

PROJECT 10073 RECORD CARD

1. DATE 11 Apr 61		2. LOCATION Cape Canaveral, Florida		12. CONCLUSIONS ☐ Was Balloon ☐ Probably Balloon ☐ Possibly Balloon	
3. DATE-TIME GROUP Local 0957 GMT 11/1457Z Apr 61		4. TYPE OF OBSERVATION ☐ Ground-Visual ☒ Ground-Radar ☐ Air-Visual ☐ Air-Intercept Radar		☐ Was Aircraft ☒ Probably Aircraft ☐ Possibly Aircraft	
5. PHOTOS ☐ Yes ☒ No		6. SOURCE Military		☐ Was Astronomical ☐ Probably Astronomical ☐ Possibly Astronomical	
7. LENGTH OF OBSERVATION 30 min		8. NUMBER OF OBJECTS one		9. COURSE varied.	
10. BRIEF SUMMARY OF SIGHTING Object picked up on radar. No visual contact. Estimated speeds of from 150 to 600 knots. Object orbited 6 or 7 times along an azimuth of 126 degrees and between 10 and 55 miles from the cape.		11. COMMENTS Subsequent tests by base in question revealed that the radar return signals were from the SIF equipment aboard a U-2 type aircraft.			

UFO was observed on radar, Cape Canaveral, 1457Z, 11 April 61. It was observed for at least 30 minutes. Object appeared to orbit in an orbit which extended from 10 miles from the Cape to a position approximately 55 miles from Cape Canaveral and the orbit was at all times on an azimuth of 125° to 127° SE of Cape Canaveral. According to radar reports the object disappeared when it got 44 miles away from Cape Canaveral appearing on radar and disappearing at the farthest end 6 or 7 miles. Made 6 or 7 long orbits. The object finally disappeared approximately 1530Z in the direction about 125° away from Cape Canaveral.

Radar Operator on an APS-8 radar. He could paint the object very well. The paint size of the object was approximately the same size of a C54 aircraft with no transponder operating. This radar was SA-10 tracking (S-10048) was good. Atmospheric conditions were normal. There was no detection of this object on any height finder equipment. Experts opinions differ as to whether this UFO was extremely high or extremely low.

The weather was -- high _____, overcast, visibility 10 miles, wind ENE at 10 knots on the surface. No temperature inversion.

FPS-8 track of UFO remained in that target disappeared
for a few seconds occasionally.

By 125° from C.C.

Flight path is shape of long narrow orbit between
10 mi. and 20 mi. from C.C. dir. 125° to 127° .

6017 125°

It is that UFO remained in known position
or in a loop in left circle of orbit
as recorded in this.

