

MILITARY AIR

PROJECT 10073 RECORD CARD

1. DATE 25 Sep 60		2. LOCATION S of Midway Islands		12. CONCLUSIONS <input type="checkbox"/> Was Balloon <input type="checkbox"/> Probably Balloon <input type="checkbox"/> Possibly Balloon <input type="checkbox"/> Was Aircraft <input type="checkbox"/> Probably Aircraft <input type="checkbox"/> Possibly Aircraft <input type="checkbox"/> Was Astronomical <input type="checkbox"/> Probably Astronomical <input type="checkbox"/> Possibly Astronomical <input checked="" type="checkbox"/> Other <u>Refraction <i>Arcturus</i></u> <input type="checkbox"/> Insufficient Data for Evaluation <input type="checkbox"/> Unknown	
3. DATE-TIME GROUP Local _____ GMT 26/0700Z		4. TYPE OF OBSERVATION <input type="checkbox"/> Ground-Visual <input type="checkbox"/> Ground-Radar <input checked="" type="checkbox"/> Air-Visual <input type="checkbox"/> Air-Intercept Radar			
5. PHOTOS <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		6. SOURCE Military			
7. LENGTH OF OBSERVATION 4 min		8. NUMBER OF OBJECTS one	9. COURSE		
10. BRIEF SUMMARY OF SIGHTING Round or oval object, six inches in diameter, continually changing red, green and white. The light from the object was very bright. Object climbed from water level, sped past the tail. Object passed from view behind a cloud bank.			11. COMMENTS Object was probably atmospheric refraction of the star Arcturus.		

JOINT MESSAGEFORM - CONTINUATION SHEET

SECURITY CLASSIFICATION

UNCLASSIFIED

FROM:

ATIC, W-P AFB

APPROX DURATION OF EACH SEPARATE SIGHTING OF THE OBJ? HOW DID THE WITNESSES DETERMINE THAT EACH SUBSEQUENT SIGHTING WAS THE SAME OBJECT?

ATIC

302580 15 31

SYMBOL

AFCIN-1E2x

REC

PAGE

2

NR OF

PAGES

SECURITY CLASSIFICATION

UNCLASSIFIED

INITIALS

RECEIVED

TELEPHONE
TO: OD
NO: 71222
TIME: 2222Z
Date: 10 OCT 60
By: SA

NNNN

RBZ70

CZCSQB180ZCQYA450 11 Oct 60 08 34

PP RJEDSQ

ATIC

1960 OCT 10 22 14

DE RJHPKM 71C

P 101959Z

FM PACAFBASECOM HICKAM AFB OAHU HAWAII

TO ATIC WRIGHT PATTERSON AFB OHIO

BT

Friends
UNCLAS FROM PACAFBASECOM/BDI-BAS-224. REFERENCE YOUR MSG UNCLAS
AFCIN-4E2X 9-2915-F CONCERNING SIGTING OF UNIDENTIFIED FLYING
OBJECT, ON 25 SEP 60. REQUESTED INFORMATIBF FOLLOWS. OBJECT DID
APPEAR THE SAME SIZE AT ALL TIMES. OBJECT DID NOT APPEAR AS A
POINT SOURCE. COLORS WERE A CONTINUOUS ASSOCIATION. EVERY CREW
MEMBER SAW OBJECT FROM HIS OWN STATION. TRACK BEFORE TURN WAS 030
DEGREES, FINAL TRACK AFTER TURN WAS 210 DEGREES. BEARING OF THE
OBJECT WAS 300 DEGREES. WAS FIRST SIGHTED AT TWO MILES AND FINALLY
SIGHTED AT TWENTY MILES. RECHECK ON SIZE--AT ARMS LENGTH WAS THE
DIAMETER OF A DAME. NO PICTURES WERE TAKEN. VISIBILITY-EXCELLENT,

(SA)
→
1
27
3
4E2X
44X2A

FORM 8-60 THE AIR FORCE MESSAGE CENTER 10-60

JOINT MESSAGEFORM

SECURITY CLASSIFICATION

SPACE BELOW RESERVED FOR COMMUNICATION CENTER

PARAPHRASE NOT REQUIRED EXCEPT PRIOR TO
 CATEGORY B ENCRYPTION—PHYSICALLY REMOVE
 ALL INTERNAL REFERENCES BY DATE-TIME GROUP
 PRIOR TO DECLASSIFICATION

