

ROLL No. PO 538-A
 DATE FILMED 9-29-72
 OPERATOR BJS
 LOCATION Maxwell AFB, Ala.
 REDUCTION 26:1

CERTIFICATE OF AUTHENTICITY

This microfilm was created from the record copy of unit histories and related historical material of the United States Air Force stored in the Archives Branch of The Albert F. Simpson Historical Research Center at Maxwell AFB, Alabama. This facility is the official repository for these records in accordance with AF Regulation 210-3 and AF Manual 12-50. This microfilm was created in accordance with the provisions of AF Regulation 12-40 as AU Project AU-1B-67. The microfilming was completed under AF Contract F01600-71-C-0478 under the supervision of the Technical Systems Branch of The Albert F. Simpson Historical Research Center.

Marguerite K. Kennedy
 MARGUERITE K. KENNEDY
 Chief, Archives Branch
 The Albert F. Simpson Historical
 Research Center

Billie H. Hix
 BILLIE H. HIX
 Chief, Technical Systems Branch
 The Albert F. Simpson Historical
 Research Center

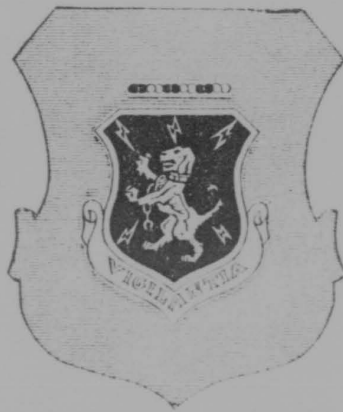
0002

SECRET

**HISTORICAL REPORT
of the
32d AIR DIVISION (DEFENSE)**

RECEIVED
JULY 29 1955
K. DIV 52-111
0116

CATALOGUED



THE AIR DEFENSE OF A SECTOR
JULY through DECEMBER 1955

SUPPORTING DOCUMENTS V

HISTORICAL OFFICE
SYRACUSE AIR FORCE STATION, NEW YORK

HSI Chart 100
S 17061

SECRET

56 2871

0004

SECRET

HSI
S17061

SECRET

50-2871

3-4-91-6

0005

SECRET

THIS DOCUMENT CONTAINS INFORMATION
AFFECTING THE NATIONAL DEFENSE OF THE
UNITED STATES WITHIN THE MEANING OF THE
ESPIONAGE LAWS, TITLE 18, U.S.C., SEC-
TIONS 793 AND 794. ITS TRANSMISSION OR
THE REVELATION OF ITS CONTENTS IN ANY
MANNER TO AN UNAUTHORIZED PERSON IS
PROHIBITED BY LAW.

THIS IS COPY NO 1 OF 4 COPIES.

SECRET

0006

SECRET

HISTORICAL REPORT
OF THE
32D AIR DIVISION (DEFENSE)
NUMBER NINETEEN
THE AIR DEFENSE OF A SECTOR
JULY THROUGH DECEMBER 1955

RCS: AU-D5

SUPPORTING DOCUMENTS

VOLUME ✓

(DOCUMENTS 276/1 THRU 276/6)

SECRET

56-1200

0007

OPERATIONS SUMMARY



SECRET

COPY 32
OF 37 COPIES

32d Air Division

55-3107

0008

SECRET

TABLE OF CONTENTS

	Page
Summary Of Operations	2-3-4
Total Tracks Requiring Identification	5
Flight Plan Correlation	6
Non-Correlation (Mechanical Limitations & Other)	7
Non-Correlation (Mechanical Limitations)	8
Non-Correlation (Other)	9
Identification Effectiveness	10
Scramble Action On Unknowns	11
Reason For No Scramble	12
Intercept Efficiency	13
Reason For Missed Intercept	14
Distribution	15

SECRET

0009

SECRET

This document contains information affecting the United States within the meaning of the Espionage Laws, Title 18 U.S. C., Section 793 and 794. Its transmission or the revelation of the contents in any manner to an unauthorized person is prohibited by law. Reproduction of the contents is authorized provided security required by AF Regulation 205-1 is maintained.

In the event any information contained herein is extracted or the Publication is reproduced in any way, the source of the information should be indicated.

PREPARED BY
OFFICE OF THE COMPTROLLER
FOR DEPUTY OF OPERATIONS
32d AIR DIVISION (DEFENSE)

SECRET

0010

SECRET

SUMMARY OF AIR DEFENSE OPERATIONS
1-31 JULY 1955

	P-10	P-13	P-14	P-21	██████████ - 49	P-50	P-65	P-80	32d AD
1. PENETRATION TRACKS	191	425	1398	Neg.	██████████ 417	20	2746	917	6114
2. WORKLOAD TRACKS	1953	2085	403	Neg.	██████████ 363	915	4757	2295	12,771
3. GOC TRACKS									
a. TRACKS RECEIVED	110	581	1064	652	██████████ 363	734	1427	—	4931
b. TRACKS CORRELATED	76	423	927	190	██████████ 195	426	1264	—	3501
4. NUMBER OF UNKNOWN TRKS	37	7	8	—	—	7	16	6	81
5. SCR ACTION INITIATED	36	7	8	—	—	7	16	6	80
6. NO SCR ACTION INITIATED	1	—	—	—	—	—	—	—	1
7. NUMBER OF INTERCEPT	18	3	6	—	—	3	8	3	41
8. NUMBER OF MISSED INTCP	4	—	2	—	—	3	1	—	10
9. IDENT PRIOR TO INTERCEPT	14	4	—	—	—	1	7	3	29
10. IDENT AFTER MISSED INTCP	—	—	—	—	—	—	—	—	—
11. IDENT W/O SCR INITIATED	1	—	—	—	—	—	—	—	1
12. REMAINED UNKNOWN	4	—	2	—	—	3	1	—	10
13. INTERCEPT EFFECT %	50	43	75	—	—	43	50	50	49
14. IDENT EFFECT %	89	100	75	—	—	57	94	100	85
15. * TRUE INTCP EFFECT %	82	100	75	—	—	50	89	100	74
16. FLIGHT PLANS RECEIVED	191	2509	1610	Neg.	779	n/a	2780	908	8777
17. FLT. PLANS CORR.	181	2433	1408	Neg.	628	n/a	2719	899	8268
18. CORRELATION %	95	97	87	Neg.	81	n/a	98	99	94

REMARKS:

* Intercept Figures Preceded By Asterick Is Determined By Intercepts
Divided By Total Of Scramble Less Identification Plans Prior To Intercepts

SECRET

2

0011

SECRET

32D AIR DIVISION (DEF)
SUMMARY OF AIR DEFENSE OPERATIONS
1-31 JULY 1955

18	REASON FOR NO SCRAMBLE ACTION	P-10	P-13	-14	P-21	P-49	P-50	P-65	P-80	32AD
a.	NO SCRAMBLE NOT REQUIRED (NSNR)	1	—	—	—	—	—	—	—	1
b.	WEATHER (W X)	—	—	—	—	—	—	—	—	—
c.	OUT OF INTERCEPT RANGE (OR)	—	—	—	—	—	—	—	—	—
d.	NO AI EQPD FTR IN SUITABLE LOCATION (NAIF)	—	—	—	—	—	—	—	—	—
e.	NO SCRAMBLE TAC DECISION (NSTD)	—	—	—	—	—	—	—	—	—
f.	NO SCRAMBLE MULTIPLE CORR.IDENT. SYSTEM	—	—	—	—	—	—	—	—	—
19.	REASON FOR MISSED INTERCEPTS	—	—	—	—	—	—	—	—	—
a.	WEATHER (WX)	—	—	—	—	—	—	—	—	—
b.	LATE SCRAMBLE (LS)	—	—	—	—	—	—	—	—	—
c.	AIRBORNE EQUIPMENT FAILURE (AEF)	—	—	—	—	—	—	—	—	—
d.	DARKNESS (DK)	—	—	—	—	—	—	—	—	—
e.	ELECTRONICS COUNTERMEASURES (ECM)	—	—	—	—	—	—	—	—	—
f.	ABORT (ABT)	—	—	—	—	—	1	—	—	1
g.	PERSONNEL ERROR (PE)	—	—	—	—	—	—	—	—	—
h.	GROUND EQUIPMENT FAILURE (GEF)	—	—	—	—	—	—	—	—	—
i.	AIRCRAFT PERFORMANCE (ACP)	—	—	—	—	—	—	—	—	—
j.	FADE PRIOR TO INTERCEPT (FPI)	—	4	—	2	—	1	1	—	8
k.	PASSED TO 26th AD (DEF)	—	—	—	—	—	1	—	—	1

REMARKS

SECRET

0012

SECRET

32d AIR DIVISION FLIGHT PLAN CORRELATION
1-31 JULY 1955

	P-10	P-13	P-14	P-21	P-49	P-50	P-65	P-80	32d AD
FLIGHT PLANS RECEIVED	191	2509	1610	Neg.	779	n/a	2780	908	8777
FLIGHT PLANS CORRELATED	181	2433	1408	Neg.	628	n/a	2719	899	8268
FLIGHT PLANS NOT CORR.	10	76	202	Neg.	151	n/a	61	9	509
REASONS FOR NON CORRELATION (Mechanical Limitations)									
1. SCHEDULED MAINTENANCE	4	48	29	—	108	—	11	2	202
2. EMERGENCY MAINTENANCE	—	3	48	—	—	—	2	—	53
3. OUT OF CALIBRATION LIMITS	1	16	73	—	2	—	27	—	119
5. GROUND CLUTTER	5	4	—	—	26	—	3	—	38
9. OTHER *	—	—	46	—	7	—	17	2	72
TOTAL	10	71	196	—	143	—	60	4	484
(Other than Mechanical Limitations)									
4. WEATHER	—	2	1	—	5	—	—	2	10
6. LATE FLIGHT PLAN	—	—	4	—	2	—	—	1	7
7. DEVIATED FLIGHT PLAN	—	—	—	—	—	—	—	2	2
8. PERSONNEL ERROR	—	3	1	—	1	—	1	—	6
TOTAL	—	5	6	—	8	—	1	5	25
GRAND TOTAL	10	76	202	—	151	—	61	9	509

* Most Common Reason For No. 9

(SECRET) when filled in

SECRET

0013

SECRET

32d AIR DIVISION (DEF)

TOTAL TRACKS REQUIRING IDENTIFICATION



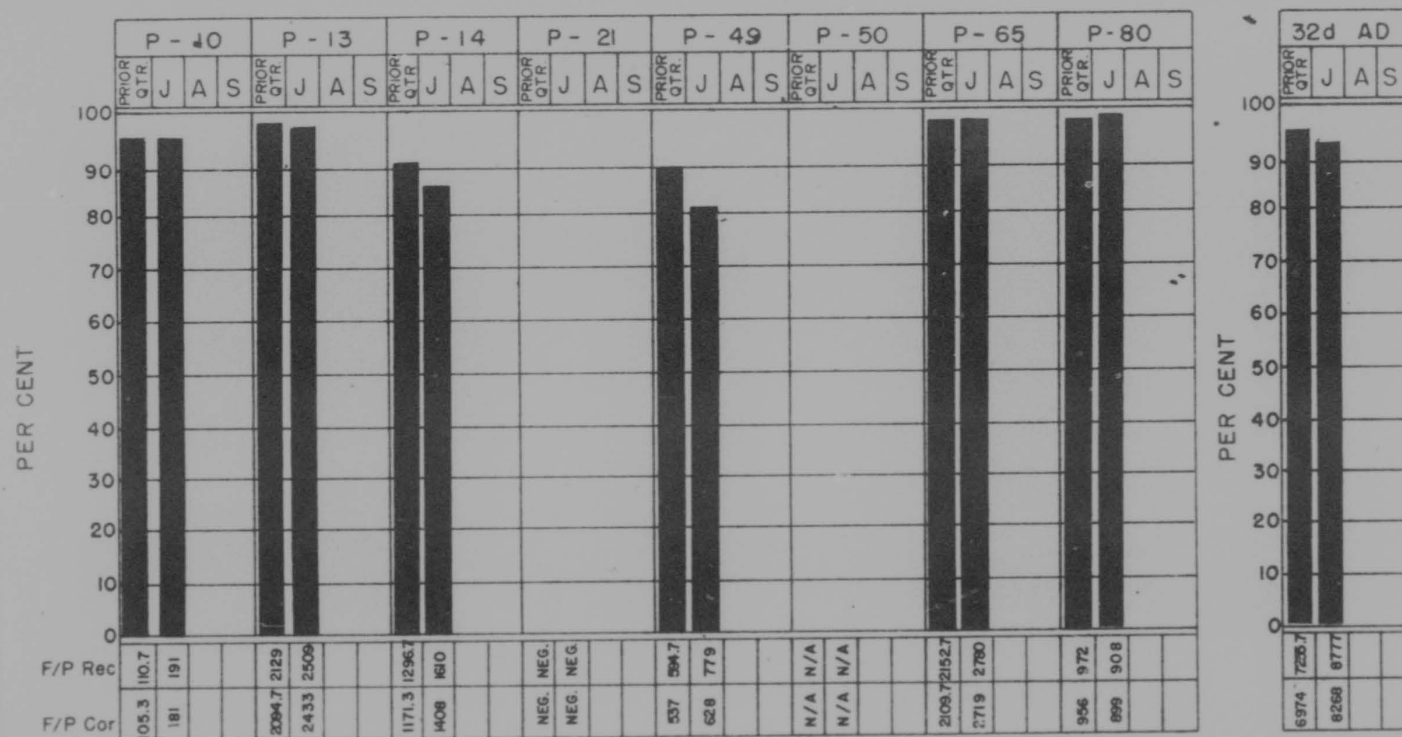
SECRET

0014

SECRET

32d AIR DIVISION (DEF)

FLIGHT PLAN CORRELATION



SECRET

0015

SECRET

32d AIR DIVISION (DEF)