401 FRE-20 justifying UFO and each 3 or 4
or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29 or 30 or 31 or 32 or 33 or 34 or 35 or 36 or 37 or 38 or 39 or 40 or 41 or 42 or 43 or 44 or 45 or 46 or 47 or 48 or 49 or 50 or 51 or 52 or 53 or 54 or 55 or 56 or 57 or 58 or 59 or 60 or 61 or 62 or 63 or 64 or 65 or 66 or 67 or 68 or 69 or 70 or 71 or 72 or 73 or 74 or 75 or 76 or 77 or 78 or 79 or 80 or 81 or 82 or 83 or 84 or 85 or 86 or 87 or 88 or 89 or 90 or 91 or 92 or 93 or 94 or 95 or 96 or 97 or 98 or 99 or 100 or 101 or 102 or 103 or 104 or 105 or 106 or 107 or 108 or 109 or 110 or 111 or 112 or 113 or 114 or 115 or 116 or 117 or 118 or 119 or 120 or 121 or 122 or 123 or 124 or 125 or 126 or 127 or 128 or 129 or 130 or 131 or 132 or 133 or 134 or 135 or 136 or 137 or 138 or 139 or 140 or 141 or 142 or 143 or 144 or 145 or 146 or 147 or 148 or 149 or 150 or 151 or 152 or 153 or 154 or 155 or 156 or 157 or 158 or 159 or 160 or 161 or 162 or 163 or 164 or 165 or 166 or 167 or 168 or 169 or 170 or 171 or 172 or 173 or 174 or 175 or 176 or 177 or 178 or 179 or 180 or 181 or 182 or 183 or 184 or 185 or 186 or 187 or 188 or 189 or 190 or 191 or 192 or 193 or 194 or 195 or 196 or 197 or 198 or 199 or 200 or 201 or 202 or 203 or 204 or 205 or 206 or 207 or 208 or 209 or 210 or 211 or 212 or 213 or 214 or 215 or 216 or 217 or 218 or 219 or 220 or 221 or 222 or 223 or 224 or 225 or 226 or 227 or 228 or 229 or 230 or 231 or 232 or 233 or 234 or 235 or 236 or 237 or 238 or 239 or 240 or 241 or 242 or 243 or 244 or 245 or 246 or 247 or 248 or 249 or 250 or 251 or 252 or 253 or 254 or 255 or 256 or 257 or 258 or 259 or 260 or 261 or 262 or 263 or 264 or 265 or 266 or 267 or 268 or 269 or 270 or 271 or 272 or 273 or 274 or 275 or 276 or 277 or 278 or 279 or 280 or 281 or 282 or 283 or 284 or 285 or 286 or 287 or 288 or 289 or 290 or 291 or 292 or 293 or 294 or 295 or 296 or 297 or 298 or 299 or 300 or 301 or 302 or 303 or 304 or 305 or 306 or 307 or 308 or 309 or 310 or 311 or 312 or 313 or 314 or 315 or 316 or 317 or 318 or 319 or 320 or 321 or 322 or 323 or 324 or 325 or 326 or 327 or 328 or 329 or 330 or 331 or 332 or 333 or 334 or 335 or 336 or 337 or 338 or 339 or 340 or 341 or 342 or 343 or 344 or 345 or 346 or 347 or 348 or 349 or 350 or 351 or 352 or 353 or 354 or 355 or 356 or 357 or 358 or 359 or 360 or 361 or 362 or 363 or 364 or 365 or 366 or 367 or 368 or 369 or 370 or 371 or 372 or 373 or 374 or 375 or 376 or 377 or 378 or 379 or 380 or 381 or 382 or 383 or 384 or 385 or 386 or 387 or 388 or 389 or 390 or 391 or 392 or 393 or 394 or 395 or 396 or 397 or 398 or 399 or 400 or 401 or 402 or 403 or 404 or 405 or 406 or 407 or 408 or 409 or 410 or 411 or 412 or 413 or 414 or 415 or 416 or 417 or 418 or 419 or 420 or 421 or 422 or 423 or 424 or 425 or 426 or 427 or 428 or 429 or 430 or 431 or 432 or 433 or 434 or 435 or 436 or 437 or 438 or 439 or 440 or 441 or 442 or 443 or 444 or 445 or 446 or 447 or 448 or 449 or 450 or 451 or 452 or 453 or 454 or 455 or 456 or 457 or 458 or 459 or 460 or 461 or 462 or 463 or 464 or 465 or 466 or 467 or 468 or 469 or 470 or 471 or 472 or 473 or 474 or 475 or 476 or 477 or 478 or 479 or 480 or 481 or 482 or 483 or 484 or 485 or 486 or 487 or 488 or 489 or 490 or 491 or 492 or 493 or 494 or 495 or 496 or 497 or 498 or 499 or 500 or 501 or 502 or 503 or 504 or 505 or 506 or 507 or 508 or 509 or 510 or 511 or 512 or 513 or 514 or 515 or 516 or 517 or 518 or 519 or 520 or 521 or 522 or 523 or 524 or 525 or 526 or 527 or 528 or 529 or 530 or 531 or 532 or 533 or 534 or 535 or 536 or 537 or 538 or 539 or 540 or 541 or 542 or 543 or 544 or 545 or 546 or 547 or 548 or 549 or 550 or 551 or 552 or 553 or 554 or 555 or 556 or 557 or 558 or 559 or 560 or 561 or 562 or 563 or 564 or 565 or 566 or 567 or 568 or 569 or 570 or 571 or 572 or 573 or 574 or 575 or 576 or 577 or 578 or 579 or 580 or 581 or 582 or 583 or 584 or 585 or 586 or 587 or 588 or 589 or 590 or 591 or 592 or 593 or 594 or 595 or 596 or 597 or 598 or 599 or 600 or 601 or 602 or 603 or 604 or 605 or 606 or 607 or 608 or 609 or 610 or 611 or 612 or 613 or 614 or 615 or 616 or 617 or 618 or 619 or 620 or 621 or 622 or 623 or 624 or 625 or 626 or 627 or 628 or 629 or 630 or 631 or 632 or 633 or 634 or 635 or 636 or 637 or 638 or 639 or 640 or 641 or 642 or 643 or 644 or 645 or 646 or 647 or 648 or 649 or 650 or 651 or 652 or 653 or 654 or 655 or 656 or 657 or 658 or 659 or 660 or 661 or 662 or 663 or 664 or 665 or 666 or 667 or 668 or 669 or 670 or 671 or 672 or 673 or 674 or 675 or 676 or 677 or 678 or 679 or 680 or 681 or 682 or 683 or 684 or 685 or 686 or 687 or 688 or 689 or 690 or 691 or 692 or 693 or 694 or 695 or 696 or 697 or 698 or 699 or 700 or 701 or 702 or 703 or 704 or 705 or 706 or 707 or 708 or 709 or 710 or 711 or 712 or 713 or 714 or 715 or 716 or 717 or 718 or 719 or 720 or 721 or 722 or 723 or 724 or 725 or 726 or 727 or 728 or 729 or 730 or 731 or 732 or 733 or 734 or 735 or 736 or 737 or 738 or 739 or 740 or 741 or 742 or 743 or 744 or 745 or 746 or 747 or 748 or 749 or 750 or 751 or 752 or 753 or 754 or 755 or 756 or 757 or 758 or 759 or 760 or 761 or 762 or 763 or 764 or 765 or 766 or 767 or 768 or 769 or 770 or 771 or 772 or 773 or 774 or 775 or 776 or 777 or 778 or 779 or 780 or 781 or 782 or 783 or 784 or 785 or 786 or 787 or 788 or 789 or 790 or 791 or 792 or 793 or 794 or 795 or 796 or 797 or 798 or 799 or 800 or 801 or 802 or 803 or 804 or 805 or 806 or 807 or 808 or 809 or 810 or 811 or 812 or 813 or 814 or 815 or 816 or 817 or 818 or 819 or 820 or 821 or 822 or 823 or 824 or 825 or 826 or 827 or 828 or 829 or 830 or 831 or 832 or 833 or 834 or 835 or 836 or 837 or 838 or 839 or 840 or 841 or 842 or 843 or 844 or 845 or 846 or 847 or 848 or 849 or 850 or 851 or 852 or 853 or 854 or 855 or 856 or 857 or 858 or 859 or 860 or 861 or 862 or 863 or 864 or 865 or 866 or 867 or 868 or 869 or 870 or 871 or 872 or 873 or 874 or 875 or 876 or 877 or 878 or 879 or 880 or 881 or 882 or 883 or 884 or 885 or 886 or 887 or 888 or 889 or 890 or 891 or 892 or 893 or 894 or 895 or 896 or 897 or 898 or 899 or 900 or 901 or 902 or 903 or 904 or 905 or 906 or 907 or 908 or 909 or 910 or 911 or 912 or 913 or 914 or 915 or 916 or 917 or 918 or 919 or 920 or 921 or 922 or 923 or 924 or 925 or 926 or 927 or 928 or 929 or 930 or 931 or 932 or 933 or 934 or 935 or 936 or 937 or 938 or 939 or 940 or 941 or 942 or 943 or 944 or 945 or 946 or 947 or 948 or 949 or 950 or 951 or 952 or 953 or 954 or 955 or 956 or 957 or 958 or 959 or 960 or 961 or 962 or 963 or 964 or 965 or 966 or 967 or 968 or 969 or 970 or 971 or 972 or 973 or 974 or 975 or 976 or 977 or 978 or 979 or 980 or 981 or 982 or 983 or 984 or 985 or 986 or 987 or 988 or 989 or 990 or 991 or 992 or 993 or 994 or 995 or 996 or 997 or 998 or 999 or 1000