A

14 OCT 60 - 14 43z

TOT 13/1526z

37E

PRECEDENCE	TYPE MSG (Check)			ACCOUNTING SYMBOL	ORIG. OR REFERS TO	CLASSIFICATION OF REFERENCE
ACTION ROUTINE	BOOK	MULTI	SINGLE	AF	AFCIN-88302 AFCIN-4E2x IC-41684	SECRET
INFO						

FROM:

ATIC, W-P AFB

TO:

COFS USAF WASH DC

SPECIAL INSTRUCTIONS

Classification Cancelled
 (or changed to) UNCLASSIFIED
 Auth: [Signature]
 By: [Signature]
 Date: 9 MAY 1969
 AFR 205-1, Para 2-17 a
 2 Jan 68

FROM: AFCIN -4E2x IC-41753

YOUR MSG AFCIN-88302 AND ATIC MSG AFCIN-4E2x IC-41684. IT IS THE ATIC CONCLUSION THAT THE OBJ WITNESSED BY THE CREW OF A MILITARY AIRCRAFT AT 0700Z ON 26 SEP 60, WAS PROBABLY ATMOSPHERIC REFRACTION OF THE STAR ARCTURUS. THE AIRCRAFT WAS AT POSITION 21-52N, 178-25W. REFRACTION IS THE BENDING OF LIGHT AS IT ENTERS OR LEAVES A DENSER OR LESS DENSE MEDIUM. IMAGES (LIGHT) SEEN UNDER THESE CONDITIONS WILL SEEM TO TWINKLE, CHANGE BOTH COLOR AND INTENSITY, CHANGE SHAPE AND SIZE, AS WELL AS TO DANCE AROUND AND APPEAR TO RUSH TOWARD AND AWAY FROM THE OBSERVER. A SECONDARY EFFECT IS THAT OF DISPERSION, LIGHT OF DIFFERENT WAVE LENGTHS (COLOR) BENDS AT DIFFERENT ANGLES, THEREFORE THE OBJECTS ALL APPEAR MULTI-COLORED. WHEN THE SUN, MOON OR STARS ARE LOW ON THE HORIZON THE LIGHT RAYS ARE BENT BY THE ATMOSPHERE INTO A CURVED PATH WHICH RENDERS THESE OBJECTS VISIBLE

DATE	TIME
12	1423
MONTH	YEAR
OCT	1960

WRITER	SYMBOL	AFCIN-4E2x			RELEASEE	SIGNATURE	[Signature]
	TYPED NAME AND TITLE (Signature, if required)	Major Robert J. Friend				TYPED (of stamped) NAME AND TITLE	PHILIP G. EVANS
	PHONE	69216	PAGE NR.	1		NR. OF PAGES	2
	SECURITY CLASSIFICATION	[Redacted]					

DD FORM 173 1 MAY 55

REPLACES DD FORM 173, 1 OCT 49, WHICH WILL BE USED UNTIL EXHAUSTED

UNCLASSIFIED

FROM:

ATIC W-P AFB

WHEN THEY ARE IN REALITY ABOUT ONE-HALF DEGREE BELOW THE HORIZON. THE INCREASING DENSITY OF THE LOWER AIR CAUSES THE RAYS TO BEND. THE STAR ARCTURUS WAS AT AN AZIMUTH WHICH CORRESPONDS TO THAT REPORTED BY THE WITNESSES AND WOULD APPEAR ON OR JUST BELOW THE HORIZON AT THEIR LATITUDE AT THE HOUR OF THE SIGHTING. THE MAGNITUDE OF ARCTURUS IS 0.2, ONLY FIVE STARS; BETELGEUX, CANOPUS, SIRIUS, RIGEL KENTAURUS AND VEGA ARE BRIGHTER. THE MOTIONS ATTRIBUTED TO THE OBJ ARE PROBABLY DUE TO APPARENT MOTIONS RESULTING FROM INCONSISTENCIES IN THE ATMOSPHERE AND RELATIVE MOTION RESULTING FROM AIRCRAFT MOVEMENT. IT WOULD NOT BE UNUSUAL FOR EXPERIENCED OBSERVERS TO BE FOOLED BY THIS PHENOMENA. SIMILAR EXPERIENCES HAVE EVEN FOOLED QUALIFIED PROFESSIONAL ASTRONOMERS FOR A LIMITED TIME.