NON - CORRELATIONS



SECRET

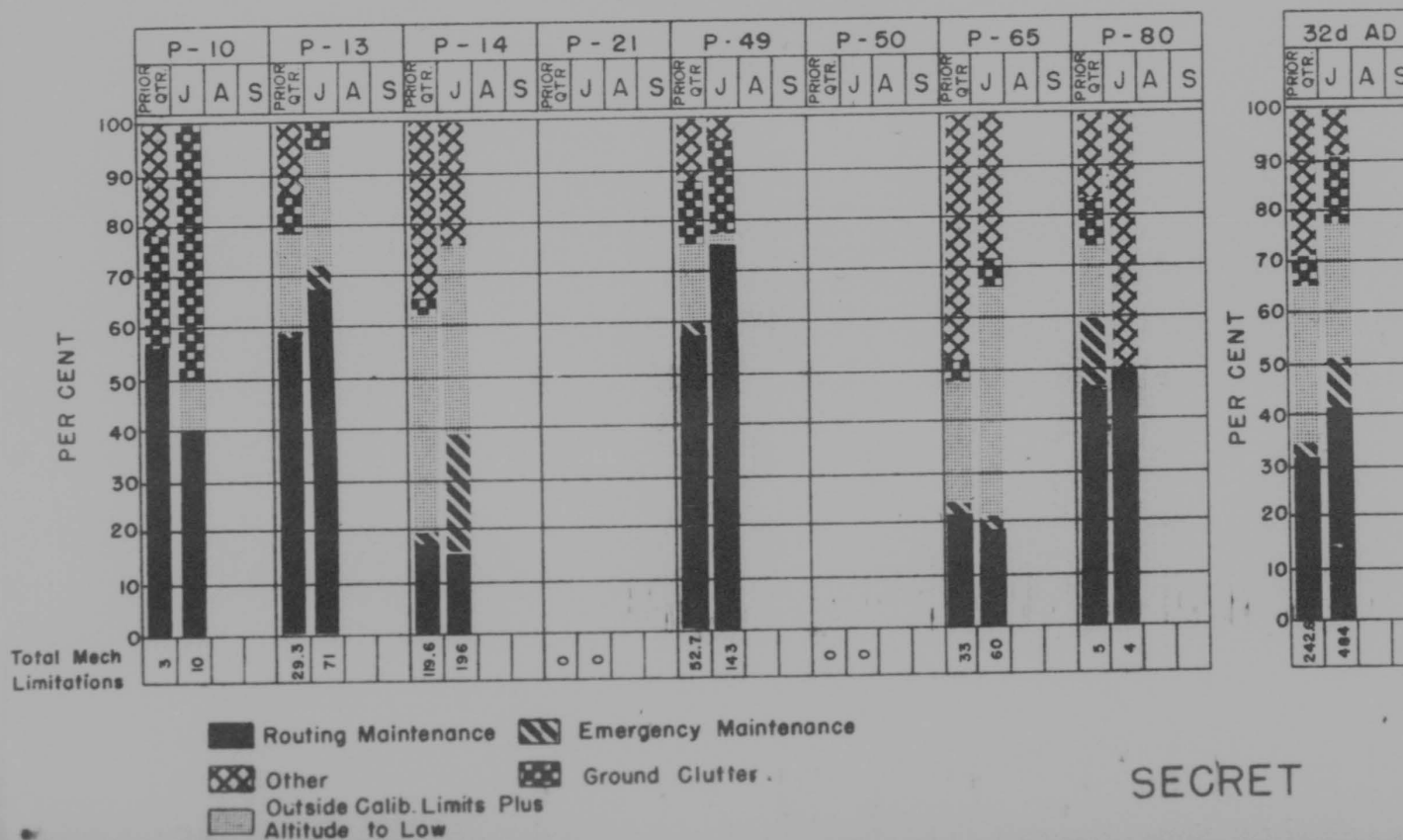
0016

SECRET

32d AIR DIVISION (DEF)

NON-CORRELATIONS

(Mechanical Limitations)



SECRET

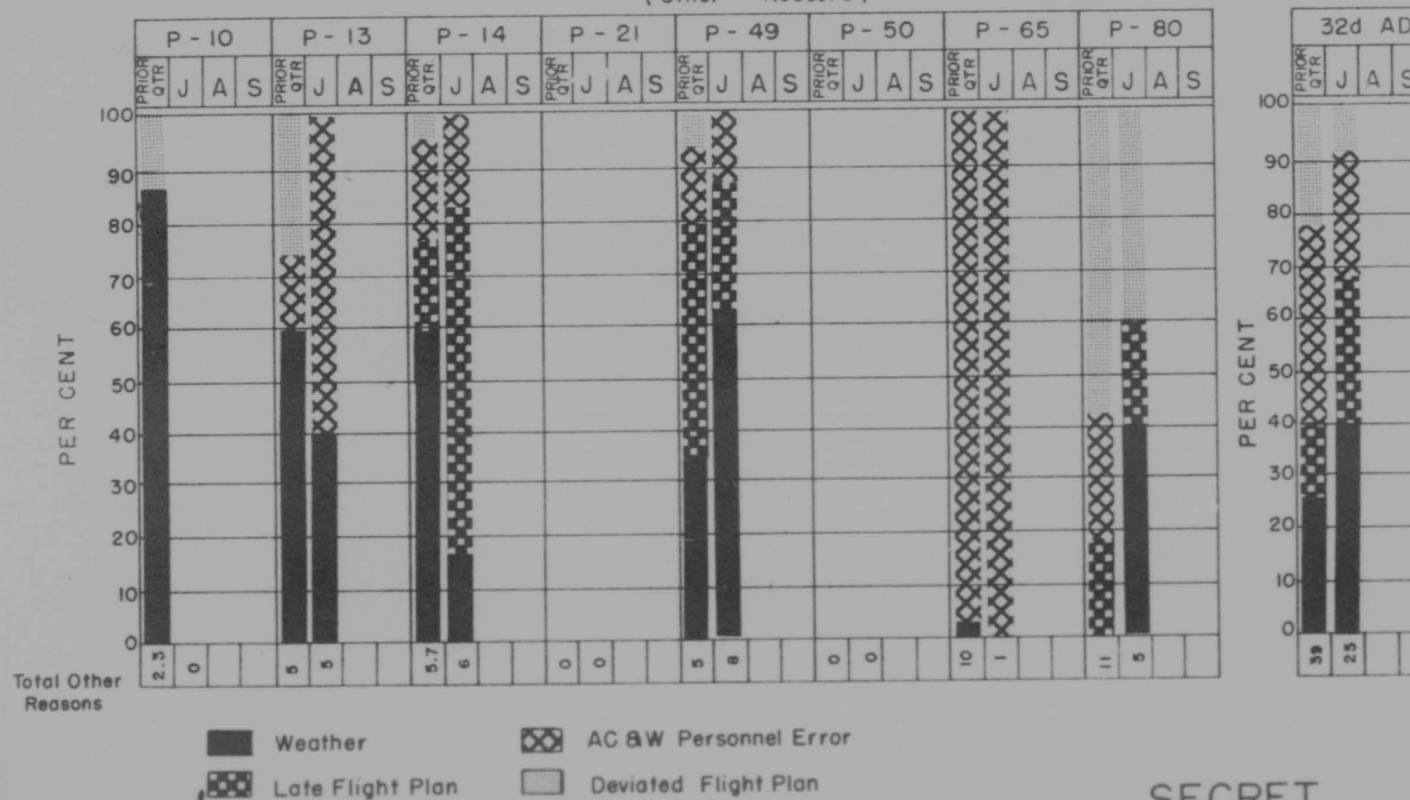
0017

SECRET

32d AIR DIVISION (DEF)

NON-CORRELATIONS

(Other Reasons)



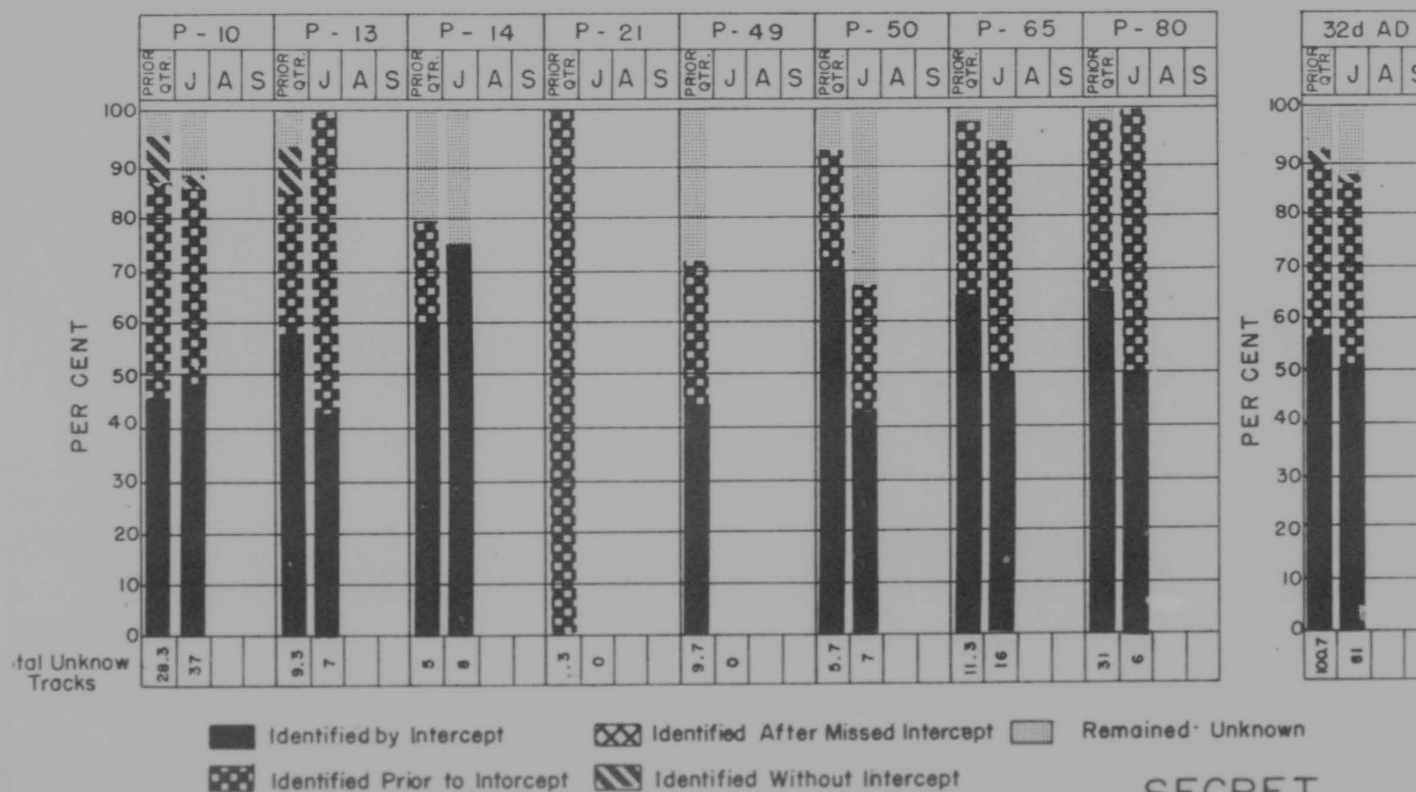
SECRET

0018

SECRET

32d AIR DIVISION (DEF)

IDENTIFICATION EFFECTIVENESS



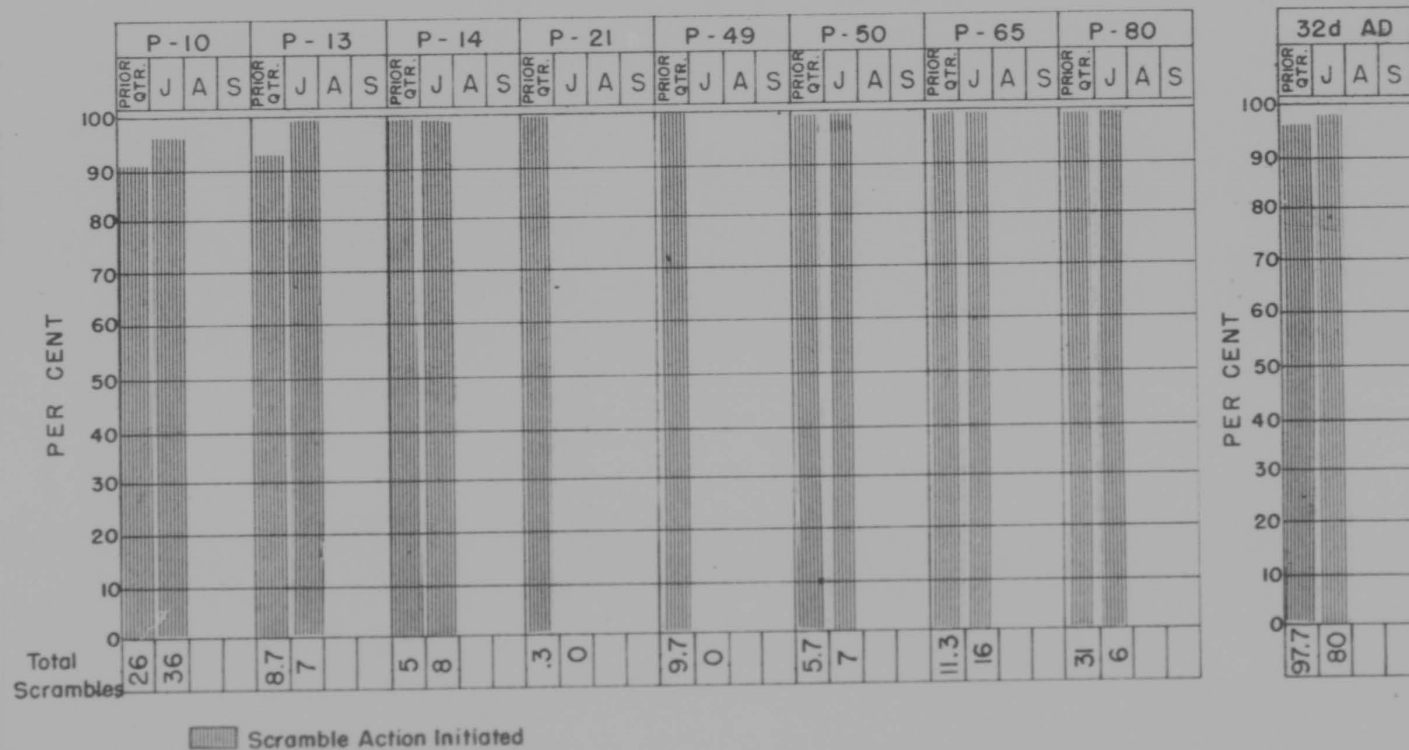
SECRET

0019

SECRET

32d AIR DIVISION (DEF)