ALTITUDE BECAUSE OF SCOPE INDICATIONS SOME RADAR OBSERVERS BELIEVE
UFO WAS VERY LOW NAMELY 210 FT. ALTITUDE. OTHERS BELIEVE UFO WAS AT
VERY HIGH ALTITUDE NAMELY MUCH HIGHER THAN NORMAL JET AIRCRAFT. ONE
OBSERVER STATED THE ACTION OF THE UFO INDICATED A CURRENT KNOWLEDGE
OF THE MISSILE LAUNCH COUNTDOWN IN THAT THE UFO WOULD RETIRE BEYOND
THE RANGE OF THE RADAR SCOPE DURING THE PERIODS OF HOLD AND WOULD
RETURN WHEN THE COUNT WAS RESUMED. RADAR OBSERVERS STATE THE UFO
REMAINED IN A HOVERING POSITION OR IN AN EXTREMELY TIGHT CIRCLE FOR
SEVERAL SECONDS PERIODICALLY. AT OTHER TIMES THE UFO SPEED WAS
APPROX THAT OF A C-54 AIRCRAFT WHICH WAS BEING TRACKED ON THE
SAME SCREEN AND AT OTHER TIMES THE UFO SPEED WAS SIMILAR TO THAT OF

PAGE FIVE RJEXFQT 59C

THE CF-100, APPROXIMATELY 400 KNOTS WHICH WAS BEING TRACKED ON THE
SAME RADAR SCREEN AND UPON FINAL DEPARTURE OF THE UFO IT ATTAINED
A SPEED ESTIMATED BY THE RADAR OBSERVER TO BE 600 MPH. THE POLARIS
LAUNCH AZIMUTH WAS 116 DEGREES WHICH COINCIDES VERY NEAR TO THE
AZIMUTH OF THE UFO ORBI NAMELY 125SDEGREES. IT IS THE CONSIDERED
OPINION OF THE REPORTING OFFICER THAT THIS UFO WAS AN ENEMY
AIRCRAFT OF THE U-2 TYPE WHICH WAS OBSERVING POLARIS TEST OPERATIONS
WITH A CONTINUING KNOWLEDGE OF THE MISSILE LAUNCH STATUS.

INVESTIGATION CONCLUDED. L. NEGATIVE.

BT

12/0010Z APR RJEXFQT



EMPLOYEE, CAPE CANAVERAL, FLORIDA, FPS-3 RADAR OPERATOR. RELIABILITY
SUPERIOR. E. [REDACTED] (ADULT) PAA, CAPE CANAVERAL, FLA,
ASSISTANT FPS-3 RADAR OPERATOR. RELIABILITY SUPERIOR (2) A. FLIGHT
LIEUTENANT SKINNER, ROYAL CANADIAN AIR FORCE, TEMPORARY DUTY AT
PATRICK AFB, ASSISTED RADAR OPERATORS IN VECTORINGSOF-100
CANADIAN AIRCRAFT DURING TESTS. RELIABILITY EXCELLENT. B. CAPT.
GORDON E. STANTON, AFMTC PILOT OF C-54 RANGE SURVEILLANCE AIRCRAFT.
RELIABILITY SUPERIOR. G (1) CLEAR SKY, HIGH CIRRUS, VISIBILITY
20 MILES, LIGHT HAZE AT 8,000 FT IN THE AREA WHERE THE UFO WAS
TRACKED BY RADAR. (2) AND (7) PAA WEATHER STATION CAPE CANAVERAL
FLA REPORT FOR 1150Z. SURFACE 030/9, 19C; 6000 274/1715C; 10000
275/24 3C; 16000 269/28 - 7C; 20000 282/44-14C; 30000 270/79-33C;
50000 279/73-67C; 80000 MISSING-54C (3), (4), (5), & (6) CAPE
CANAVERAL WEATHER 0958E HIGH THIN OVERCAST, VISIBILITY 10, TEMPERA-
TURE 72 DEGREES F, WIND E NE 10 KNOTS NEGATIVE THUNDERSTORMS.
H. NEGATIVE UNUSUAL CONDITION I. NEGATIVE INTERCEPTION ACTION

PAGE FOUR RJEXFQT 59C

BECAUSE GCI APS-20 RADAR PICKED UP UFO ONCE EACH THREE SWEEPS OVER
AN INTERVAL OF ³⁶ SECONDS AND RECEIVED NO TARGET ON THE HIGH FINDER.
J. NEGATIVE (1. DCS/INTELLIGENCE, AFMTC, RADAR IDENTIFICATION OF
UFO DEEMED ACCURATE AND DEPENDABLE. RADAR AND RADAR OPERATORS
HIGHLY DEPENDABLE WITH FREQUENT RADAR OPERATION. AFMTC RANGE
SURVEILLANCE C-54 AAS VECTORED BY RADAR TO WITHIN 2 AND ONE HALF MILES
OF UFO POSITION WITH UFO DIRECTLY IN FRONT OF C-54 AIRCRAFT. CAPT.
STANTON AND CREW HIGHLY SKILLED, OBSERVED CAREFULLY AND STATED NOTHING
WAS OBSERVED. EXPERT RADAR OBSERVERS DIFFER IN OPINION OF UFO

B (1) UFO FIRST APPEARED AT 1457Z, 11 APRIL 61, ON THE FPS-8 RADAR SCOPE DURING RANGE CLEARANCE PROCEDURES PRIOR TO THE LAUNCHING OF TEST NUMBER 1352, A POLARIS MISSILE, SCHEDULED T TIME 1430Z WITH ACTUAL LAUNCH AT 1552 AND 51 SECONDS Z. THE PURPOSE OF THIS RADAR OBSERVATION IS TO DETERMINE ALL AIRCRAFT AND SHIPS WHICH MAY BE IN DANGER BY THE LAUNCH OF A MISSILE. (2) ELEVATION UNKNOWN, AZIMUTH 125 DEGREES FROM CAPE CANAVERAL. (3) ELEVATION UNKNOWN, AZIMUTH 125 DEGREES FROM CAPE CANAVERAL. (4) UFO FLIGHT PATH IN THE SHAPE OF LONG NARROW ORBIT. ORBIT EXTENDED BETWEEN JQP MILES FROM THE CAPE TO ESTIMATED 55 MILES FROM THE CAPE ALONG THE AZIMUTH OF BETWEEN 125 TO 127 DEGREES. UFO FADED FROM RADAR SCOPE AT RANGE 44 MILES THEN REAPPEARED AFTER A FEW SECONDS ON THE INBOUND COURSE OF THE ORBIT AT RANGE 44 MILES. UFO ACCOMPLISHED 6 OR 7 ORBITS BETWEEN 10 MILES AND THE FADE OUT RANGE OF 44 MILES. (5) OBJECT RETREATED WHEN THE AFMTC RANGE SURVEILLANCE C-54 AIRCRAFT WAS VECTORED BY RADAR TO WITHIN 2 AND ONE HALF MILES OF THE UFO. UFO COMMENCED DEPARTURE AT A SPEED APPROX THAT OF THE C-54 AIRCRAFT NAMELY 150 KNOTS AND DISAPPEARED FROM THE RADAR SCOPE AT RANGE 44 MILES AT 600 MPH ESTIMATED SPEED ALONG THE 127 DEGREE AZIMUTH FROM CAPE CANAVERAL. (6) MORE THAN 30 MINUTES. K (1) GROUND ELECTRONICS, FPS-8 RADAR