W

A

PARAPHRASE NOT REQUIRED EXCEPT PRIOR TO CATEGORY B ENCRYPTION—PHYSICALLY REMOVE ALL INTERNAL REFERENCES BY DATE-TIME GROUP PRIOR TO DECLASSIFICATION

DOWNGRADED AT 5 YEARS
DECLASSIFIED AFTER 10 YEARS
FOR D/E 65010

ATIC
14 OCT 80 08 33
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UNCLASSIFIED

[REDACTED]

SYMBOL AFCTN-1E2x	PAGE NR 2	NR OF PAGES 2	SECURITY CLASSIFICATION [REDACTED]	INITIALS
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OPERATIONAL IMMEDIATE
UNCLAS EFTO

1960 SEP 27 03 29

TELEPHONED
TO Capt Short
NO. 71222
TIME 0339Z
Date 27 SEP
By 17

(17)

REO44

ZCSQB802ZCQYA043

OO RJEDSQ

DE RJHPKM 167FV

O 270226Z ZEX

FM COMDR PACAFBASECOM HICKAM AFB HAWAII

TO RJWFAL/CMDR AIR DEFENSE COMMAND ENT AFB COLORADO

RJHPKA/CMDR HAWAIIAN AIR DEFENSE DIVISION WHEELER AFB HAWAII

RJEDSQ/CMDR AIR TECHNICAL INTELLIGENCE CENTER WPAFB OHIO

RJEZHQ/HQ USAF WASH DC

RJEZHQ/SEC OF THE AIR FORCE WASH DC

BT

U N C L A S E F T O FROM BDI 212. HQ USAF FOR AFCIN. SEC OF AF FOR SAFIS.
REFERENCE AFR 200-2, PARA 15. SUBJECT: UFOB REPORT. UFOB WAS
SPOTTED 26/0700Z. REPORTED AS FOLLOWS: A1. OBJECT WAS ROUND OR OVAL
IN SHAPE; 2 SIX INCHES IN DIAMETER IF HELD IN HAND AT ARMS LENGTH;
3 CONTINUALLY CHANGING RED, GREEN AND WHITE. ONE COLOR WOULD LAST
FROM THREE TO FOUR SECONDS BEFORE MIXING INTO NEXT COLOR. THE
LIGHT FROM THE OBJECT WAS VERY BRIGHT. 4. ONLY ONE OBJECT SIGHTED
SEVERAL TIMES. 5. N/A 6. NONE 7. NO TAIL DESCERNIBLE 8. NO SOUND
HEARD BY THE CREW. 9. NONE. B1. OBJECT WAS VERY BRIGHT. FIRST
SIGHTED BY THE LEFT SCANNER, THEN THE RIGHT SCANNER, NAVIGATOR,

1
2
3
4
4E2
4XW



PAGE TWO RJHPKM 167F

PILOT AND AIRCRAFT COMMANDER, IN THAT ORDER. 2. OBJECT CLIMBED FROM WATER LEVEL AT EIGHT O'CLOCK POSITION. SPED PAST THE TAIL TO THE FIVE O'CLOCK POSITION. MISSION AIRCRAFT IN A TURN TO THE LEFT. OBJECT LOST FROM VIEW. NEXT SIGHTING, MISSION ACFT OUT OF TURN LEVEL AT FIFTEEN THOUSAND FEET CSE TWO ONE ZERO DEGREES, OBJECT SIGHTED AT SIXTH DEGREES REL BEARING FORTY DEGREES HIGH MOVING ACROSS MISSION ACFT NOSE TO A REL BEARING OF THREE THREE ZERO DEGREES LOW. OBJECT PASSED FROM VIEW BEHIND A CLOUD BANK, TOPS, TEN THOUSAND. D. 26/0711Z-2152N/17325W. OBSERVED FOR A TOTAL OF FOUR MINUTES (2) NIGHT.