SCRAMBLE ACTION



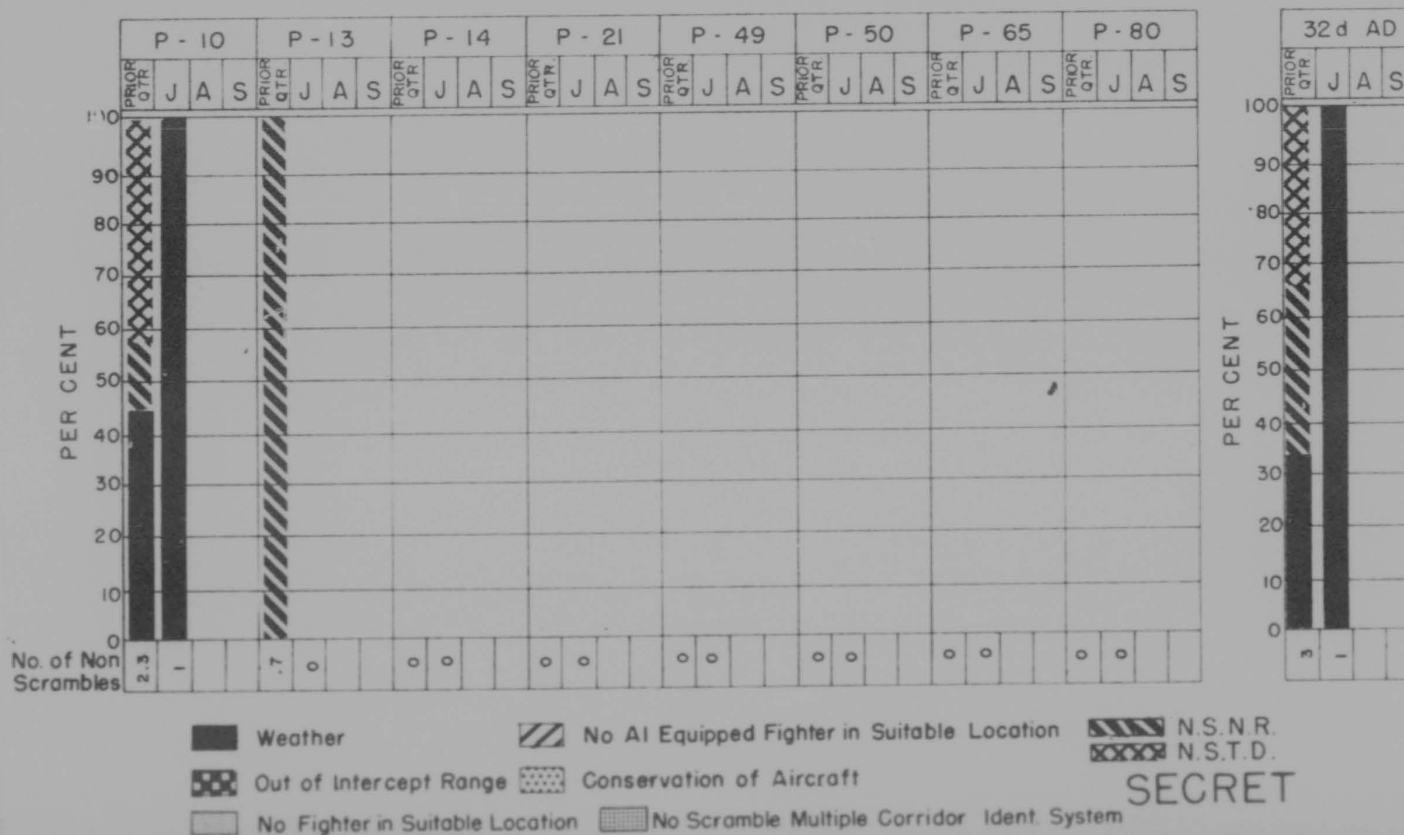
SECRET

0020

SECRET

32d AIR DIVISION (DEF)

REASONS FOR NO SCRAMBLE



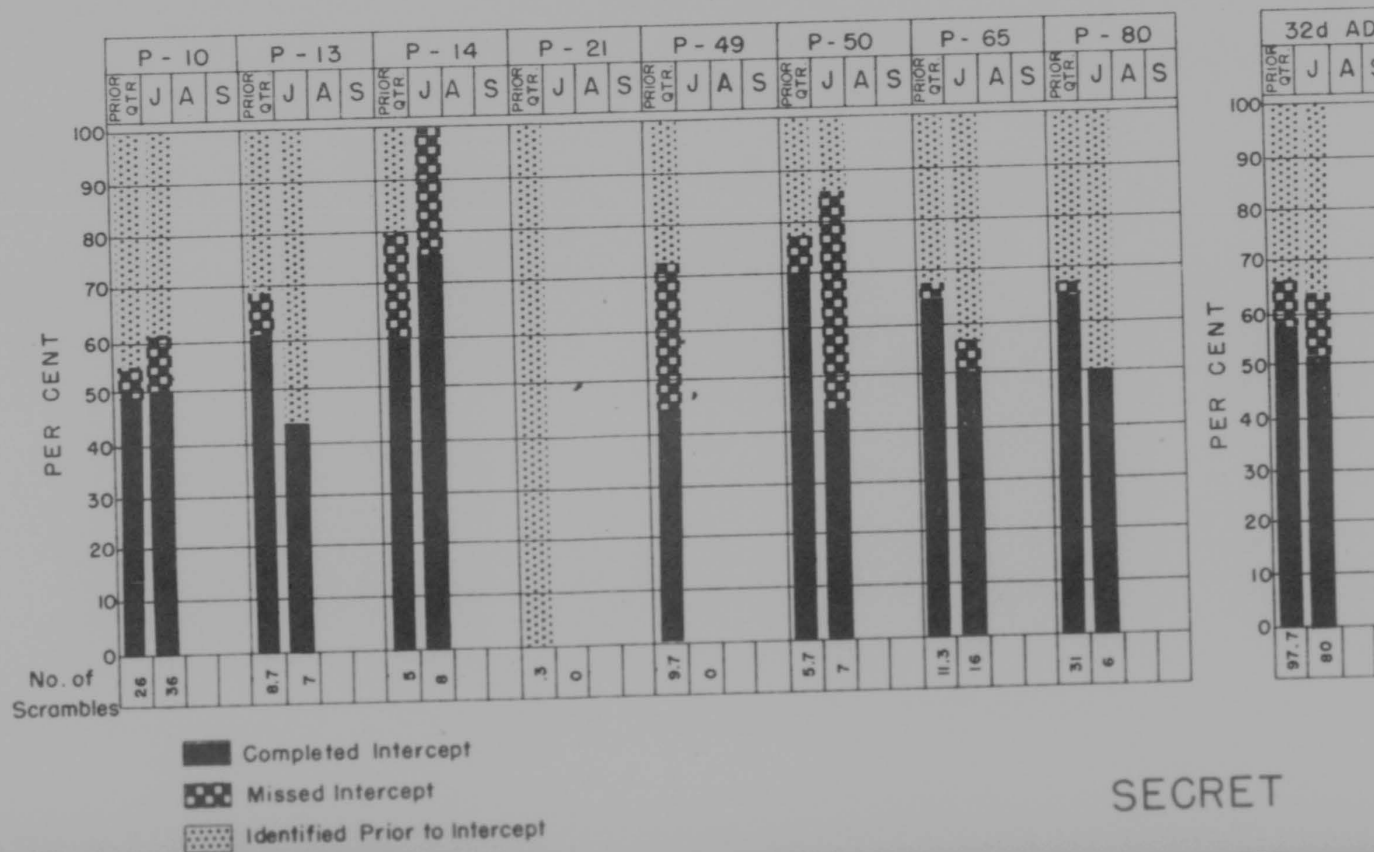
SECRET

0021

SECRET

32d AIR DIVISION (DEF)

INTERCEPT EFFICIENCY



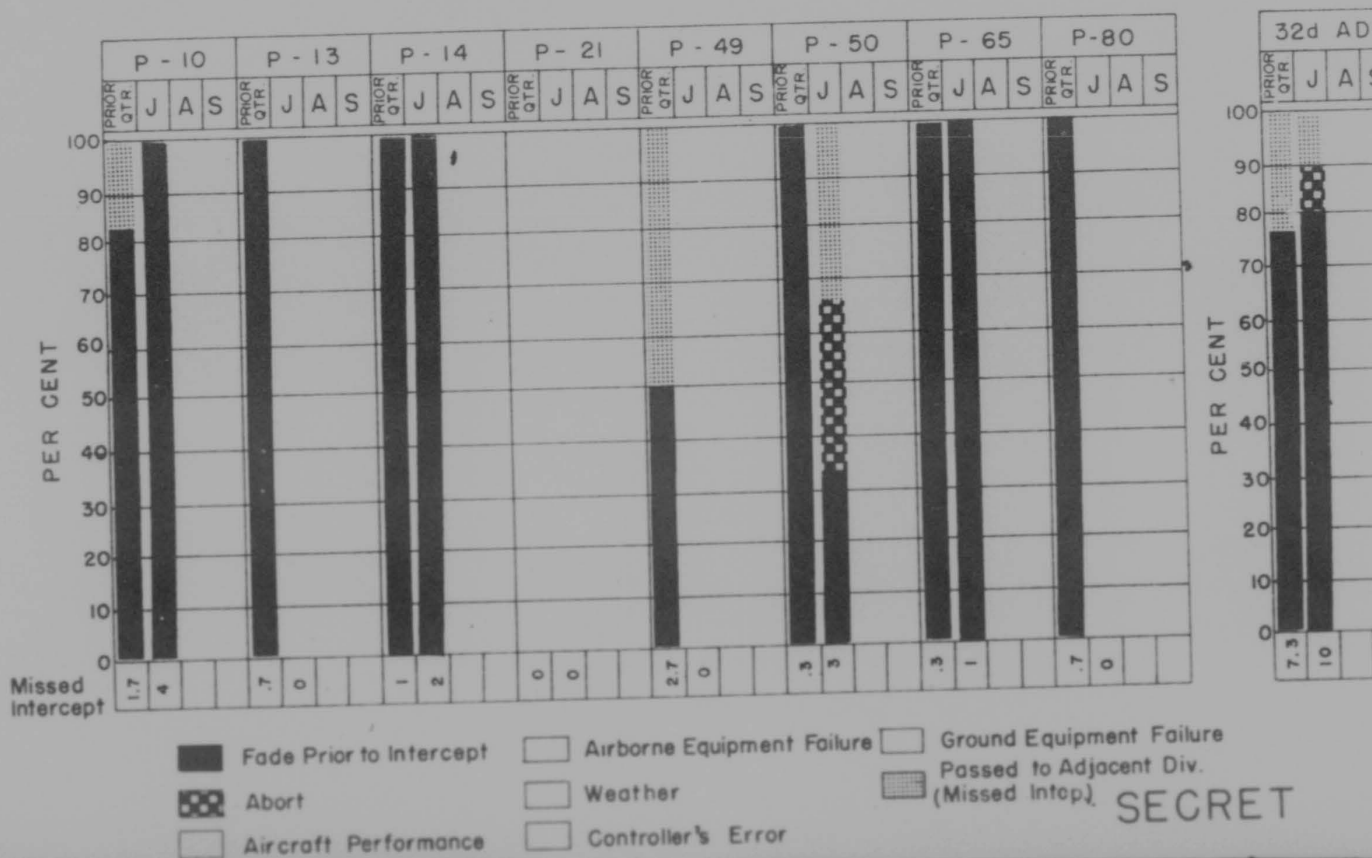
SECRET

0022

SECRET

32d AIR DIVISION (DEF)

REASONS FOR MISSED INTERCEPTS



0023

SECRET

SECRET

DISTRIBUTION

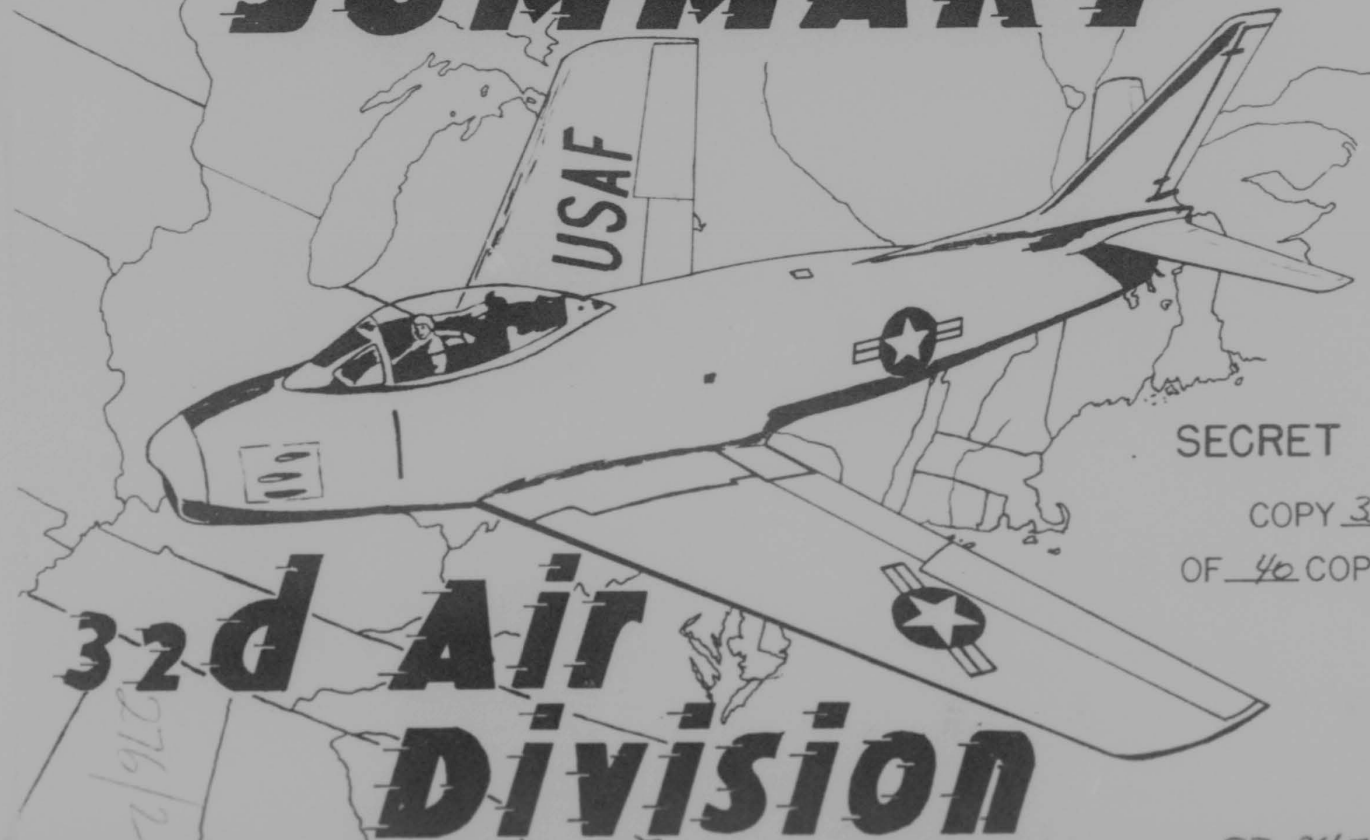
	COPIES
EADF Attn; Opns Analysis	
ESF	
EAAC Attn; Opns Analysis	
CG32d AD (D)	12
CO 4707th Def Wg	
CO 4711th Def Wg	
CO 517th Air Def Gp	
CO 518th Air Def Gp	
CO 528th Air Def Gp	
CO 564th Air Def Gp	
CO 654th AC&W Sq	
CO 655th AC&W Sq	
CO 656th AC&W Sq	
CO 762d AC&W Sq	
CO 763rd AC&W Sq	
CO 764th AC&W Sq	
CO 765th AC&W Sq	
CO 766th AC&W Sq	
CO 27th FIS	
CO 37th FIS	
CO 47th FIS	
CO 49th FIS	
CO 318th FIS	
CO 58th FIS	
CO 60th FIS	
CO 82nd FIS	
CO 437th FIS	

SECRET

15

0024

OPERATIONS SUMMARY



0025

SECRET

TABLE OF CONTENTS

	Page
Summary Of Operations	2-3-4
Total Tracks Requiring Identification	5
Flight Plan Correlation	6
Non-Correlation (Mechanical Limitations & Other)	7
Non-Correlation (Mechanical Limitations)	8
Non-Correlation (Other)	9
Identification Effectiveness	10
Scramble Action On Unknowns	11
Reason For No Scramble	12
Intercept Efficiency	13
Reason For Missed Intercept	14
Distribution	15

SECRET

0026

SECRET

This document contains information affecting the United States within the meaning of the Espionage Laws, Title 18 U.S. C., Section 793 and 794. Its transmission or the revelation of the contents in any manner to an unauthorized person is prohibited by law. Reproduction of the contents is authorized provided security required by AF Regulation 205-1 is maintained.

