPEED AS RANGING BETWEEN 150 AND 600 KNOTS. THESE OBSERVERS REPORTED THAT THE OBJECT ORBITED 6 OR 7 TIMES ALONG AN AZIMUTH OF 126 DEGREES FROM CAPE CANAVERAL AND BETWEEN 10 AND 55 MILES FROM THE CAPE. THE RANGE OBSERVERS' ESTIMATES OF THE HEIGHT OF THE UFO DID NOT AGREE, REPORTING EITHER THAT THE OBJECT WAS VERY LOW OR VERY HIGH. A RANGE SURVEILLANCE C-54 WAS VECTORED TO WITHIN 2 1/2 MILES OF THE OBJECT BUT REPORTS FROM THE CREW WERE NEGATIVE. THE RANGE C-54 IS EQUIPPED WITH AN APS-42 AND AN APS-59 RADARS BUT UTILIZED ONLY THE APS-42 DURING THIS ATTEMPTED INTERCEPT.

AFHQ FORM NOV 59 0-309a
PREVIOUS EDITIONS OF THIS FORM MAY BE USED.

[redacted]

UNCLASSIFIED

CAPT WALTER FLINT, WHO WAS IN CHARGE OF THE TEST, NOTIFIED THE LOCAL GCI SITE OF THE PRESENCE OF THE UFO, HOWEVER, NO INTERCEPT ACTION WAS ACCOMPLISHED BECAUSE THE GCI FPS-20 RADAR PICKED UP THE UFO ONLY ONCE EACH THREE SWEEPS OVER AN INTERVAL OF 36 SECONDS AND RECEIVED NO TARGET ON THE HEIGHT FINDER.

PART II. ANALYSIS OF THE AVAILABLE DATA LEADS TO THE CONCLUSION THAT THE TARGET WAS REAL. THERE IS NO EVIDENCE IN THE REPORT TO SUGGEST RADAR MALFUNCTION, OR FALSE ECHOS. BECAUSE THE TRACKS WERE APPARENTLY WELL DEFINED AND HAD A DEFINITE PATTERN. IT IS BELIEVED THAT THIS WAS A RELATIVELY SMALL TARGET DUE TO THE FACT THAT IT CONSISTENTLY FADED AT 44 MILES OUTBOUND IN ITS ORBIT AND REAPPEARED AT APPROXIMATELY 44 MILES INBOUND. THERE IS NO LOCICAL REASON FOR THE INABILITY OF THE POWERFUL FPS-20 TO TRACK THE TARGET, UNLESS THIS EQUIPMENT WAS NOT FUNCTIONING PROPERLY AT THIS TIME OR THE TARGET WAS IN A DEAD AREA FOR THE STATION.

PART III. SINCE NO HEIGHT FINDER DATA WAS OBTAINED CERTAIN DEDUCTIONS MUST BE MADE RELATIVE TO THE TARGET HEIGHT. THE MINIMUM REPORTED RANGE OF THE TARGET WAS 10 MILES. SINCE THIS IS SLANT RANGE AND FURTHER SINCE THE MAXIMUM VERTICAL ANGLE COVERAGE OF THE FPS-8 IS 25-30 DEGREE THE MAXIMUM TARGET HEIGHT WOULD BE APPROXIMATELY 30,000 FEET WHICH OBVIOUSLY RULES OUT THE POSSIBILITY OF THE UFO

[redacted]

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE DIVISION
INCOMING MESSAGE

BEING AN EXTREMELY HIGH FLYING TARGET. THE PERIODIC HIGH SPEEDS, AS HIGH AS 600 KNOTS, REPORTED FOR THE TARGET, COUPLED WITH THE FACT THAT THE MTI OF THE FPS-8 WAS NOT OPERATING, FURTHER TENDS TO RULE OUT THE POSSIBILITY OF THE UFO BEING A VERY LOW FLYING TARGET. CONSEQUENTLY, THERE IS NO LOGICAL EXPLANATION FOR WHY THE FPS-20 HEIGHT FINDER WAS UNABLE TO PAINT THE TARGET.