BT

27/0241Z SEP RJHPKM

UNCLAS EFTO

// A T I C //

HQA002

PP RJEDSQ

DE RJEZHQ 352

P 252340Z

FM HQ USAF

TO RJEDSQ/ATIC

INFO RJHPKM/PACAF

BT

~~REDACTED~~ FROM AFCIN 88302.

REQUEST AN ANALYSIS BE ACCOMPLISHED AS TO ANY ASSOCIATION OR CORRELATION WHICH CAN BE DEDUCED FROM ALL UFOB REPORTS WHICH HAVE BEEN SIGHTED NEAR THE SIBIR CLASS VESSELS OR NORTHWARD FROM HAWAII OVER THE PAST 10 DAYS. IT IS REQUESTED A REPLY BE ACCOMPLISHED AS SOON AS POSSIBLE WITH PACAF ALSO ADDED AS ADDRESSEE.

BT

25/2344Z SEP RJEZHQ

UNCLASSIFIED
RECEIVED
26 SEP 60 08 52
1960 SEP 26
ATIG 8
Supplies
9 September 60
174E2X
2 4A2 (conty)
3
4 4X2H

Classification Canceled
(or changed to)
UNCLASSIFIED
By Raymond T. D.
Quintanilla
Date 9 MAY 1969
AFR 2054, par 247a
2 Jan 68

DOWNGRADABLE AT 1 YEAR INTERVALS
DECLASSIFIED AT 12 YEARS
EOP 1.1 (1967)

UNCLASSIFIED

~~REDACTED~~ ~~REDACTED~~

PAGE TWO RJHPKM 71C

SCATTERED CUMULUS, TOPS 2000 FEET. FIRST SIGHTING DURATION, ONE
MINUTE; SECOND SIGHTING DURATION THREE MINUTES. BY COLOR, SIZE
AND CLOSE PROXIMITY OF THE TWO SIGHTINGS.

BT

10/2114Z OCT RJHPKM

FOR AIRMAIL MAILING USE SECTION 5, DIVISION 5, U. S. AIR FORCE

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JOINT MESSAGEFORM

SECURITY CLASSIFICATION

UNCLASSIFIED

SPACE BELOW RESERVED FOR COMMUNICATION CENTER

Classification (or changed by) AUTH. By *Quintanilla* DATE *9 MAY 1969* *AFR 2051, 02 Jan 68* *655*

PRECEDENCE	TYPE MSG (Check)			ACCOUNTING SYMBOL	ORIG. OR REFERS TO	CLASSIFICATION OF REFERENCE
ACTION ROUTINE	BOOK	MULTI	SINGLE	AF	AFCIN-88302	SECRET
INFO ROUTINE						

FROM: ATIC, W-P AFB *18X*

TO: COFS USAF WASH DC *RJEZHP*

INFO: PACAF HICKAM AFB HAWAII *RJHPKM*

/SECRET/ FROM: AFCIN-LE2x *IC-41684*

SPECIAL INSTRUCTIONS
RJEZHP
RJHPKM
ENCODED
Initials *[Signature]*
Time *1929*
Checked By *[Signature]*

FOR AFCIN. REF YOUR MSG AFCIN 88302, ONLY TWO SIGHTINGS OF UNIDENTIFIED FLYING OBJECTS HAVE BEEN REPORTED TO ATIC FROM THE HAWAIIAN AREA IN THE PAST 10 DAYS. ON 18 SEP 60, AT 1015Z AND POSITION 35-20N, 176-18W, AN ELLIPTICAL SHAPED OBJ THE SIZE OF A FOOTBALL WAS SIGHTED. THE OBJ LEFT A TRAIL AND WAS BRIGHT ORANGE IN COLOR. WHEN FIRST SEEN THE OBJ WAS FIVE DEGREES ABOVE THE HORIZON AND FOLLOWED A HORIZONTAL TRAJECTORY ON A COURSE OF APPROX 100 DEGREES. THE OBJ WAS APPROX FIVE DEGREES ABOVE THE HORIZON WHEN IT DISAPPEARED. THE OBJ WAS IN SIGHT FR 20 TO 30 SECONDS. WITNESSES REPORTED THAT THE SPEED OF THE OBJ APPEARED SLOWER THAN THE AVERAGE METEOR. THIS SIGHTING WAS REPORTED BY THE CREW OF A NAVY AIRCRAFT. ATIC ANALYZED THIS SIGHTING AS PROBABLY DUE TO THE OBSERVATION OF A METEOR OF THE "FIREBALL" CLASS. THE DESCRIPTION BY THE WITNESSES