In the event any information contained herein is extracted or the Publication is reproduced in any way, the source of the information should be indicated.

PREPARED BY
OFFICE OF THE COMPTROLLER
FOR DEPUTY OF OPERATIONS
32d AIR DIVISION (DEFENSE)

SECRET

0027

SECRET

SUMMARY OF AIR DEFENSE OPERATIONS
1 - 31 AUGUST 1955

	P-10	P-13	P-14	P-21	P-49	P-50	P-65	P-80	32d AD
1. PENETRATION TRACKS	191	410	1314	Neg	342	14	2618	754	5643
2. WORKLOAD TRACKS	2115	2010	378	Neg.	276	1073	3402	2017	11,271
3. GOC TRACKS									
a. TRACKS RECEIVED	120	456	1034	615	334	724	1372	—	4655
b. TRACKS CORRELATED	87	355	995	171	190	569	1163	—	3530
4. NUMBER OF UNKNOWN TRKS	37	3	1	1	1	3	13	19	78
5. SCR ACTION INITIATED	36	2	1	1	1	3	12	18	74
6. NO SCR ACTION INITIATED	1	1	—	—	—	—	1	1	4
7. NUMBER OF INTERCEPT	20	—	—	1	1	2	8	15	47
8. NUMBER OF MISSED INTCP	1	1	—	—	—	—	—	—	2
9. IDENT PRIOR TO INTERCEPT	15	1	1	—	—	1	4	3	25
10. IDENT AFTER MISSED INTCP	—	—	—	—	—	—	—	—	—
11. IDENT W/O SCR INITIATED	1	1	—	—	—	—	1	1	4
12. REMAINED UNKNOWN	1	1	—	—	—	—	—	—	2
13. INTERCEPT EFFECT %	56	0	0	100	100	67	67	83	64
14. IDENT EFFECT %	97	67	100	100	100	100	100	100	97
15. * TRUE INTCP EFFECT %	95	0	0	100	100	100	100	100	96
16. FLIGHT PLANS RECEIVED	191	2427	1427	Neg.	625	n/a	2670	752	8092
17. FLT. PLANS CORR.	190	2385	1299	Neg.	471	n/a	2607	726	7678
18. CORRELATION %	99	98	91	Neg.	75	n/a	98	96	95

REMARKS:

* Intercept Figures Preceded By Asterick Is Determined By Intercepts
Divided By Total Of Scramble Less Identification Prior To Intercepts

SECRET

0028

SECRET

32D AIR DIVISION (DEF)
SUMMARY OF AIR DEFENSE OPERATIONS

1-31 AUGUST 1955

18 REASON FOR NO SCRAMBLE ACTION	P-10	P-13	P-14	P-21	P-49	P-50	P-65	P-80	32AD
a. NO SCRAMBLE NOT REQUIRED (NSNR)			—	—	—	—			4
b. WEATHER (WX)	—	—	—	—	—	—	—	—	—
c. OUT OF INTERCEPT RANGE (OR)	—	—	—	—	—	—	—	—	—
d. NO AI EQPD FTR IN SUITABLE LOCATION (NAIF)	—	—	—	—	—	—	—	—	—
e. NO SCRAMBLE TAC DECISION (NSTD)	—	—	—	—	—	—	—	—	—
f. NO SCRAMBLE MULTIPLE CORR. IDENT. SYSTEM	—	—	—	—	—	—	—	—	—
19. REASON FOR MISSED INTERCEPTS	—	—	—	—	—	—	—	—	—
a. WEATHER (WX)	—		—	—	—	—	—	—	
b. LATE SCRAMBLE (LS)	—	—	—	—	—	—	—	—	—
c. AIRBORNE EQUIPMENT FAILURE (AEF)	—	—	—	—	—	—	—	—	—
d. DARKNESS (DK)	—	—	—	—	—	—	—	—	—
e. ELECTRONICS COUNTERMEASURES (ECM)	—	—	—	—	—	—	—	—	—
f. ABORT (ABT)	—	—	—	—	—	—	—	—	—
g. PERSONNEL ERROR (PE)	—	—	—	—	—	—	—	—	—
h. GROUND EQUIPMENT FAILURE (GEF)	—	—	—	—	—	—	—	—	—
i. AIRCRAFT PERFORMANCE (ACP)	—	—	—	—	—	—	—	—	—
j. FADE PRIOR TO INTERCEPT (FPI)	—	—	—	—	—	—	—	—	—
k. PASSED TO 26th AD (DEF)		—	—	—	—	—	—	—	

REMARKS

SECRET

3

0029

SECRET

32d AIR DIVISION FLIGHT PLAN CORRELATION
1-31 AUGUST 1955

	P-10	P-13	P-14	P-21	P-49	P-50	P-65	P-80	32d AD
FLIGHT PLANS RECEIVED	191	2427	1427	Neg.	625	n/a	2670	752	8092
FLIGHT PLANS CORRELATED	190	2385	1299	Neg.	741	n/a	2607	726	7678
FLIGHT PLANS NOT CORR.	1	42	128	Neg.	154	n/a	63	26	414
REASONS FOR NON CORRELATION (Mechanical Limitations)									
1. SCHEDULED MAINTENANCE	1	16	9	—	118	—	13	5	162
2. EMERGENCY MAINTENANCE	—	—	4	—	1	—	1	—	6
3. OUT OF CALIBRATION LIMITS	—	12	62	—	9	—	11	4	98
5. GROUND CLUTTER	—	5	1	—	6	—	4	—	16
9. OTHER *	—	4	37	—	11	—	22	1	75
TOTAL	1	37	113	—	145	—	51	10	357
(Other than Mechanical Limitations)									
4. WEATHER	—	3	9	—	1	—	4	5	22
6. LATE FLIGHT PLAN	—	—	2	—	1	—	—	7	10
7. DEVIATED FLIGHT PLAN	—	1	—	—	2	—	7	3	13
8. PERSONNEL ERROR	—	1	4	—	5	—	1	1	12
TOTAL	0	5	15	—	9	—	12	16	57
GRAND TOTAL	1	42	128	—	154	—	63	26	414

* Most Common Reason For No. 9

(SECRET) when filled in

SECRET

0030

SECRET

32d AIR DIVISION (DEF)

TOTAL TRACKS REQUIRING IDENTIFICATION



SECRET

0031

SECRET

32d AIR DIVISION (DEF)

FLIGHT PLAN CORRELATION



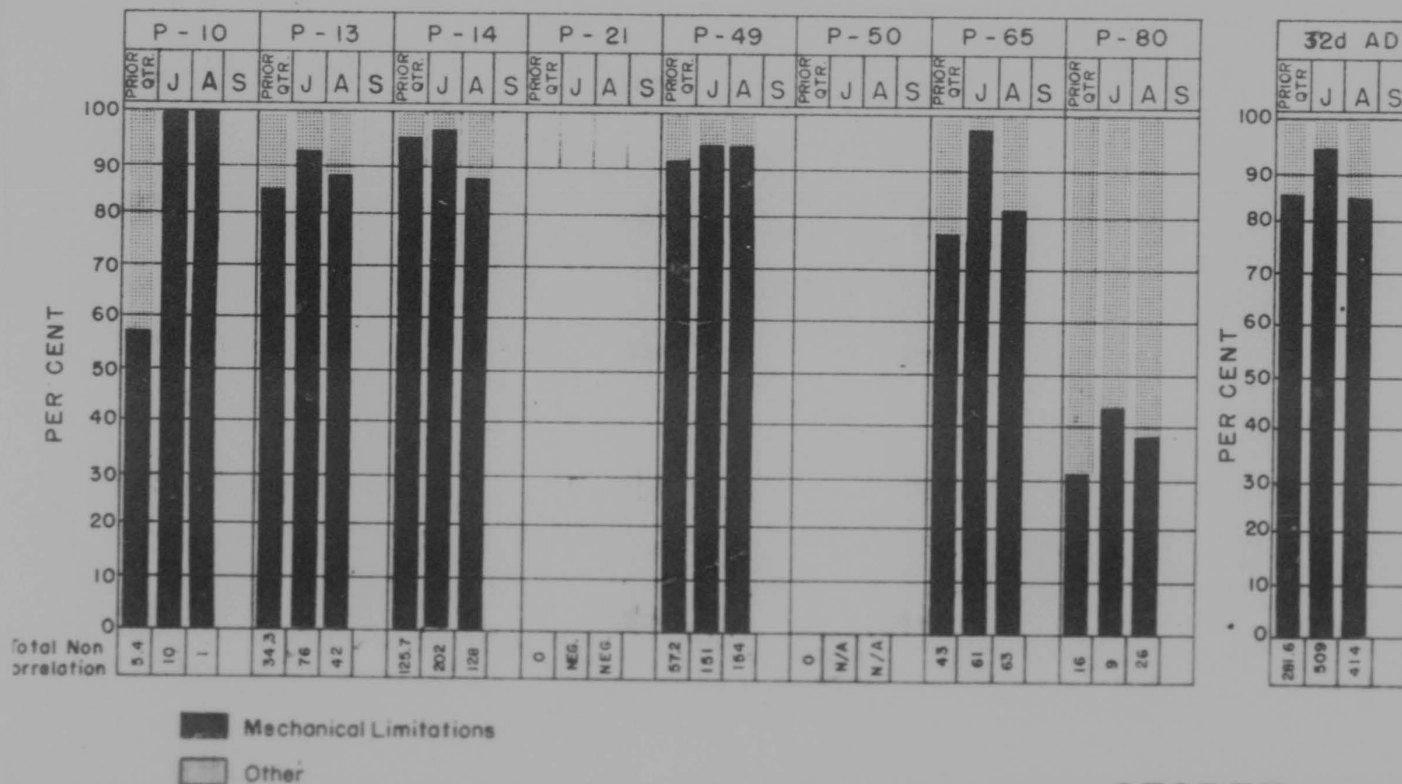
SECRET

0032

SECRET

32d AIR DIVISION (DEF)

NON - CORRELATIONS



SECRET

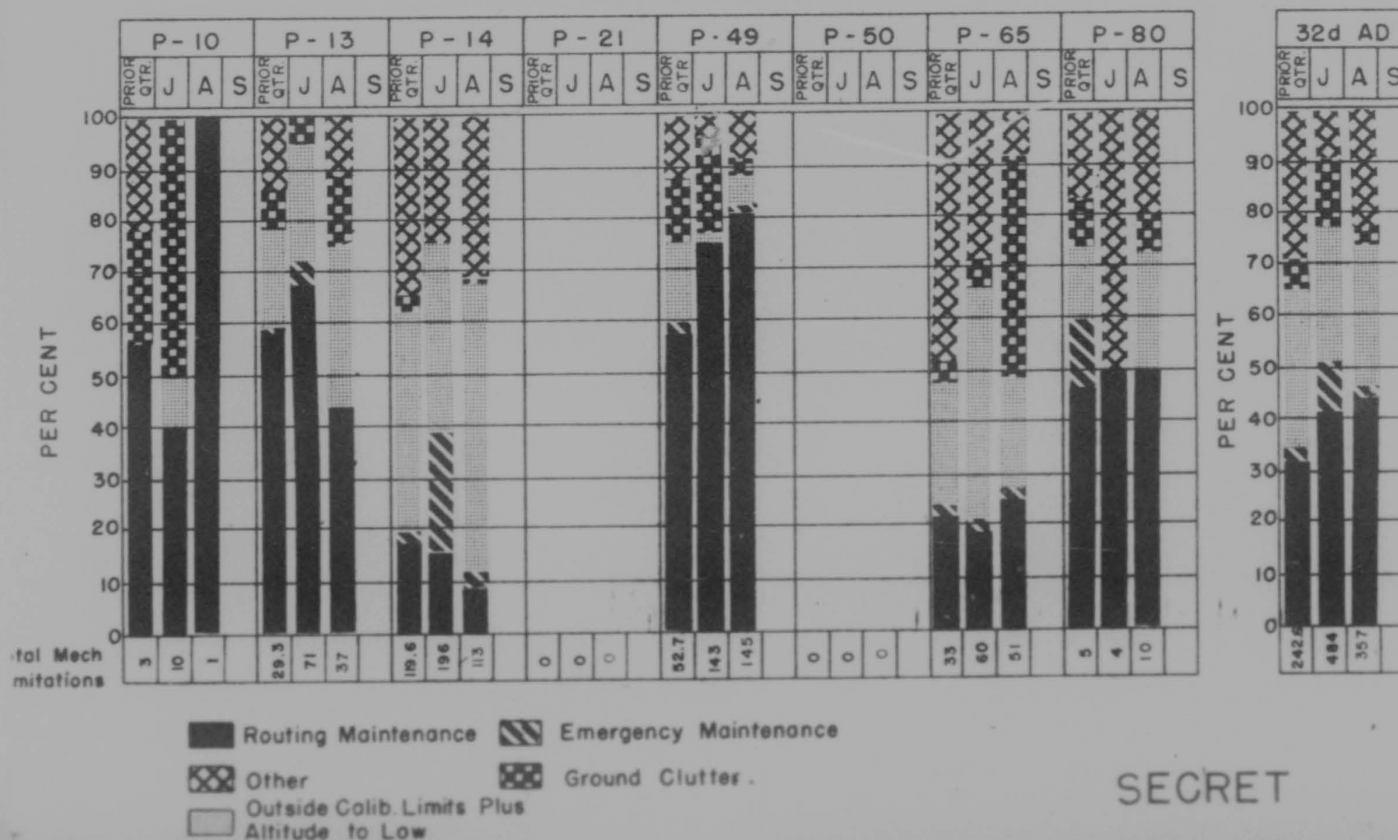
0033

SECRET

32d AIR DIVISION (DEF)

NON-CORRELATIONS

(Mechanical Limitations)