PAGE THREE RJEXFQT 59K

USING THE NORMAL RECIVER, NOT THE MOVING TARGET RECIVER. (2) NEGATIVE (3) N/A D (1) 1457Z, 11 APRIL 61. (2) DAY E. FPS-8 RADAR SITE, SOUTH END CAPE CANAVERAL MISSILE TEST ANNEX, PATRICK AFB, FLA. F (1) [REDACTED] (ADULT) PAN AMERICAN AIRWAYS (PAA)

ATIC

SQBO27X

ADA 627FQB774QTB445

PPRJEDSQ R

DE RJEXFOT 59C

P 112320Z

FM AFMTC PATRICK AFB FLA

TO RJWFAL/ADC ENT AFB COLO

RJESKB/32 AIRDIV DOBBINS AFB GA

RJEDSQ/ATIC WPAFB OHIO

RJEZHQ/HQ USAF WASH DC

RJEZHQ/OSAF WASH DC

BT

MTW-11-4-2.

FOR HQ USAF (AFCIN) FOR USAF (SAFIS). UFO. A(1) RADAR RETURN
SIMILAR TO A SKIN PAINT OF A C-54 OR SMALLER AIRCRAFT. (2) RADAR
RETURN OF SIEE COMPARABLE TO A SKIN PAINT OF C-54 WITHOUT TRANS-
PONDER. (3) N/A (4) ONE (5) N/A (6) RADAR OBSERVATION ONLY.
FPS-8 RADAR AT CAPE CANAVERAL, FLORIDA OBSERVED UFO WITH VERY GOOD
PAINT, SKIN TRACK RETURN SIZE OF C-54 AIRCRAFT, RADAR SENSITIVITY
GOOD, GROUND CLUTTER NORMAL, ATMOSPHERIC CONDITIONS CONSIDERED
NORMAL. UFO TRACK WAS UNUSUAL IN THAT TARGET DISAPPEARED FOR A FEW
SECONDS OCCASIONALLY. (7) NOT OBSERVED (8) NEGATIVE (9) NEGATIVE

CONFIDENTIAL

AEROSPACE TECHNICAL INTELLIGENCE CENTER
UNITED STATES AIR FORCE
WRIGHT-PATTERSON AIR FORCE BASE
OHIO

REPLY TO
ATTN OF: AFCIN-4E/Maj Friend/vw/69216

SUBJECT: Request for Analysis of UFO Report

13 April 1961

TO: AFCIN-4E1

Request your analysis and comments of the attached UFO report.

Per [Signature]
[Signature] USAF

PHILIP G. EVANS
Colonel, USAF
AFCIN-4E

1 Atch

Inc TWX, MTW-11-4-2, ~~61-11730~~

When included with 1
memo
uncl

CONFIDENTIAL

~~TGL-11730-A~~

4E official file

JOINT MESSAGEFORM				SECURITY CLASSIFICATION	
SPACE BELOW RESERVED FOR COMMUNICATION CENTER					
14 APR 61 20 30z					
Director TDA 2412					
PRECEDENCE		TYPE MSG (Check)		ACCOUNTING SYMBOL	ORIG. OR REFERS TO
ACTION <i>Priority up</i>		BOOK	MULTI	SINGLE	
INFO			X		AF X
FROM: ATIC WPAFB OHIO					SPECIAL INSTRUCTIONS <i>HR</i> ENCODED Initials <i>HR</i> Time <i>1508</i> Checked By <i>HR</i>
TO: COFS USAF WASH DC <i>RTEZHR</i>					
AFSC ANDREWS AFB MD <i>RTEZFF</i>					
[REDACTED] FROM AFCIN-4E2 <i>C-724</i>					
FOR AFCIN Maj Gen Walsh and For RDY Maj Gen Watson.					
At 1457 Z, 11 April 61 an unidentified flying object was sighted on radar in the vicinity of Cape Canaveral. Three experienced observers watched the target on an FPS-8 radar for 30 minutes and estimated its speed as ranging between 150 and 600K. These observers reported that the object orbited 6 or 7 times along an azimuth of 126 degrees from Cape Canaveral and distances of 10 to 55 miles. The radar observers' estimates of the height of the UFO did not agree, some reporting the object as very low and others that it was extremely high. A range surveillance C-54 was vectored to within 2-1/2 miles of the object but reports from the crew were negative. No other intercept action was accomplished because GCI <i>HR</i> FPS-20 radar picked up the UFO only					
SYMBOL		SIGNATURE		DATE	TIME
AFCIN-4E2		<i>Philip G. Evans</i>		14	1600
TYPED NAME AND TITLE (Signature, if required)		TYPED (or stamped) NAME AND TITLE		MONTH	YEAR
Maj Friend <i>Robert J. Friend</i>		PHILIP G. EVANS Colonel, USAF Deputy for Science & Components		Apr	61
PHONE 69216		PAGE 1		NR. OF 2	
SECURITY CLASSIFICATION		PAGES			

JOINT MESSAGEFORM - CONTINUATION SHEET

SECURITY CLASSIFICATION [REDACTED]

FROM:

ATIC WPAFB OHIO

once each three sweeps over an interval of 36 seconds and received no target on the height finder. ATIC is currently collecting data on this incident and will follow with a report of our findings.

SYMBOL

AFCIN-4E2

PAGE
NR 2NR OF
PAGES
2

SECURITY CLASSIFICATION [REDACTED]

INITIALS
RJFDD FORM 173-1
MAY 55

* U. S. GOVERNMENT PRINTING OFFICE: 1953 - 469084

101 APR 19 21 52

RA167

CZCSQF978ZCVYC922

RR RJEDSQ

DE RJESNO 58

ZNR

R 142000Z

FM AFMTC PATRICK AFB FLA

TO ATIC WRIGHT PATTERSON AFB OHIO

BT

UNCLAS MTW -14-4-3.