DATE	TIME
<i>29</i>	1300
MONTH	YEAR
SEP	1960

SYMBOL
AFCIN-LE2x

WRITER
TYPED NAME AND TITLE (Signature, if required)
Major Robert J. Friend *H 71*

PHONE *69216* PAGE NR. *1* NR. OF PAGES *3*

SECURITY CLASSIFICATION
UNCLASSIFIED *Copy 1 of 3 copies*

EIGNATURE
[Signature]

REFUSED
TYPED (or stamped) NAME AND TITLE
PHILIP G. EVANS
Colonel, USAF
Deputy for Science and Components

JOINT MESSAGEFORM - CONTINUATION SHEET

SECURITY CLASSIFICATION

UNCLASSIFIED

FROM:

ATIC, W-P AFB

FITS THAT OF THE CHARACTERISTIC FIREBALL, EVEN TO THE RELATIVELY SLOW VELOCITY. FIREBALLS ARE CHARACTERISTICALLY SLOWER THAN THE ORDINARY METEOR AND THIS IS PARTICULARLY TRUE OF THOSE SEEN IN THE EARLY EVENING, THE TIME THIS SIGHTING OCCURRED.

ON 26 SEP 60, AT 0700Z AND POSITION 21-52N, 178-25W, AN UFO WAS OBSERVED BY THE CREW OF A MILITARY AIRCRAFT. THE OBJ WAS RPTD AS ROUND OR OVAL IN SHAPE, SIX INCHES IN DIAMETER AT ARM'S LENGTH AND CONTINUALLY CHANGING FROM RED TO GREEN TO WHITE AND REPEATING THE CYCLE. EACH COLOR WOULD PERSIST FOR THREE TO FOUR SECONDS BEFORE CHANGING TO THE NEXT. THE LIGHT FROM THE OBJ WAS RPTD TO BE VERY BRIGHT. ONLY ONE OBJ WAS RPTD, BUT IT WAS OBSERVED SEVERAL TIMES. THE OBJ LEFT NO TAIL OR TRAIL AND MADE NO SOUND WHICH COULD BE DETECTED BY THE WITNESSES. WHEN THE OBJ WAS FIRST SIGHTED THE MISSION AIRCRAFT WAS IN A LEFT TURN, THE OBJ APPEARED TO CLIMB FROM WATER LEVEL AT THE EIGHT O'CLOCK POSITION, SPED PAST THE TAIL OF THE RPTG AIRCRAFT TO THE FIVE O'CLOCK POSITION WHERE IT WAS LOST FROM VIEW. WHEN NEXT THE OBJ WAS SEEN THE MISSION AIRCRAFT WAS LEVEL AT 15,000' ON A COURSE OF 210 DEGREES. THE OBJ WAS SIGHTED AT SIXTY DEGREES RELATIVE BEARING AT 40 DEGREES ELEVATION AND MOVING ACROSS THE NOSE TO A RELATIVE BEARING OF 330 DEGREES LOW. THE OBJ DISAPPEARED BEHIND A CLOUD BANK WITH TOPS AT 10,000'. THE OBJ WAS OBSERVED FOR A TOTAL OF FOUR MINUTES. THIS RPT ARRIVED AT ATIC ON 27 SEP 60, AND HAS NOT AS YET BEEN ANALYZED DUE TO THE ABSENCE OF ESSENTIAL INFO WHICH HAS BEEN REQUESTED FR PACAF. IN VIEW OF THE INFO WHICH IS AVAILABLE, THIS OBJ COULD POSSIBLY HAVE

INFORMATION AT THE DISCRETION OF THE OFFICE OF THE SECRETARY OF DEFENSE

SYMBOL AFCIN-11E2	PAGE NR 2	NR OF PAGES 3	SECURITY CLASSIFICATION UNCLASSIFIED	INITIALS Copy 1 of 3 copies
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DD FORM 173-1 MAY 55