SECRET

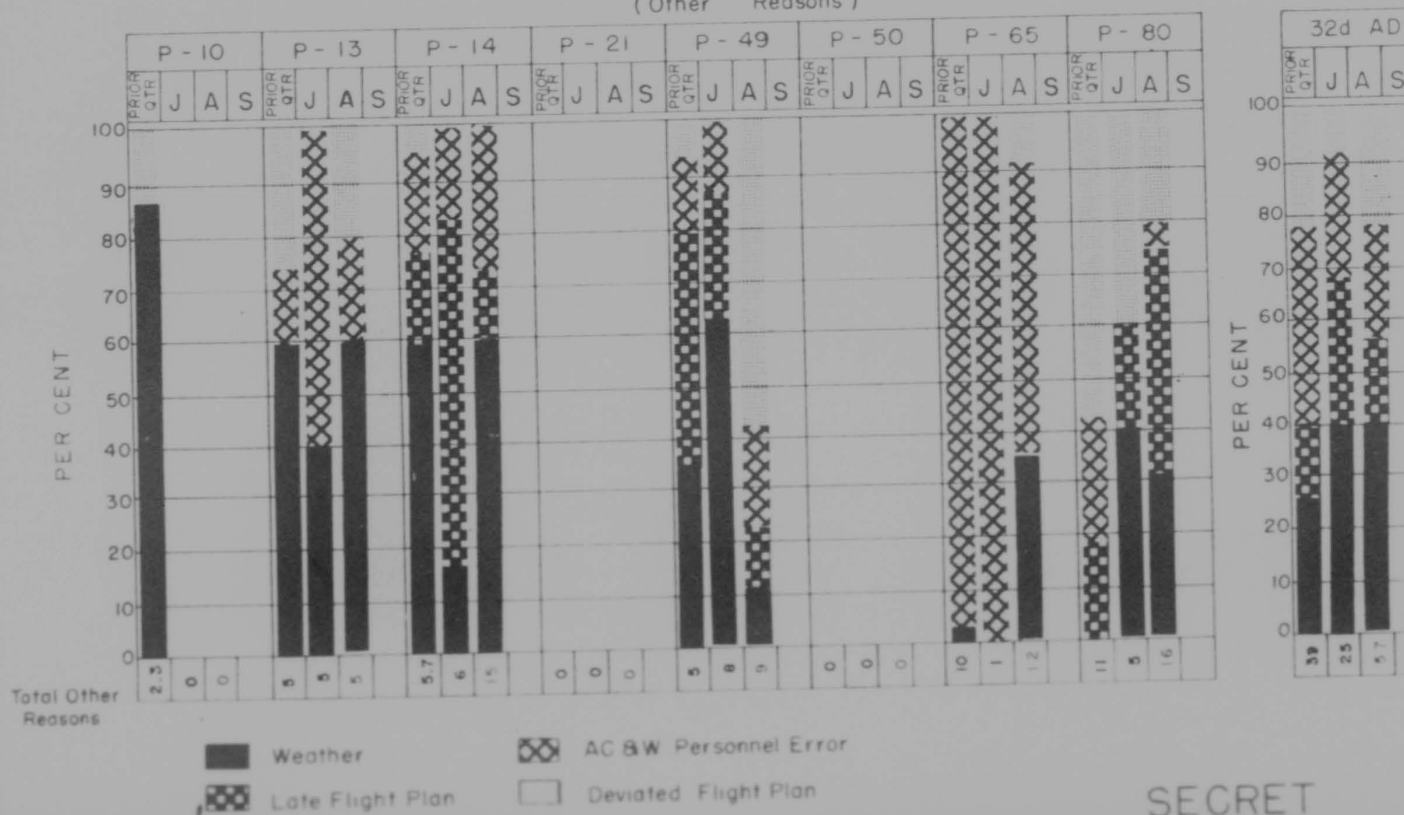
0034

SECRET

32d AIR DIVISION (DEF)

NON-CORRELATIONS

(Other Reasons)



SECRET

0035

SECRET

32d AIR DIVISION (DEF)

IDENTIFICATION EFFECTIVENESS



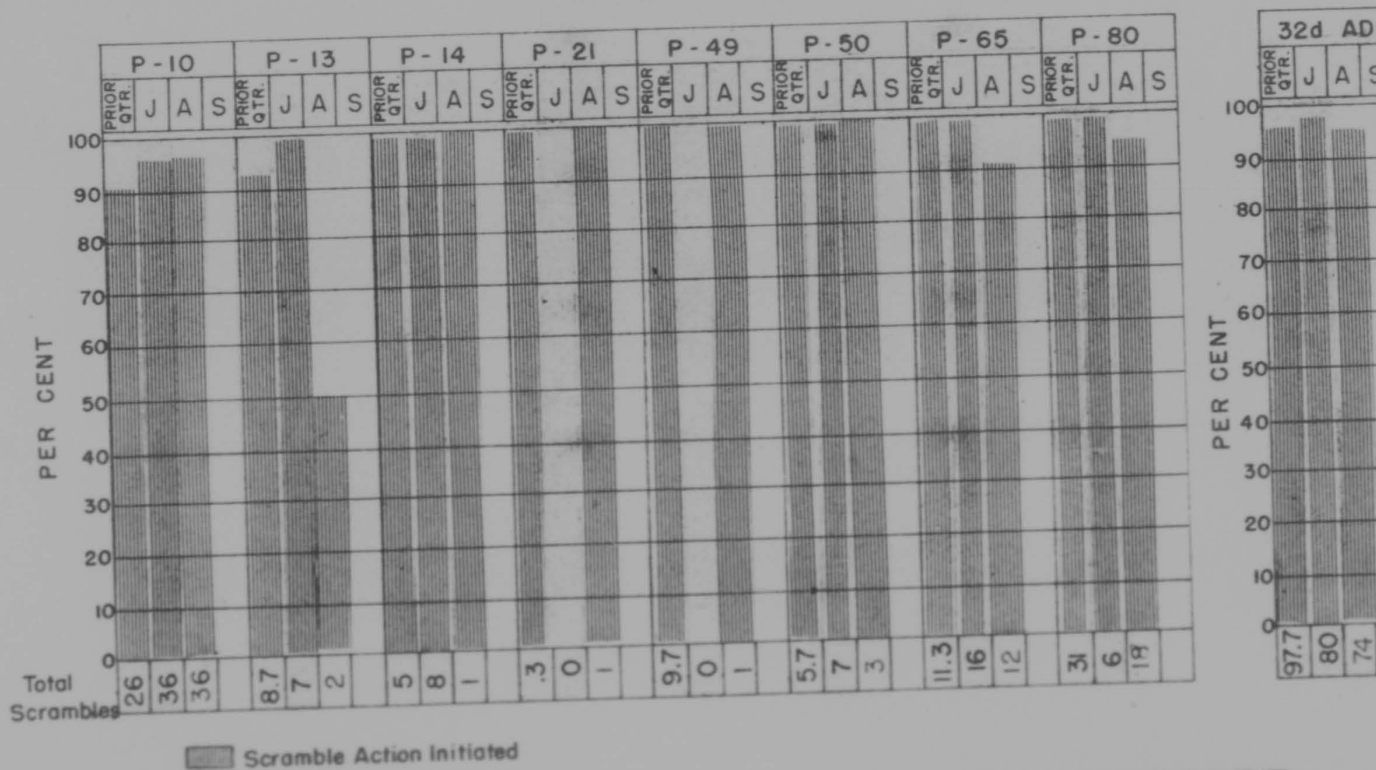
SECRET

0036

SECRET

32d AIR DIVISION (DEF)

SCRAMBLE ACTION



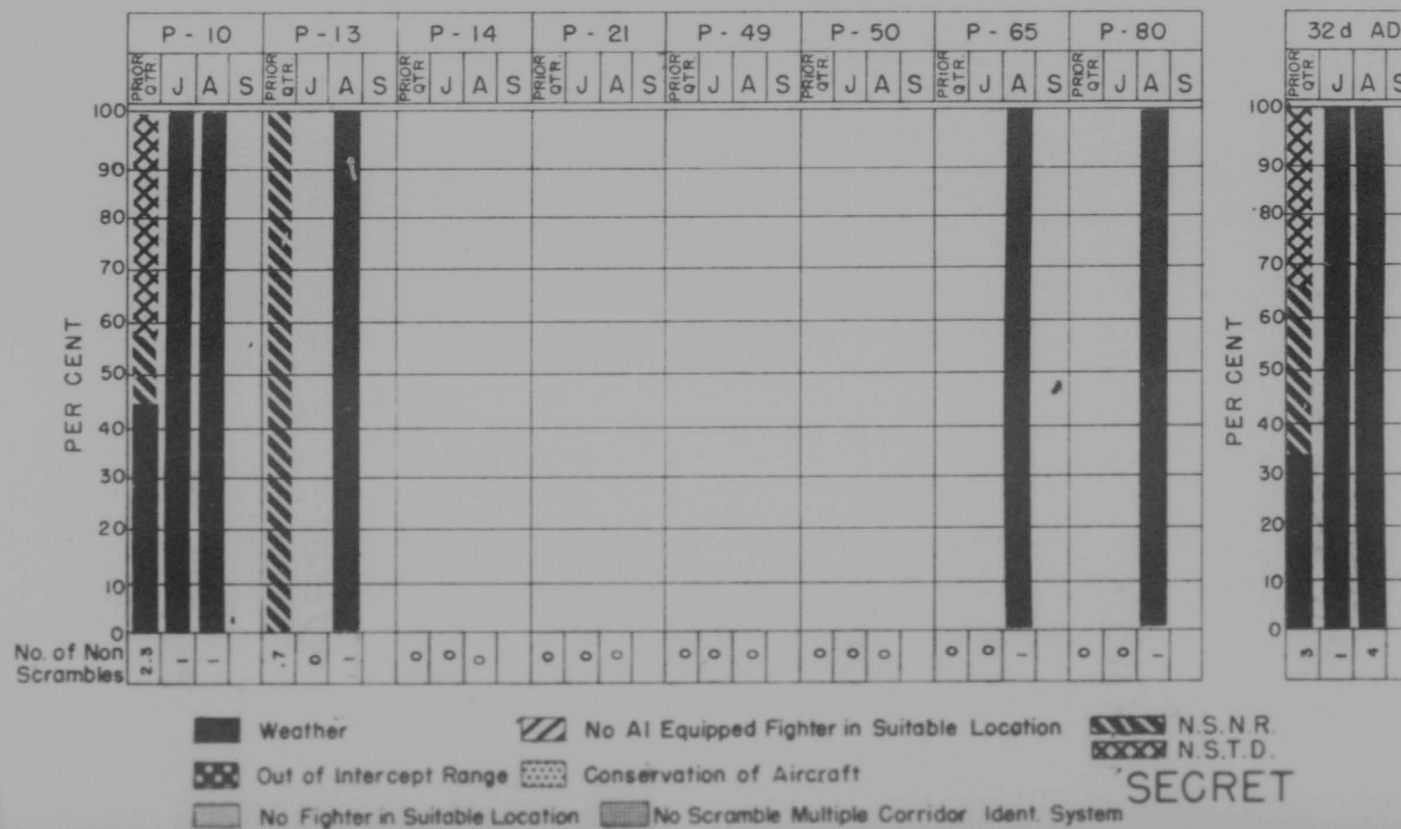
SECRET

0037

SECRET

32d AIR DIVISION (DEF)

REASONS FOR NO SCRAMBLE



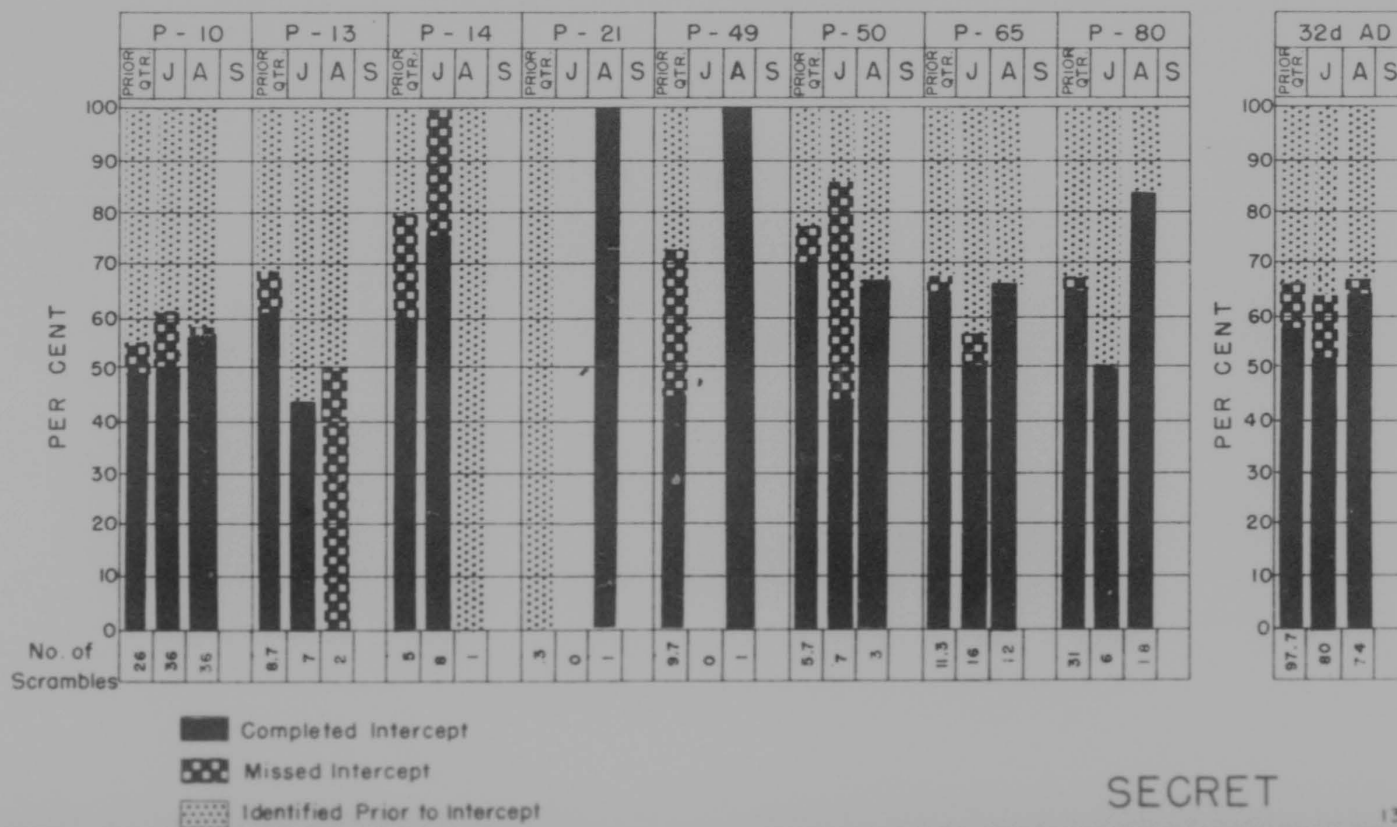
SECRET

0038

SECRET

32d AIR DIVISION (DEF)