REFERENCE CONFIDENTIAL MTW-11-4-2 UFO . ADDITIONAL INFORMATION.
C-54 RANGE WURVEILLANCE AIRCRAFT EQUIPPED WITH APS -42 RADAR AND
APN-59. APN-59 NEGATIVE OPERATION. APS -42 RADAR WAS OPERATING
PERFORMANCE NOT CONSIDERED OPTIMUM, PICKING UP SURFACE SHIPS
ADEQUATELY. NEGATIVE INDICATION ON APS-42 RADAR OF UFO OR ANY
OTHER AIRCRAFT. REPEAT APS-42 NEGATIVE OF UFO.

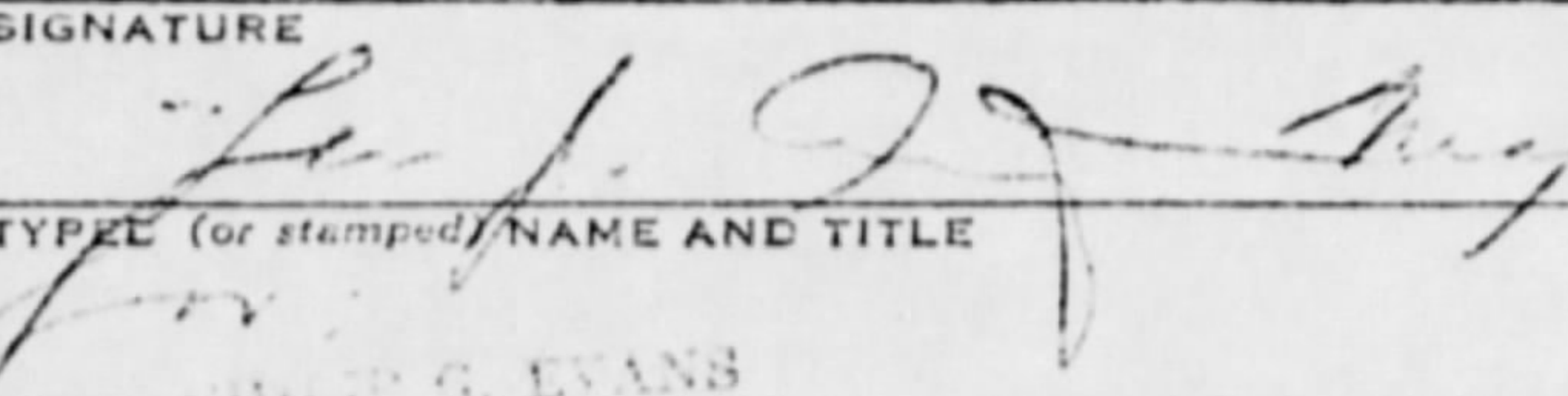
BT

14/2008Z APR RJESNO

4E2
1-7-98
34+2A

1961 APR 17 12 49

ADDITIONAL SERVICES

JOINT MESSAGEFORM				SECURITY CLASSIFICATION	
SPACE BELOW RESERVED FOR COMMUNICATION CENTER					
21 APR 61 21 01Z				ENCODED Initials <u>SF</u> Time <u>21/21/22Z</u> Checked By <u>SE</u>	
PRECEDENCE		TYPE MSG (Check)		ACCOUNTING SYMBOL	
ACTION <u>PRIORITY</u>		BOOK ☐ MULTI ☐ SINGLE ☐		ORIG. OR REFERS TO	
INFO				CLASSIFICATION OF REFERENCE	
FROM: <u>ATIC WPAFB OHIO</u> TO: <u>COFS USAF WASH DC</u> <u>AFSC ANDREWS AFB MD</u> <u>AFCIN-4E2</u> C-776				SPECIAL INSTRUCTIONS Director TDR	
PART 1. 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, A POLARIS 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 2½ 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.					
				DATE <u>21</u> TIME <u>1550</u> MONTH <u>April</u> YEAR <u>61</u>	
SYMBOL <u>AFCIN-4E2</u> TYPED NAME AND TITLE (Signature, if required) <u>Major Robert Friend</u> PHONE <u>69216</u> PAGE NR. <u>1</u> NR. OF PAGES <u>3</u> SECURITY CLASSIFICATION		SIGNATURE  TYPED (or stamped) NAME AND TITLE <u>JOHN G. EVANS</u> <u>Chief of Staff</u> <u>AFSC Science & Components</u>			

JOINT MESSAGEFORM - CONTINUATION SHEET

SECURITY CLASSIFICATION

FROM:

ATTIC WPAFB OHIO

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 ¹³ ~~OF~~ 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 TC} ~~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 LOGICAL 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° THE MAXIMUM TARGET HEIGHT WOULD BE APPROXIMATELY 30,000 FEET WHICH OBVIOUSLY RULES OUT THE POSSIBILITY OF THE UFO 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

SYNOPSIS

AFCIN-4E2

PAGE
NR

2

NR OF
PAGES

5

SECURITY CLASSIFICATION

INITIALS

DD FORM 173-1

U. S. GOVERNMENT PRINTING OFFICE: 1955-408846

JOINT MESSAGEFORM - CON UATION SHEET

SECURITY CLASSIFICATION

FROM:

ATIC WPAFB OHIO

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 OR FAULTY EQUIPMENT. THIS ORGANIZATION CONTINUING EFFORTS TO RESOLVE THE CASE TJC

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SYMBOL	PAGE NR	NR OF PAGES	SECURITY CLASSIFICATION	INITIALS
AFCIN-4E2	3	3		

DD FORM 1 MAY 55 173-1

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TW-12947

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342

4E (UFO)

1/23 44x2A

Figure 1

Director I.D.