UNCLASSIFIED

U. S. GOVERNMENT PRINTING OFFICE: 1955-52234

UNCLASSIFIED

FROM:

ATIC, W-P AFB

BEEN A USSR MISSILE OR A STAR NEAR THE HORIZON WITH MOTION OF THE MISSION AIRCRAFT GIVING IT AN APPARENT MOTION. IF THIS OBJ WAS A MISSILE, AND THE RPTD INFO OF ITS FLIGHT PATH TRUE, IT WAS PROBABLY FIRED FROM SOME SURFACE VESSEL. A LONG RANGE MISSILE WOULD HAVE HAD A PATH WHICH APPEARED MUCH STRAIGHTER AND IT WOULD HAVE APPEARED TO ORIGINATE AT A SPOT ABOVE THE HORIZON. HQ USAF WILL BE PROVIDED WITH THE COMPLETE ATIC ANALYSIS IMMEDIATELY UPON ITS COMPLETION.

DOWNGRADED AT 5 YEAR INTERVALS:
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 580.10

ATIC
3025620 1554
RECEIVED


3025620 IS 15

Cy 1 of 3 copies

SYMBOL	PAGE NR	NR OF PAGES	SECURITY CLASSIFICATION	INITIALS
AFCIN-4E2x	3	3	[REDACTED]	

DD FORM 173-1
MAY 56

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JOINT MESSAGEFORM			SECURITY CLASSIFICATION			
			UNCLASSIFIED 73F			
SPACE BELOW RESERVED FOR COMMUNICATION CENTER						
301849/60						
PRECEDENCE		TYPE MSG (Check)		ACCOUNTING SYMBOL	ORIG. OR REFERS TO	CLASSIFICATION OF REFERENCE
1960 SEP 30		18 18		AF	BOI 212	UNCLAS
ACTION	ROUTINE	BOOK	MULT	SINGLE		
INFO						
FROM:					SPECIAL INSTRUCTIONS	
ATIC, W-P AFB					67	
TO:						
HICKAM AFB, HI HAWAII R5HPRM						
/UNCLAS/FROM: AFCIN-4E2x <u>9-2915-E</u>						
<p>PACAFBASECOM, REF YOUR MSG BOI 212, DTD 27 SEP 60, REQ THE FOLLOWING INFO CONCERNING THE SIGHTING OF AN UNIDENTIFIED OBJ ON 25 SEP 60. DID THE OBJ APPEAR THE SAME SIZE AT ALL TIMES? IF NOT, EXPLAIN THE CHANGE. DID THE OBJ START AS A POINT SOURCE? WERE THE REPORTED COLORS A CONTINUOUS ASSOCIATION OR ONLY MOMENTARY? DID THE CREW MEMBERS VIEW THE OBJ OUT OF WINDOW AT THEIR STATIONS, OR FROM OTHER POSITIONS? REQ A TRACE, WITH INDICATED HEADINGS, OF THE AIRCRAFT TRACK DURING THE SIGHTING. WHAT WAS THE BEARING OF THE OBJECT WHEN FIRST SEEN? HOW FAR AWAY DID THE OBJ APPEAR TO BE FROM THE AIRCRAFT WHEN FIRST SEEN, AT MID-FLIGHT, AND WHEN LAST SEEN? RE-CHECK THE APPARENT SIZE OF THE OBJ; SIX INCHES AT ARM'S LENGTH REPRESENTS A 1000' OBJ AT APPROX ONE STATUTE MILE DISTANCE. WERE ANY PICTURES MADE OF THE OBJ? IF PICTURES WERE MADE, REQ COPIES BE FWD TO ATIC. REQ THE WEATHER INFO FOR THE DATE OF THE SIGHTING. WHAT WAS THE</p>						
					DATE	TIME
					28	1213
					MONTH	YEAR
					SEP	1960
SYMBOL			SIGNATURE			
AFCIN-4E2x						
TYPED NAME AND TITLE (Signature, if required)			TYPED (or stamped) NAME AND TITLE			
Major Robert J. Friend <i>Am</i>			PHILIP G. EVANS			
PHONE	PAGE NR.	NR. OF PAGES				
69216	1	2				
SECURITY CLASSIFICATION			RELEASER			
UNCLASSIFIED						