INTERCEPT EFFICIENCY



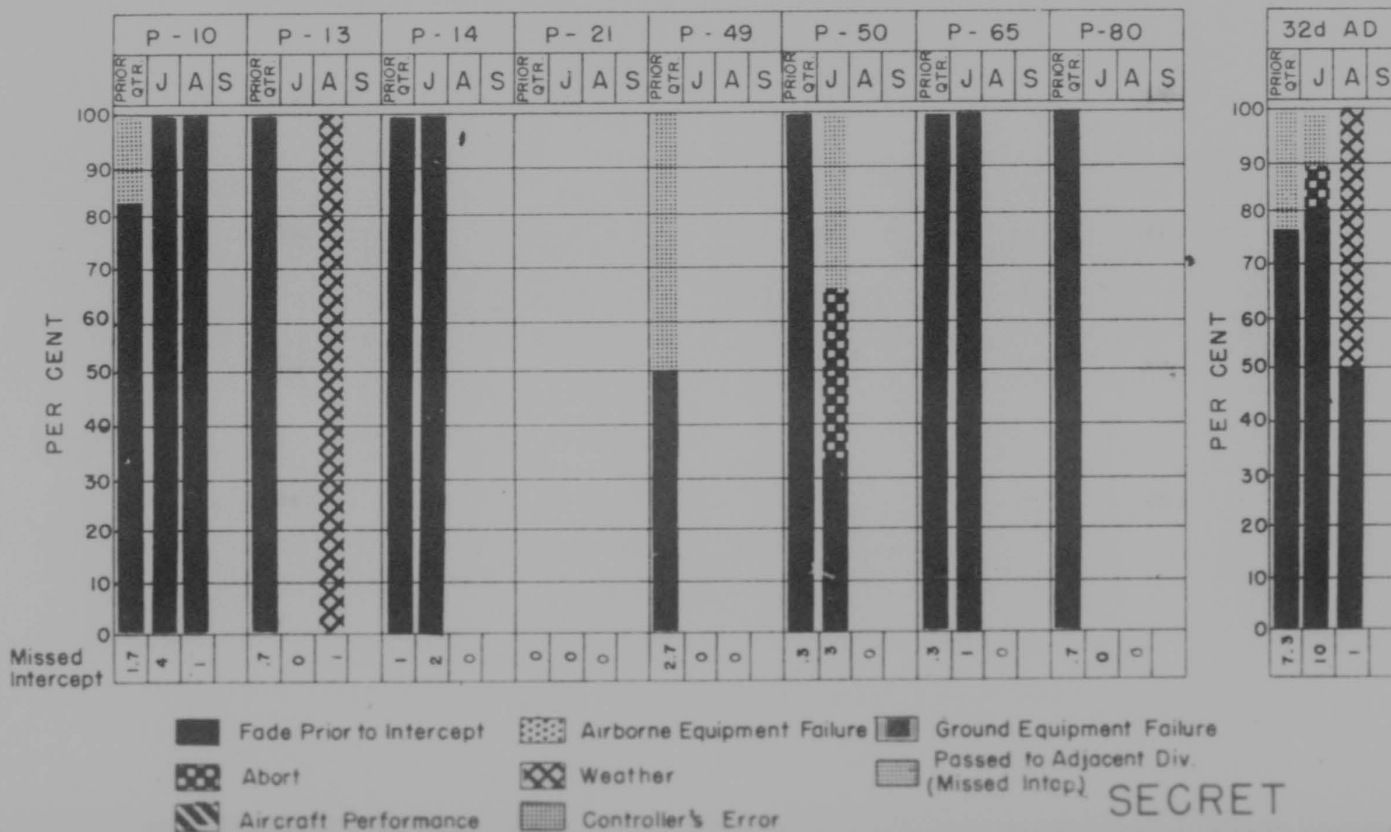
SECRET

0039

SECRET

32d AIR DIVISION (DEF)

REASONS FOR MISSED INTERCEPTS



SECRET

0040

SECRET

DISTRIBUTION

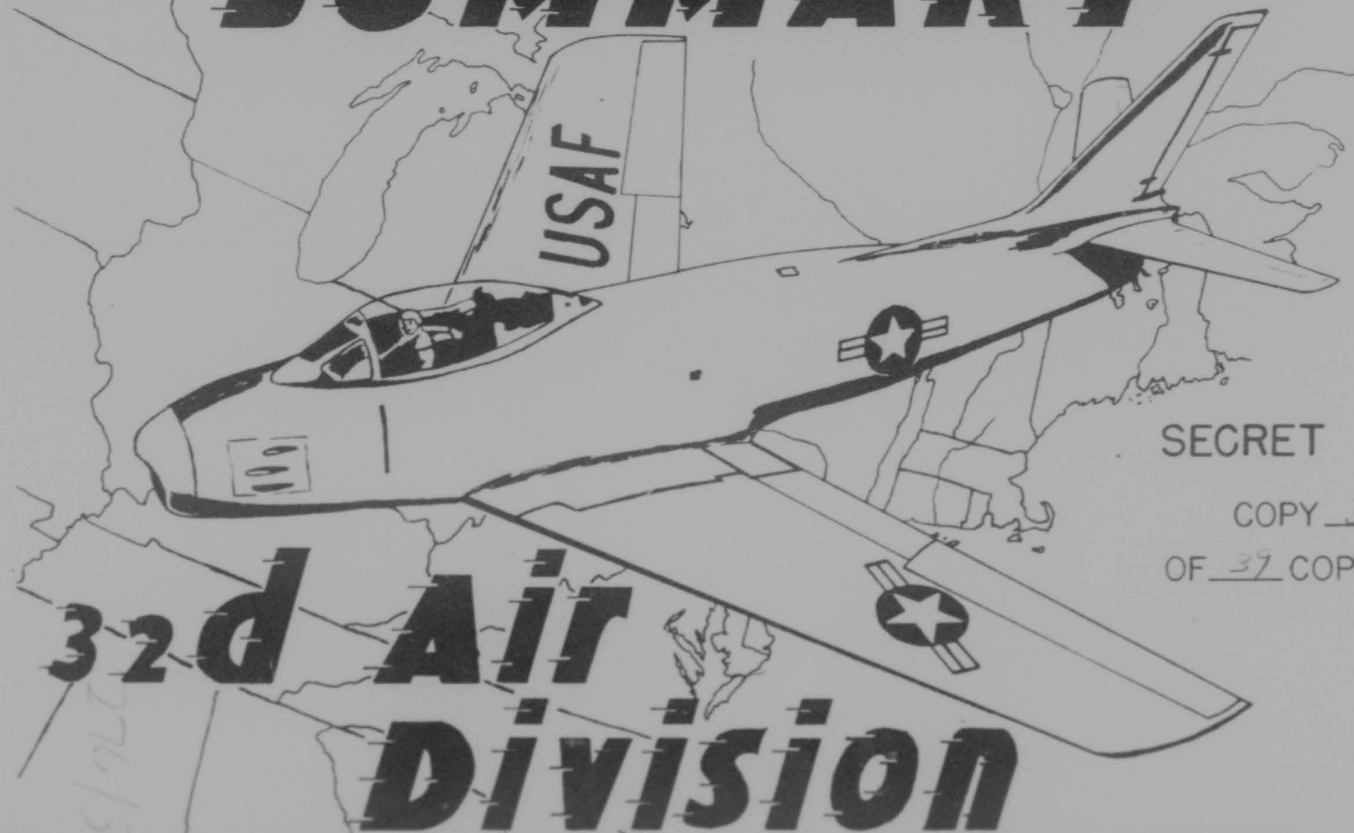
COPIES

EADF Attn; Opns Analysis	
ESF	
EAAC Attn; Opns Analysis	
CG32d AD (D)	12
CO 4707th Def Wg	
CO 4711th Def Wg	
CO 517th Air Def Gp	
CO 518th Air Def Gp	
CO 528th Air Def Gp	
CO 564th Air Def Gp	
CO 654th AC&W Sq	
CO 655th AC&W Sq	
CO 656th AC&W Sq	
CO 762d AC&W Sq	
CO 763rd AC&W Sq	
CO 764th AC&W Sq	
CO 765th AC&W Sq	
CO 766th AC&W Sq	
CO 27th FIS	
CO 37th FIS	
CO 47th FIS	
CO 49th FIS	
CO 318th FIS	
CO 58th FIS	
CO 60th FIS	
CO 82nd FIS	
CO 437th FIS	

SECRET

0041

OPERATIONS SUMMARY



SECRET

COPY 35
OF 37 COPIES

**32d Air
Division**

55-3815

0042

SECRET

TABLE OF CONTENTS

	Page
Summary Of Operations	2-3-4
Total Tracks Requiring Identification	5
Flight Plan Correlation	6
Non-Correlation (Mechanical Limitations & Other)	7
Non-Correlation (Mechanical Limitations)	8
Non-Correlation (Other)	9
Identification Effectiveness	10
Scramble Action On Unknowns	11
Reason For No Scramble	12
Intercept Efficiency	13
Reason For Missed Intercept	14
Distribution	15

SECRET

0043

SECRET

This document contains information affecting the United States within the meaning of the Espionage Laws, Title 18 U.S. C., Section 793 and 794. Its transmission or the revelation of the contents in any manner to an unauthorized person is prohibited by law. Reproduction of the contents is authorized provided security required by AF Regulation 205-1 is maintained.

In the event any information contained herein is extracted or the Publication is reproduced in any way, the source of the information should be indicated.

PREPARED BY
OFFICE OF THE COMPTROLLER
FOR DEPUTY OF OPERATIONS
32d AIR DIVISION (DEFENSE)

SECRET

0044

SECRET

SUMMARY OF AIR DEFENSE OPERATIONS
1 - 30 SEPTEMBER 1955

	P-10	P-13	P-14	P-21	P-49	P-50	P-65	P-80	32d AD
1. PENETRATION TRACKS	196	374	1380	NEG	358	9	8497	905	11719
2. WORKLOAD TRACKS	2064	1952	444	NEG	1174	1140	4535	2165	13476
3. GOC TRACKS									
a. TRACKS RECEIVED	105	514	954	502	341	637	1078		4131
b. TRACKS CORRELATED	61	421	935	219	221	487	947		3291
4. NUMBER OF UNKNOWN TRKS	57	6	2		8	1	6	11	91
5. SCR ACTION INITIATED	55	6	2		8	1	6	11	89
6. NO SCR ACTION INITIATED	2								2
7. NUMBER OF INTERCEPT	44	3	1		6	1	3	7	65
8. NUMBER OF MISSED INTCP	5				2		1		8
9. IDENT PRIOR TO INTERCEPT	6	3	1				2	4	16
10. IDENT AFTER MISSED INTCP									
11. IDENT W/O SCR INITIATED	2								2
12. REMAINED UNKNOWN	5				2		1		8
13. INTERCEPT EFFECT %	80	50	50		75	100	50	64	73
14. IDENT EFFECT %	91	100	100		75	100	83	100	94
15. * TRUE INTCP EFFECT %	90	100	100		75	100	75	100	89
16. FLIGHT PLANS RECEIVED	196	2335	1465	NEG	745	N/A	2467	894	8101
17. FLT. PLANS CORR.	196	2288	1372	NEG	649	N/A	2412	877	7794
18. CORRELATION %	100	98	94	NEG	87	N/A	98	98	96

REMARKS:

*Intercept Figures Preceded By Asterick Is Determined By Intercepts
Divided By Total Of Scramble Less Identification Prior To Intercepts

SECRET

0045

SECRET

32D AIR DIVISION (DEF)
SUMMARY OF AIR DEFENSE OPERATIONS

1-30 SEPTEMBER 1955

18	REASON FOR NO SCRAMBLE ACTION	P-10	P-13	P-14	P-21	P-49	P-50	P-65	P-80	32AD
a.	NO SCRAMBLE NOT REQUIRED (NSNR)	-	-	-	-	-	-	-	-	-
b.	WEATHER (WX)	-	-	-	-	-	-	-	-	-
c.	OUT OF INTERCEPT RANGE (OR)	-	-	-	-	-	-	-	-	-
d.	NO AI EQPD FTR IN SUITABLE LOCATION (NAIF)	-	-	-	-	-	-	-	-	-
e.	NO SCRAMBLE TAC DECISION (NSTD)	2	-	-	-	-	-	-	-	2
f.	NO SCRAMBLE MULTIPLE CORR.IDENT. SYSTEM	-	-	-	-	-	-	-	-	-
19.	REASON FOR MISSED INTERCEPTS	-	-	-	-	-	-	-	-	-
a.	WEATHER (WX)	-	-	-	-	-	-	-	-	-
b.	LATE SCRAMBLE (LS)	-	-	-	-	-	-	-	-	-
c.	AIRBORNE EQUIPMENT FAILURE (AEF)	-	-	-	-	-	-	-	-	-
d.	DARKNESS (DK)	-	-	-	-	-	-	-	-	-
e.	ELECTRONICS COUNTERMEASURES (ECM)	-	-	-	-	-	-	-	-	-
f.	ABORT (ABT)	-	-	-	-	-	-	-	-	-
g.	PERSONNEL ERROR (PE)	-	-	-	-	-	-	-	-	-
h.	GROUND EQUIPMENT FAILURE (GEF)	-	-	-	-	-	-	-	-	-
i.	AIRCRAFT PERFORMANCE (ACP)	-	-	-	-	-	-	-	-	-
j.	FADE PRIOR TO INTERCEPT (FPI)	4	-	-	-	2	-	1	-	7
k.	PASSED TO 26th AD (DEF)	1	-	-	-	-	-	-	-	1

REMARKS

SECRET

0046

SECRET

32d AIR DIVISION FLIGHT PLAN CORRELATION
1-30 SEPTEMBER 1955

	P-10	P-13	P-14	P-21	P-49	P-50	P-65	P-80	32d AD
FLIGHT PLANS RECEIVED	196	2335	1464	NEG	745	N/A	2467	894	8101
FLIGHT PLANS CORRELATED	196	2288	1372	NEG	649	N/A	2412	877	7794
FLIGHT PLANS NOT CORR.	0	47	92	NEG	96	N/A	55	17	307
REASONS FOR NON CORRELATION (Mechanical Limitations)									
1. SCHEDULED MAINTENANCE	-	14	14	-	53	-	11	2	94
2. EMERGENCY MAINTENANCE	-	-	3	-	2	-	2	-	7
3. OUT OF CALIBRATION LIMITS	-	14	59	-	10	-	15	3	101
5. GROUND CLUTTER	-	-	-	-	10	-	-	-	10
9. OTHER *	-	2	12	-	11	-	25	2	52
TOTAL	-	30	88	-	86	-	53	7	264
(Other than Mechanical Limitations)									
4. WEATHER	-	4	2	-	5	-	2	-	13
6. LATE FLIGHT PLAN	-	-	1	-	3	-	-	6	10
7. DEVIATED FLIGHT PLAN	-	11	-	-	-	-	-	4	15
8. PERSONNEL ERROR	-	2	1	-	2	-	-	-	5
TOTAL	-	17	4	-	10	-	2	10	43
GRAND TOTAL	-	47	92	-	96	-	55	17	307