AFR 2054, Pm 247a
2 Jan 68

3 MAY 61 17 30z
PRIORITY

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2 74E
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4 4x2A

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DECLASSIFIED. E.O. 12812-2

JOINT MESSAGEFORM

SECURITY CLASSIFICATION

SPACE BELOW RESERVED FOR COMMUNICATION CENTER

5 MAY 61 16 20z

ENCODED

Initials *SZ*
Time *05/1700Z*
Checked By *SZ**17c*

PRECEDENCE		TYPE MSG (Check)			ACCOUNTING SYMBOL	ORIG. OR REFERS TO	CLASSIFICATION OF REFERENCE
ACTION	PRIORITY	BOOK	MULTI	SINGLE			
INFO					AF	X	
FROM:						SPECIAL INSTRUCTIONS	
± ATIC WPAFB O							
TO:							
ADC ENT AFB COLO <i>RJW 74h</i>							
<i>C-882</i>							
AFCIN-4E						FOR GENERAL LEB. <i>AFR 2057, Par 247a</i> <i>2 Jan 68</i>	
THIS MESSAGE IN TWO PARTS. PART I. RECENTLY THERE HAVE BEEN SEVERAL RADAR SIGHTINGS OF UNIDENTIFIED FLYING OBJECTS AT CAPE CANAVERAL DURING THE PREPARATION AND LAUNCHING OF TEST MISSILES. ON <i>14</i> APRIL 1961, AT APPROXIMATELY 2200Z, 60 SECONDS BEFORE THE SCHEDULED LAUNCHING OF POLARIS MISSILE TEST # 1352, A FLYING OBJECT WAS OBSERVED ON BOTH THE FPS-8 RADAR AT CAPE CANAVERAL AND THE FPS-20 RADAR AT THE PATRICK AC&W SITE. INTERCEPTION WAS ATTEMPTED BY AN ADC F-102 AND THE INTERCEPTOR LOCKED ON TO THE UNKNOWN TARGET FOR TWO MINUTES. THE UNKNOWN TOOK EVASIVE ACTION AND DISAPPEARED PREVENTING FULL ACCOMPLISHMENT OF THE INTERCEPT. PART II. THE POSSIBILITY OF THE NAVY CONDUCTING OPERATION IN THE AREA, EVEN" POSSIBLY UNCOORDINATED ASSOCIATION WITH THE TEST, IS WORTH CONSIDERING. REQUEST INFORMATION BE FORWARDED TO ATIC AS TO THE EXTENT OF COORDINATION EXISTING BETWEEN NAVY AND AIR FORCE, BEYOND NORMAL							
SYMBOL				SIGNATURE			
AFCIN-4E				<i>Philip G. Evans</i>			
TYPED NAME AND TITLE (Signature if required)				TYPE (or stamped) NAME AND TITLE			
Maj Robert J. Friend				PHILIP G. EVANS			
PHONE 69216				Colonel, USAF			
PAGE 1				Deputy for Science and Components			
NR. OF PAGES 2							
SECURITY CLASSIFICATION							

DATE 05 0900
MONTH MAY YEAR 1961

DD FORM 173

REPLACES DECLASSIFIED DOD DIR 5200.10 USED UNTIL EXHAUSTED

JOIN MESSAGEFORM-CONT JATION SHEET

SECURITY CLASSIFICATION

FROM:

ATIC WPAFB O

WARNINGS, FOR THE TESTING AT CAPE CANAVERAL. *SCP3*

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

SYMBOL

AFCIN-4E

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SECURITY CLASSIFICATION

INITIALS

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DD FORM 173-1
1 MAY 55

U. S. GOVERNMENT PRINTING OFFICE: 1955-489284

PAGE TWO RJEXFQT 90C

CONF MTW-11-4-2; (2) 19 APRIL , POLARIS SUBMARINE LAUNCH AT 23 DEGREES 15 MINUTES NORTH 80 DEGREES 03 MINUTES 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 IDENTIFY THE UNKNOWNNS BY ADC FIGHTER INTERCEPTION HAS NOT BEEN SUCCESSFUL DUE TO THE FACT THAT ON 19 APRIL AND 27 APRIL WHEN AN F-102 INTERCEPTORS WAS SCRAMBLED FROM JACKSONVILLE, THE UNKNOWN TARGET DEPARTED FROM THE AREA BEFORE THE INTERCEPTOR ACCOMPLISHED INTERCEPTION. FOR MISSILE LAUNCHES BETWEEN 1 MAY AND 9 MAY ADC F-101 INTERCEPTORS WERE BASED AT PATRICK AFB. THREE UNIDENTIFIED RADAR TARGETS WERE OBSERVED AND WERE INTERCEPTED AS FOLLOWS: THE FIRST INTERCEPT IDENTIFIED A TURBO PROP AIRLINE APPROX 15 MILES WEST OF NORMAL COURSE. THE SECOND SCRAMBLE 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 INTERCEPT WAS ACCOMPLISHED ON A REAGE US NAVY P2V WHICH WAS NOT AT HIS PRESCRIBED POSITION. PART THREE. THREE THEORIES WERE STUDIED BY THE DCS/INTELLIGENCE, 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 SIGNALS CAUSED THE OCCURRENCES. THEORY

SQB 097

• ADB173FQB946157231

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/BSO LOS ANGELES CALIF

RJEXGL/APGC EGLIN AFB FLA

BT

MTW-12-5-5. SEC NE OF TWO.

AFSC FOR SCF, HQ USAF FOR AFCIN, OSAF FOR SFIS, IN FC BSD FOR DCS/I, INFO APGC FOR DCS/I. SUBJ: FINAL REPORT CONCERNING 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 APRIL 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

PAGE THREE RJEXFQT 90C

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 BX FPS-20 AND FPS-6. U-2 POSITION
125 DEGRES 260 MILES. 2. 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 835 NEG-
TIVES UNKNOWN TARGETS. U-2 P OSITION 243 DEGREES 150 MILES.
4. 27 APRIL JUNO TST NR 814 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. NCATIVE 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

PAGE FOUR RJEXFQT 90C

NEGATIVE U-2 FLIGHT

8 MAY POLARIS TEST NR 1366 NEGATIVE UNKNOWN

NEGATIVE U-2 FLIGHT . 3. 8 MAY POLARIS TEST AT 1200 NEGATIVE UNKNOWN
RADAR TARGETS. U-2 POSITION 296 DEGREES 175 MILES. 10 9 MAY
TS609A LAUNCH TEST 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 DEGREES AT
APPROX 65,000 FOOT ALTITUDE AND PROCEEDED 250-270 MILES DOWN RANGE.
WHEN IT APPROACHED THE 250 MILE POINT, A SIF RETURN APPEARED ON THE
FPS-3 RADAR SCOPE BUT NOT ON THE FPS-20. THE PAINT INDICATED A
TARGET AT APPROX 50 MILES FROM THE CAPE. AT THIS POINT, THE CON-
TROLLER AT THE CAPE HAD THE U-2 TURN HIS IFF ON AND OFF. AT EACH
INSTANCE THAT THE IFF WAS TURNED OFF THE PAINT DISAPPEARED FROM THE
FPS-3 SCOPE. EACH TIME THE U-2 TURNED HIS IFF ON, THE PAINT
RETURNED. A CONTINUING COMPARISON OF THE U-2 POSITION PLOTTED BY
MOD 2 CAPE RADAR AND THE POSITION OF THE IFF REFLECTION ON THE FPS-3
RADAR WERE AT ALL TIMES APPROX 220 NAUTICAL MILES APART. PART SIX.
THEORY 2 - TIMING SIGNALS . CONSIDERABLE ANALYSIS AND DISCUSSION