PART IV. CONTACT WITH LT/COL JAMES O. PAYNE, AFMTC, REVEALED THAT NO NAVY OPERATION COULD HAVE BEEN RESPONSIBLE FOR THE SIGHTING AND THAT THERE HAVE BEEN NO SIMILAR INCIDENTS DURING SUBSEQUENT TESTS.

PART V. IT IS CONCLUDED BY ATIC THAT THE OBJECT SIGHTED ON RADAR AT CAPE CANAVERAL ON 11 APR 61 AT 1457Z WAS PROBABLY A REAL TARGET, FLYING AT AN ALTITUDE OF NO MORE THAN 35,000 FEET. NO DEFINITE EXPLANATION OF WHY THIS TARGET DID NOT APPEAR ON THE FPS-20 CAN BE REACHED, BUT INSPECTION OF THE SITE AND THE RADAR MAINTENANCE RECORD WOULD REVEAL IF THIS WAS DUE TO A DEAD AREA OF FAULTY EQUIPMENT. THIS ORGANIZATION CONTINUING EFFORTS TO RESOLVE THE CASE.

BT

UNCLASSIFIED

AFHQ FORM NOV 59 0-309a
PREVIOUS EDITIONS OF THIS FORM MAY BE USED.

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DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE DIVISION
INCOMING MESSAGE

AF IN : 28780 (21 Apr 61) F/scc

ACTION: CIN-14

INFO : OOP-2, OOP-CP-1, SAFS-3 (21)

Director TDP
A. Quintanilla Jr.
AFR 2057, Par 2-17a
2 Jan 68

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AFHQ FORM NOV 59 0-309a
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DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE DIVISION
INCOMING MESSAGE

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[redacted]

[redacted]

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE DIVISION
INCOMING MESSAGE

AF IN : 28780 (21 Apr 61) F/scc

ACTION: CIN-14

INFO : OOP-2, OOP-CP-1, SAFS-3 (21)

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H. Quintanilla Jr.
AFR 2054, Pay 247a
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BT
[redacted] AFCIN-4E2 C-776.

PART I. FOR AFCIN MAJ GEN WALSH AND FOR RDY MAJ GEN WATSON AT 1457 11 APR 61 AN UNIDENTIFIED FLYING OBJECT WAS SIGHTED ON RADAR IN THE VICINITY OF CAPE CANAVERAL PRIOR TO THE LAUNCHING OF TEST NUMBER 1352, APOLARIS MISSILE, SCHEDULED T TIME 1430Z. THREE EXPERIENCED OBSERVERS WATCHED THE TARGET ON AN FPS-8 RADAR FOR 30 MINUTES AND ESTIMATED ITS SPEED AS RANGING BETWEEN 150 AND 600 KNOTS. THESE OBSERVERS REPORTED THAT THE OBJECT ORBITED 6 OR 7 TIMES ALONG AN AZIMUTH OF 126 DEGREES FROM CAPE CANAVERAL AND BETWEEN 10 AND 55 MILES FROM THE CAPE. THE RANGE OBSERVERS' ESTIMATES OF THE HEIGHT OF THE UFO DID NOT AGREE, REPORTING EITHER THAT THE OBJECT WAS VERY LOW OR VERY HIGH. A RANGE SURVEILLANCE C-54 WAS VECTORED TO WITHIN 2 1/2 MILES OF THE OBJECT BUT REPORTS FROM THE CREW WERE NEGATIVE. THE RANGE C-54 IS EQUIPPED WITH AN APS-42 AND AN APS-59 RADARS BUT UTILIZED ONLY THE APS-42 DURING THIS ATTEMPTED INTERCEPT.

AFHQ FORM NOV 59 0-309a
PREVIOUS EDITIONS OF THIS FORM MAY BE USED.