* Most Common Reason For No 9

(SECRET) when filled in

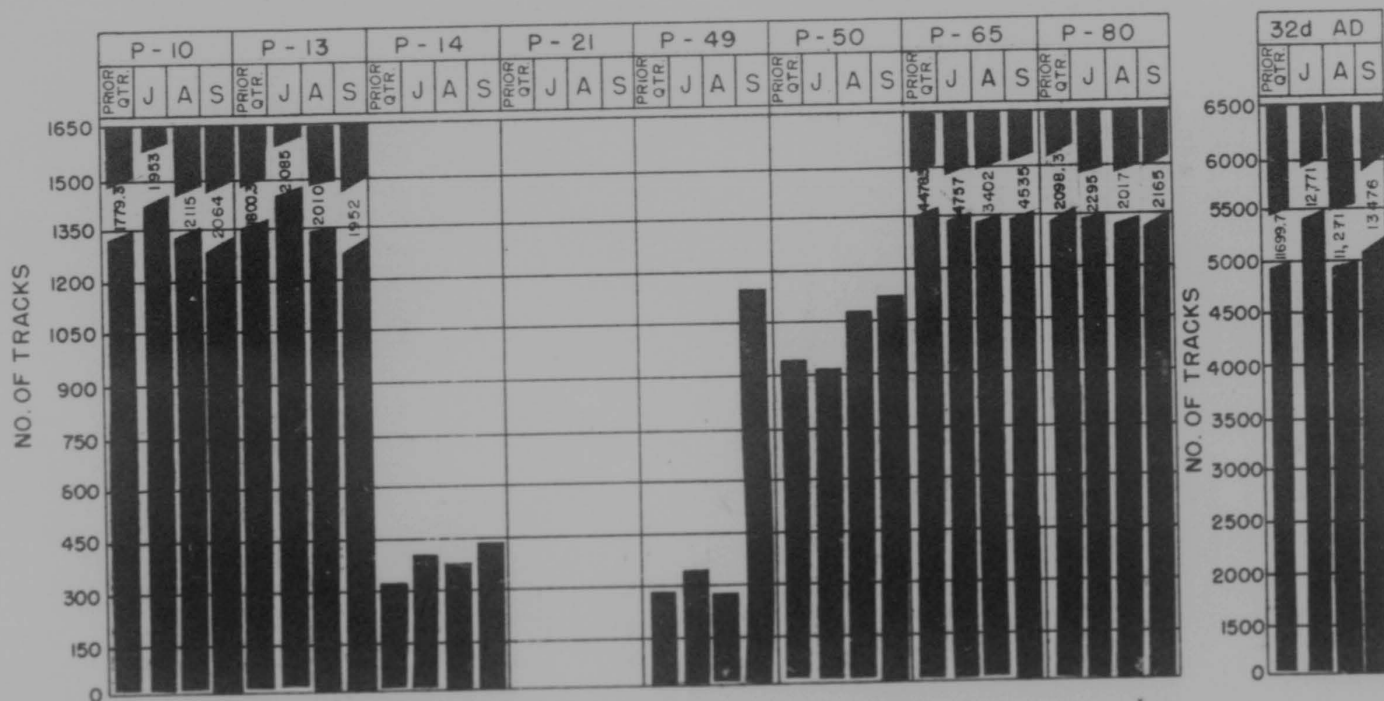
SECRET

0047

SECRET

32d AIR DIVISION (DEF)

TOTAL TRACKS REQUIRING IDENTIFICATION



SECRET

0048

SECRET

32d AIR DIVISION (DEF)

FLIGHT PLAN CORRELATION



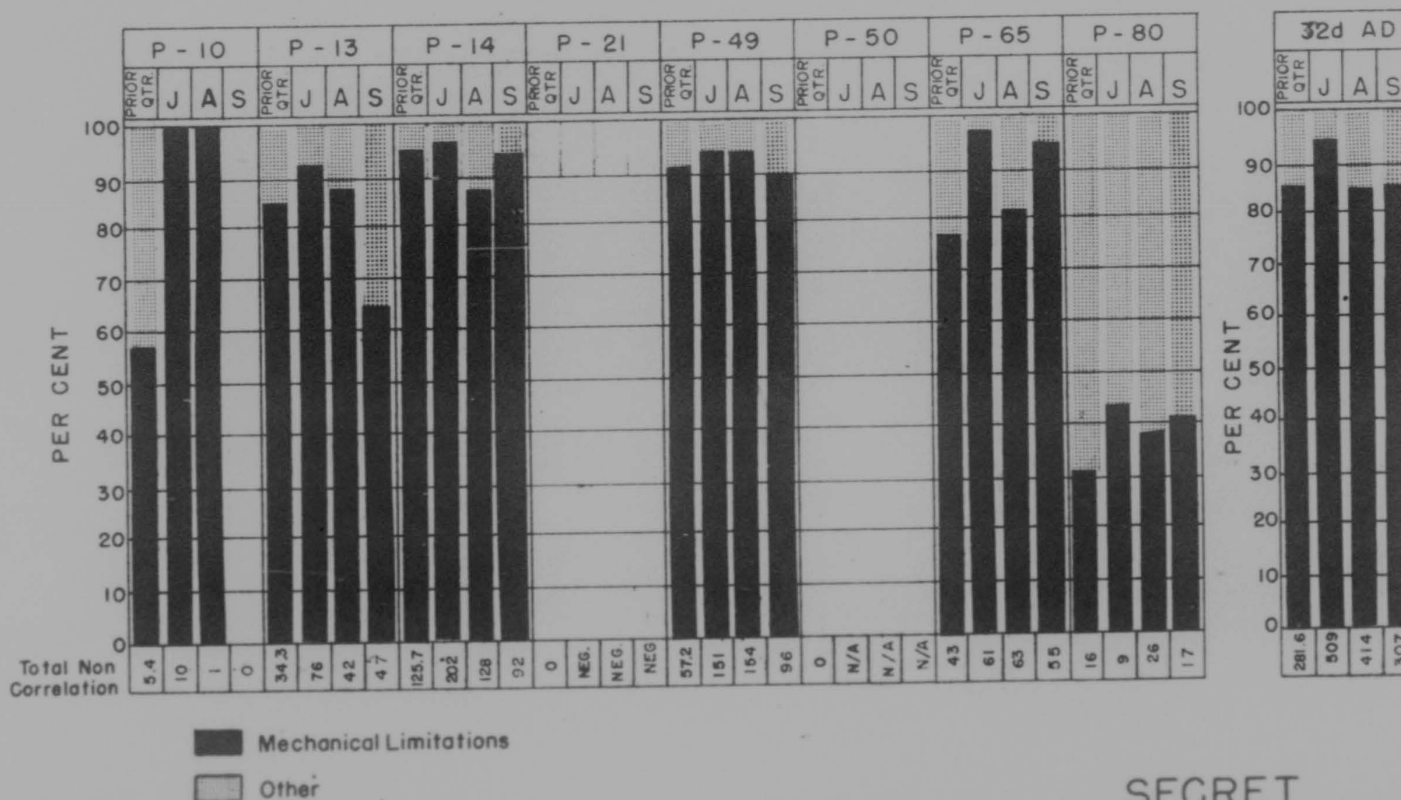
SECRET

0049

SECRET

32d AIR DIVISION (DEF)

NON - CORRELATIONS



SECRET

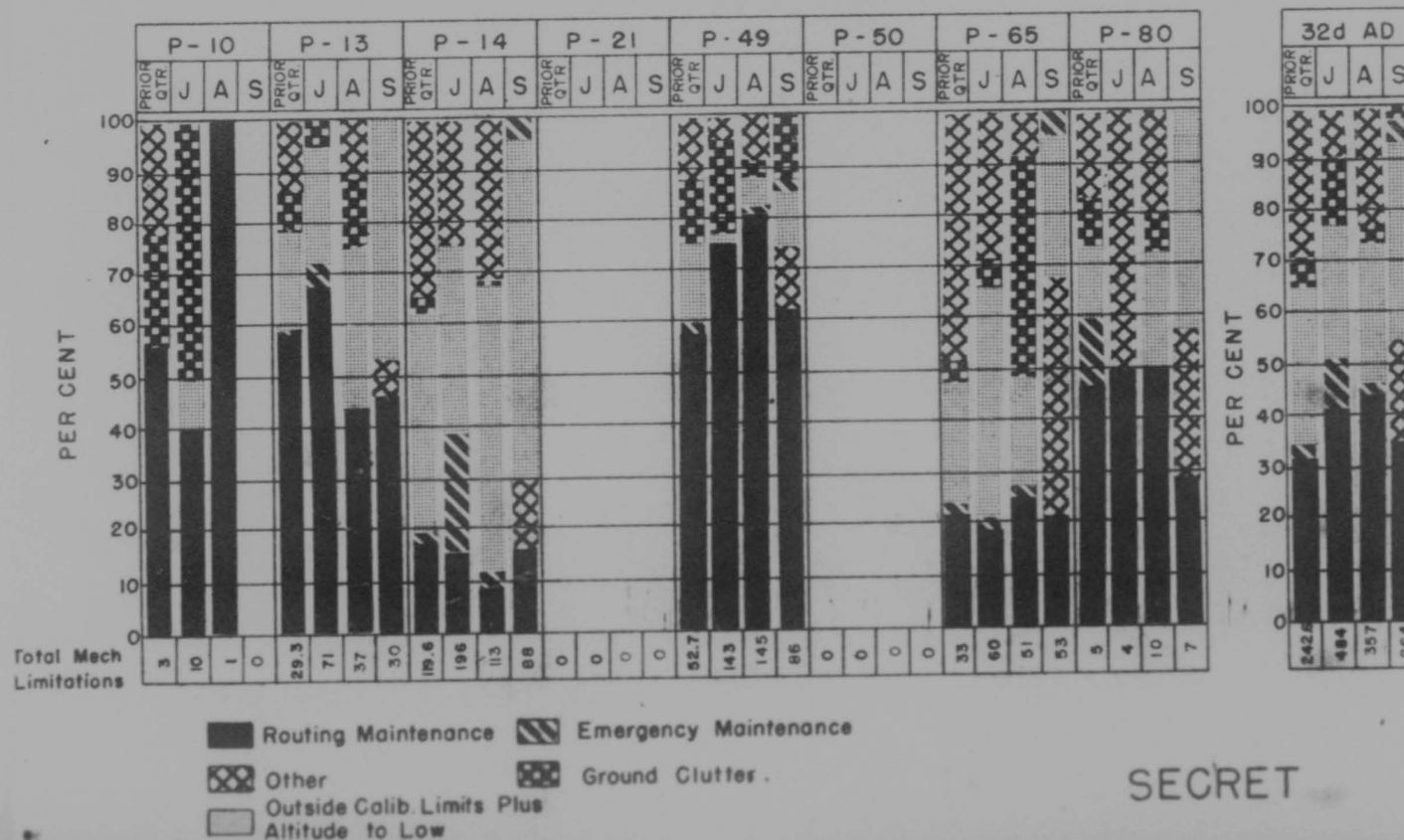
0050

SECRET

32d AIR DIVISION (DEF)

NON-CORRELATIONS

(Mechanical Limitations)



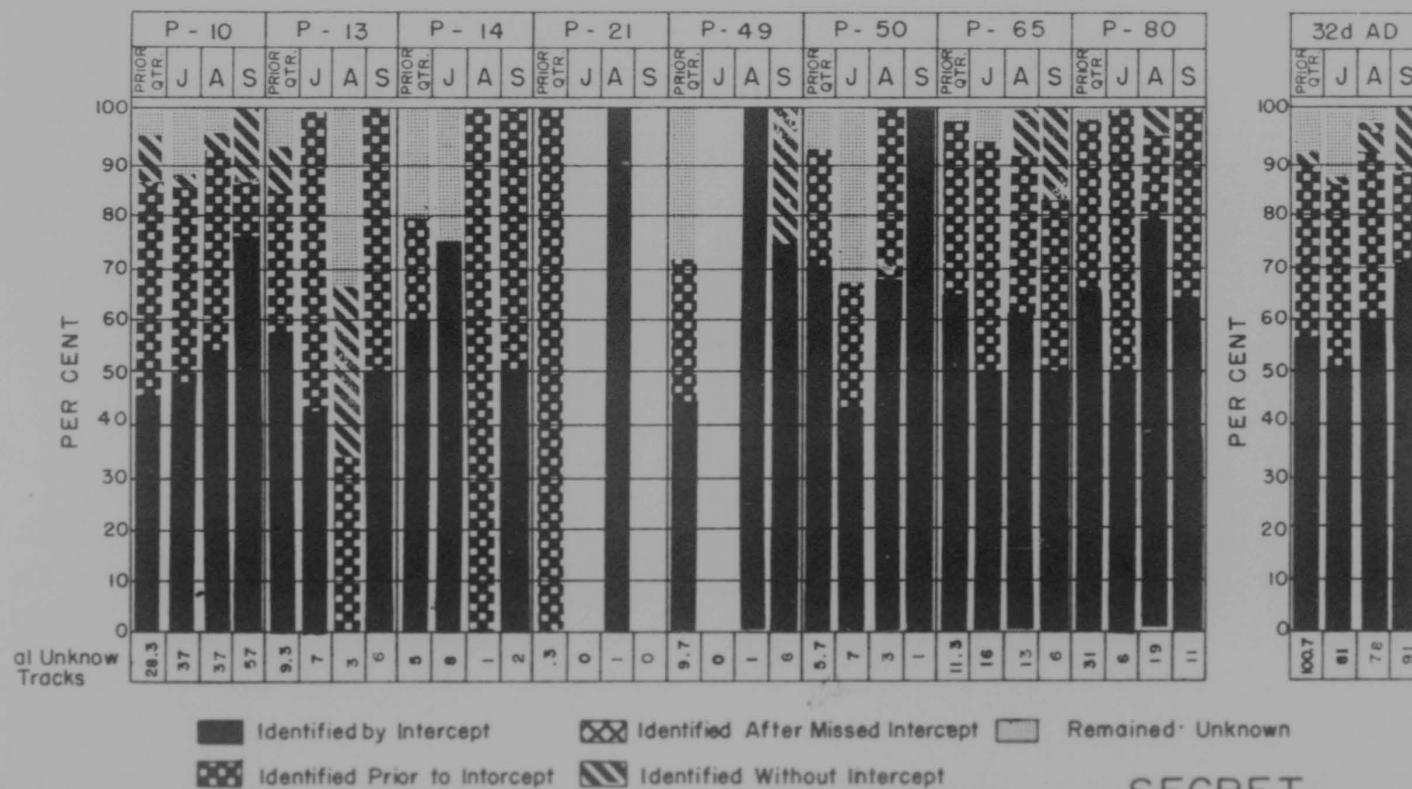
SECRET

0051

SECRET

32d AIR DIVISION (DEF)