ARE MADE CONCERNING THE POSSIBILITY OF RANGE TIMING SIGNALS CAUSING THE UNKNOWN RADAR TARGETS. THERE APPEARS TO BE NO LOGICAL INDICATION TO CONFIRM THIS THEORY, IN THAT BOTH FPS-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 UNIDENTIFIED 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-8 HEIGHT FINDER RECORDED THE TARGET AT 1,000 FEET ALTITUDE AT 2330" AND AT 6,000 FEET AT 2045Z, AND THE F102 INTERCEPTOR PILOT EMPHATICALLY 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 AIRCRAFT TRACK. DURING THE JUNO LAUNCH TEST NR 814, 27 APRIL THE U-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 TARGET. PART EIGHT. CONCLUSION OF THE COMMANDER, PATRICK AC&W

BT

12/1640Z MAY RJEXFQT

DOWNGRADED AT 12 12 12
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HQA284

RR RJEDSQ

DE RJEZFF 28C

R 061316Z

FM AFSC ANDREWS AFB

TO RJEZHQ/HQ USAF WASH

INFO RJEENO/AFMTC PATRICK AFB FLA

RJEDSQ/ATIC WPAFB OHIO

BT

SCFAE 6-6-2

FOR AFCIN 2B3, INFO, MTW, 4E2C. SUBJECT: UNIDENTIFIED AIRCRAFT ON THE ATLANTIC MISSILE 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 IDENTIFIED AS COMMERCIAL AIRLINERS OR US NAVY AIRCRAFT. THERE HAVE BEEN NO UNIDENTIFIED TARGETS SINCE

PAGE TWO RJEZFF 28C

27 APRIL. IT IS THEREFORE 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

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 OBSERVA-
TION. THE RANGE AND ALTITUDES OBSERVED TO DATE RULE OUT THE POSSI-
BILITY OF THE PRESENCE OF A MACH PLUS, SUPER PERFORMANCE VEHICLE.
THIS COMMAND WILL CONTINUE TO EXERCISE STRINGENT SURVEIL-
LANCE OF THE AMR WITH ALL FACILITIES AVAILABLE AND REPORT ANY
SIGNIFICANT INCIDENTS OF THIS NATURE. SCP-3

BT

06/1906Z JUN RJEZFF

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INTERVALS; NOT AUTOMATICALLY
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UNCLASSIFIED



THAT THE AIRCRAFT WERE IDENTIFIED AS A VEHICLE OF UNKNOWN ORIGIN. IT WAS
DETERMINED TO BE AN F-4 PHANTOM II. IT WAS OBSERVED ON 18 MAY 68. THE
AIRCRAFT WAS OBSERVED AT 10,000 FEET. IT WAS OBSERVED AT 10,000 FEET.
THE AIRCRAFT WAS OBSERVED AT 10,000 FEET. THE AIRCRAFT WAS OBSERVED AT 10,000 FEET.



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11

~~SECRET~~ II

1961 MAY 13 04 18

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2 - 4E1
3 - 4F3
4 - 4X2a
D

SECRET
SQB063ADC 753 FQD 919 QTB 21
PP RJEDSQ
ZPK 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/AFIC WPAFB OHIO
RJEZHQ/OSAF WASH DC
INFO RJWZJB/DSB LOS ANGELES CALIF
RJEXGL/APGC EGLIN AFB FLA
BT

~~SECRET~~ MTW-12-5-5. SECTION TWO OF TWO
SITE ARE QUOTED FROM HIS TELETYPE SECRET MTOFC CITE MT-66503 TO
32 AIRDIV DOBBINS AFB GA, INFO: 679 ACW SQ JACKSONVILLE FLA.
QUOTE. IT IS BELIEVED THAT THIS PHENOMENA ACCOUNTS FOR SOME OF THE
UNKNOWN'S 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 INTERRO-
GATION 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

PAGE TWO RJEXFOT 91C

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 130 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 UNKNOWNNS AND THE FPS-20 DID NOT. WE HAVE RECOMMENDED TO AFMTC THAT THEY ADJUST THEIR IFF (SIF) TO 130 PRF AND PART OF THE PROBLEM WOULD BE SOLVED. HOWEVER, THIS DOES NOT ANSWER WHY WE PAINTED UNKNOWNNS ON BOTH THE FPS-8 AND THE FPS-20 RADARS AS WELL AS THE FPS-6 RADAR. 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 UNKNOWNNS. 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 UNKNOWNNS. IT IS RECOMMENDED THAT

PAGE THREE RJEXFQT 91C

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 410 MILES DISTANT, WHICH IS BELIEVED TO MINIMIZE THE PROBABILITY OF THE TARGET BEING CAUSED BY THE U-2 IFF. 4. THE RADAR TARGET DETECTED ON 27 APRIL DURING JUNO LAUNCH TEST NR 314 COULD POSSIBLY BE A SO CALLED "SECOND BANG" OF THE U-2 IFF IN THAT THE U-2 WAS 220 MILES DOWNRANGE ON AN AZIMUTH 338 DEGREES AND THE FPS-8 HEIGHT FINDER DID NOT DETECT THE UNKNOWN TARGET. THIS TARGET COULD ALSO VERY 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

PAGE FOUR RJEXFQT 91C

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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AF IN : 28780 (21 Apr 61)

F/scc

ACTION: CIN-14

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

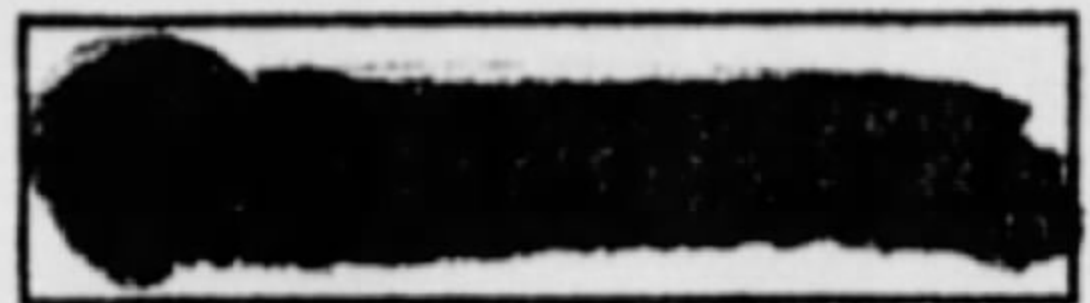
W

DE RJEDSO 7XC
P 212050Z ZEX
FM ATIC WPAFB
TO RJEZHQ/COFS USAF WASH DC
RJEZFF/AFSC ANDREWS AFB MD
BT

UNCLASSIFIED
Director
AFR 205-1, Par 2-12a
2 Jan 68

 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-3 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.