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CAPT WALTER FLINT, WHO WAS IN CHARGE OF THE TEST, NOTIFIED THE LOCAL GCI SITE OF THE PRESENCE OF THE UFO, HOWEVER, NO INTERCEPT ACTION WAS ACCOMPLISHED BECAUSE THE GCI FPS-20 RADAR PICKED UP THE UFO ONLY ONCE EACH THREE SWEEPS OVER AN INTERVAL OF 36 SECONDS AND RECEIVED NO TARGET ON THE HEIGHT FINDER.

PART II. ANALYSIS OF THE AVAILABLE DATA LEADS TO THE CONCLUSION THAT THE TARGET WAS REAL. THERE IS NO EVIDENCE IN THE REPORT TO SUGGEST RADAR MALFUNCTION, OR FALSE ECHOS. BECAUSE THE TRACKS WERE APPARENTLY WELL DEFINED AND HAD A DEFINITE PATTERN. IT IS BELIEVED THAT THIS WAS A RELATIVELY SMALL TARGET DUE TO THE FACT THAT IT CONSISTENTLY FADED AT 44 MILES OUTBOUND IN ITS ORBIT AND REAPPEARED AT APPROXIMATELY 44 MILES INBOUND. THERE IS NO LOCICAL REASON FOR THE INABILITY OF THE POWERFUL FPS-20 TO TRACK THE TARGET, UNLESS THIS EQUIPMENT WAS NOT FUNCTIONING PROPERLY AT THIS TIME OR THE TARGET WAS IN A DEAD AREA FOR THE STATION.

PART III. SINCE NO HEIGHT FINDER DATA WAS OBTAINED CERTAIN DEDUCTIONS MUST BE MADE RELATIVE TO THE TARGET HEIGHT. THE MINIMUM REPORTED RANGE OF THE TARGET WAS 10 MILES. SINCE THIS IS SLANT RANGE AND FURTHER SINCE THE MAXIMUM VERTICAL ANGLE COVERAGE OF THE FPS-8 IS 25-30 DEGREE THE MAXIMUM TARGET HEIGHT WOULD BE APPROXIMATELY 30,000 FEET WHICH OBVIOUSLY RULES OUT THE POSSIBILITY OF THE UFO

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BEING AN EXTREMELY HIGH FLYING TARGET. THE PERIODIC HIGH SPEEDS, AS HIGH AS 600 KNOTS, REPORTED FOR THE TARGET, COUPLED WITH THE FACT THAT THE MTI OF THE FPS-8 WAS NOT OPERATING, FURTHER TENDS TO RULE OUT THE POSSIBILITY OF THE UFO BEING A VERY LOW FLYING TARGET. CONSEQUENTLY, THERE IS NO LOGICAL EXPLANATION FOR WHY THE FPS-20 HEIGHT FINDER WAS UNABLE TO PAINT THE TARGET.

PART IV. CONTACT WITH LT/COL JAMES O. PAYNE, AFMTC, REVEALED THAT NO NAVY OPERATION COULD HAVE BEEN RESPONSIBLE FOR THE SIGHTING AND THAT THERE HAVE BEEN NO SIMILAR INCIDENTS DURING SUBSEQUENT TESTS.

PART V. IT IS CONCLUDED BY ATIC THAT THE OBJECT SIGHTED ON RADAR AT CAPE CANAVERAL ON 11 APR 61 AT 1457Z WAS PROBABLY A REAL TARGET, FLYING AT AN ALTITUDE OF NO MORE THAN 35,000 FEET. NO DEFINITE EXPLANATION OF WHY THIS TARGET DID NOT APPEAR ON THE FPS-20 CAN BE REACHED, BUT INSPECTION OF THE SITE AND THE RADAR MAINTENANCE RECORD WOULD REVEAL IF THIS WAS DUE TO A DEAD AREA OF FAULTY EQUIPMENT. THIS ORGANIZATION CONTINUING EFFORTS TO RESOLVE THE CASE.

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