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AF IN : 28780 (21 Apr 61)

Page 2 of 3

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 LOGICAL 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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AF IN : 28780 (21 Apr 61)

Page 3 of 3

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.

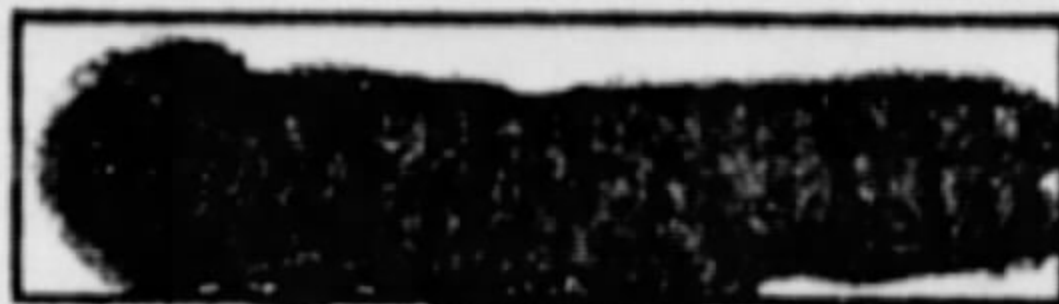
PART IV. CONTACT WITH LT/COL JAMES O. PAYNE, AFMTC, REVEALED THAT NO NAVY OPERATION COULD HAVE BEEN RESPONSIBLE FOR THE SIGHTING AND THAT THERE HAVE BEEN NO SIMILAR INCIDENTS DURING SUBSEQUENT TESTS.

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

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([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)

*Director TP
A. J. Jantzen
AFR 2057, Para 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.

([REDACTED])

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STAFF MESSAGE DIVISION
INCOMING MESSAGE**

AF IN : 28780 (21 Apr 61)

Page 2 of 3

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 LOGICAL 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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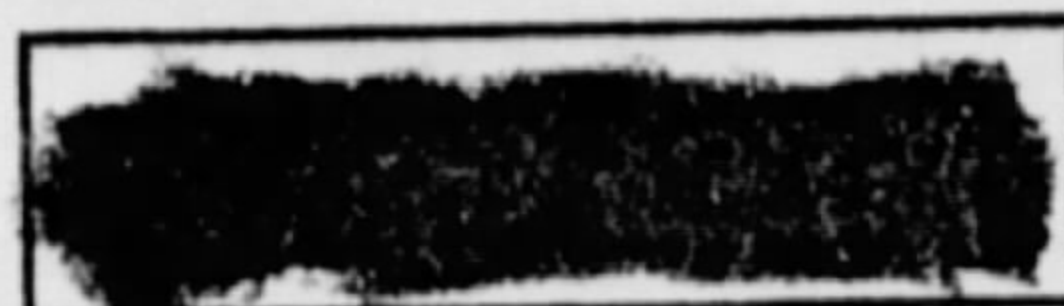
Page 3 of 3

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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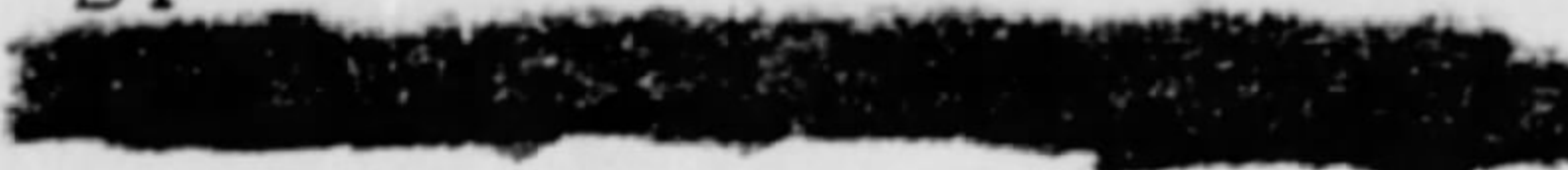
F/scc

ACTION: CIN-14

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

DE RJEDSQ 7XC
P 212050Z ZEX
FM ATIC WPAFB
TO RJEZHQ/COFS USAF WASH DC
RJEZFF/AFSC ANDREWS AFB MD
BT

Direct to DF
A. Quintanilla
AFR 2051, Page 247a
2 Jan 68

 AFCIN-4E2 C-776.

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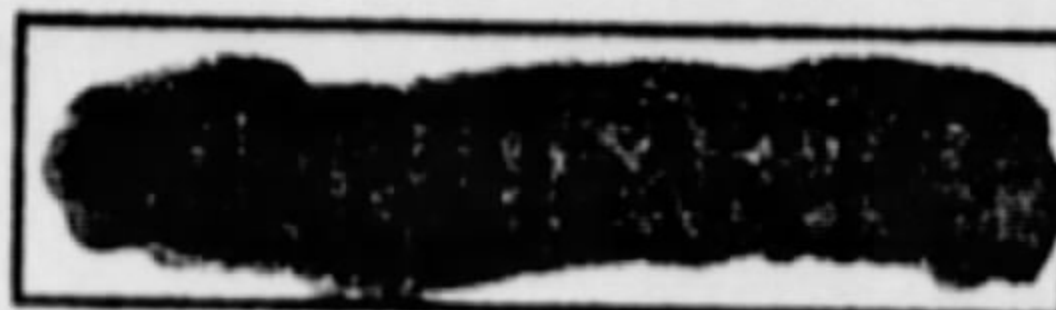
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