IDENTIFICATION EFFECTIVENESS

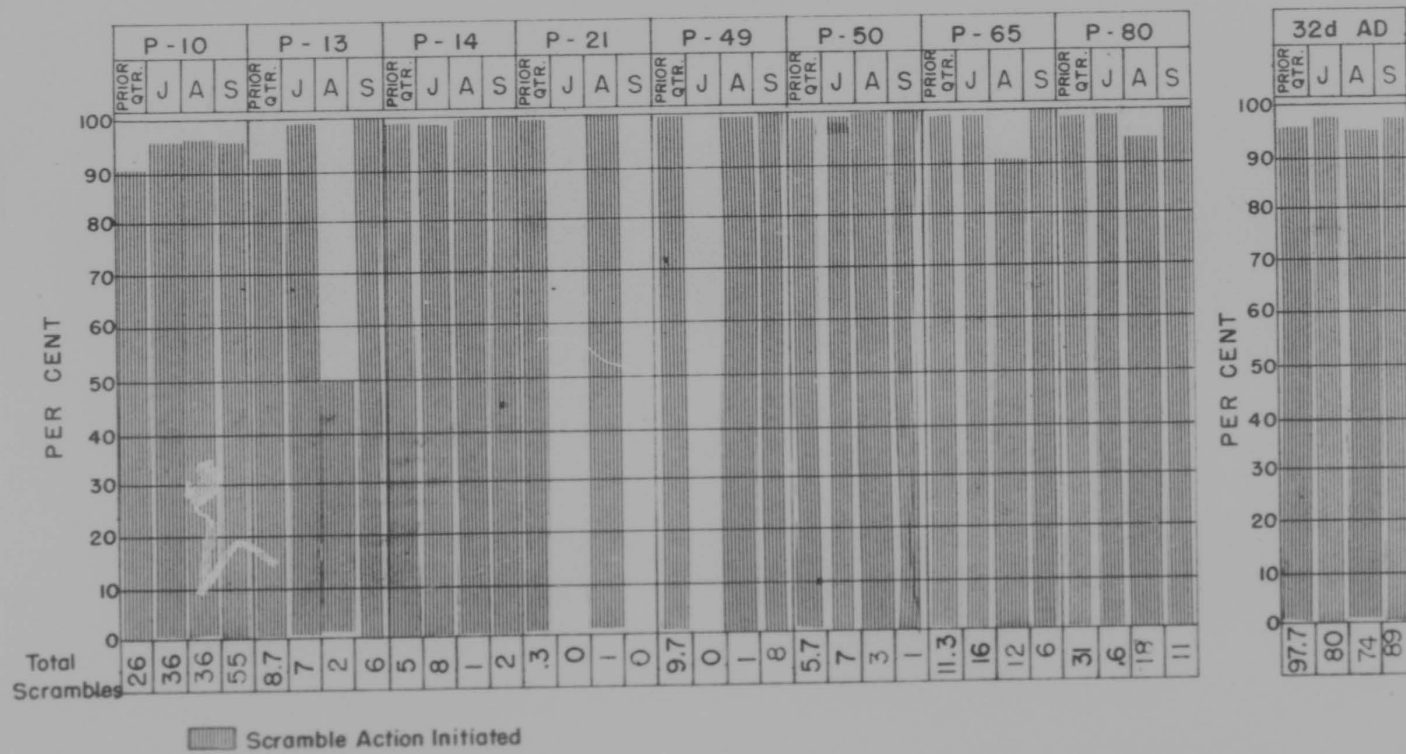


SECRET

SECRET

32d AIR DIVISION (DEF)

SCRAMBLE ACTION



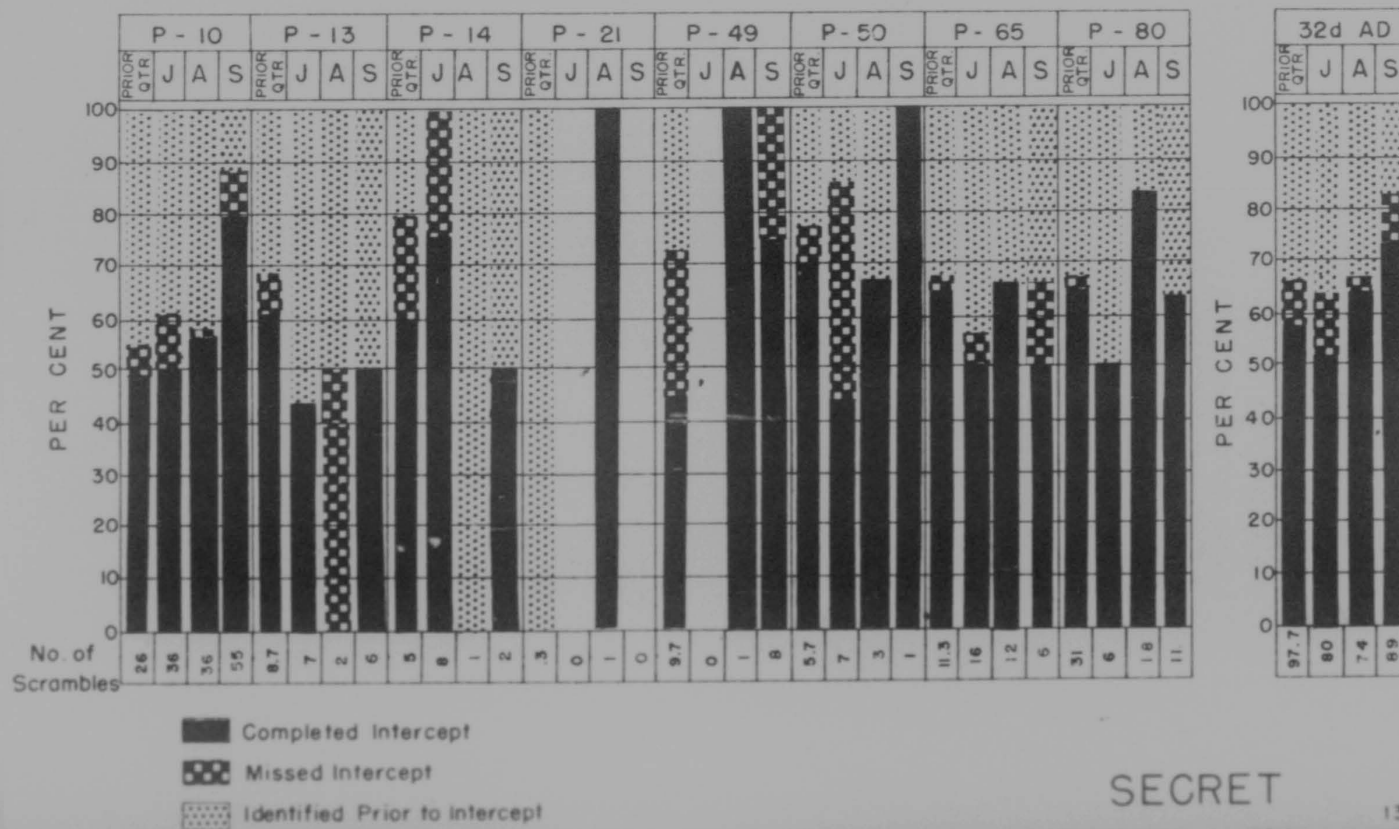
SECRET

0054

SECRET

32d AIR DIVISION (DEF)

INTERCEPT EFFICIENCY

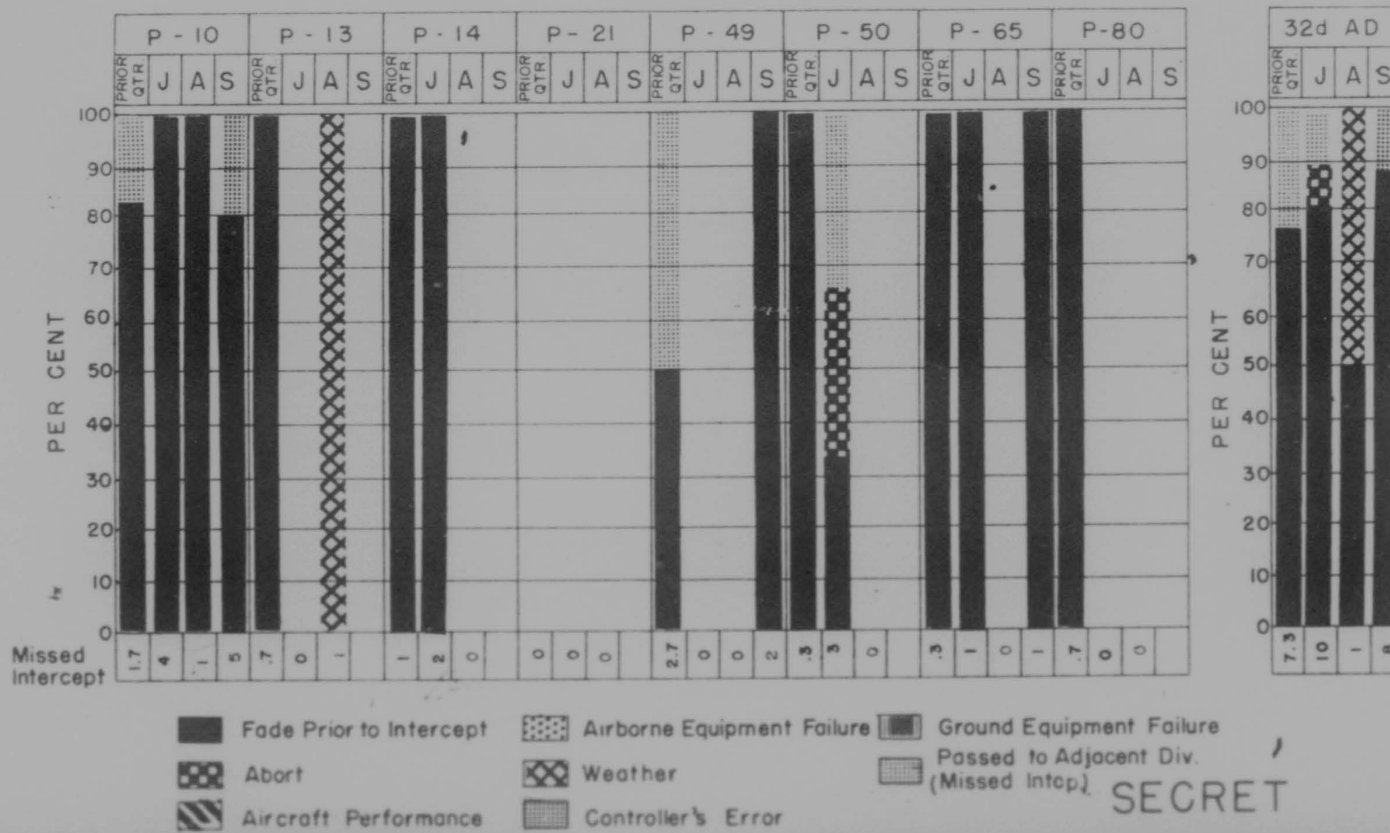


SECRET

SECRET

32d AIR DIVISION (DEF)

REASONS FOR MISSED INTERCEPTS



SECRET

0057

SECRET

DISTRIBUTION

COPIES

EADF Attn; Opns Analysis	1
ESF	1
EAAC Attn; Opns Analysis	12
CG32d AD (D)	1
CO 4707th Def Wg	1
CO 4711th Def Wg	1
CO 517th Air Def Gp	1
CO 518th Air Def Gp	1
CO 528th Air Def Gp	1
CO 564th Air Def Gp	1
CO 654th AC&W Sq	1
CO 655th AC&W Sq	1
CO 656th AC&W Sq	1
CO 762d AC&W Sq	1
CO 763rd AC&W Sq	1
CO 764th AC&W Sq	1
CO 765th AC&W Sq	1
CO 766th AC&W Sq	1
CO 27th FIS	1
CO 37th FIS	1
CO 47th FIS	1
CO 49th FIS	1
CO 318th FIS	1
CO 58th FIS	1
CO 60th FIS	1
CO 82nd FIS	1
CO 437th FIS	1

SECRET

15

0058

OPERATIONS SUMMARY



SECRET

1-31 OCT 55

COPY 34

OF 40 COPIES

32d Air
Division

276/4

55-2982

0059

SECRET

TABLE OF CONTENTS

	Page
Summary Of Operations	2-3-4
Total Tracks Requiring Identification	5
Flight Plan Correlation	6
Non-Correlation (Mechanical Limitations & Other)	7
Non-Correlation (Mechanical Limitations)	8
Non-Correlation (Other)	9
Identification Effectiveness	10
Scramble Action On Unknowns	11
Reason For No Scramble	12
Intercept Efficiency	13
Reason For Missed Intercept	14
Distribution	15

SECRET

0060

TABLE OF CONTENTS

	Page
Summary Of Operations	2-3-4
Total Tracks Requiring Identification	5
Flight Plan Correlation	6
Non-Correlation (Mechanical Limitations & Other)	7
Non-Correlation (Mechanical Limitations)	8
Non-Correlation (Other)	9
Identification Effectiveness	10
Scramble Action On Unknowns	11
Reason For No Scramble	12
Intercept Efficiency	13
Reason For Missed Intercept	14
Distribution	15

SECRET

0061

SECRET

This document contains information affecting the United States within the meaning of the Espionage Laws, Title 18 U.S.C., Section 793 and 794. Its transmission or the revelation of the contents in any manner to an unauthorized person is prohibited by law. Reproduction of the contents is authorized provided security required by AF Regulation 205-1 is maintained.

In the event any information contained herein is extracted or the Publication is reproduced in any way, the source of the information should be indicated.

PREPARED BY
OFFICE OF THE COMPTROLLER
FOR DEPUTY OF OPERATIONS
32d AIR DIVISION (DEFENSE)

SECRET

0062

SECRET

SUMMARY OF AIR DEFENSE OPERATIONS
1-31 OCTOBER 1955

	P-10	P-13	P-14	P-21	P-49	P-50	P-65	P-80	32d AD
1. PENETRATION TRACKS	187	570	1089	Neg	284	7	1736	778	4,651
2. WORKLOAD TRACKS	1894	1755	350	Neg	289	974	3674	1667	10,603
3. GOC TRACKS									
a. TRACKS RECEIVED	104	377	868	490	347	619	1090	—	3,885
b. TRACKS CORRELATED	75	308	845	253	215	475	974	—	3145
4. NUMBER OF UNKNOWN TRKS	41	5	4	1	—	1	5	6	63
5. SCR ACTION INITIATED	37	5	4	1	—	1	5	6	59
6. NO SCR ACTION INITIATED	4	—	—	—	—	—	—	—	4
7. NUMBER OF INTERCEPT	19	3	1	1	—	1	1	6	32
8. NUMBER OF MISSED INTCP	9	—	1	—	—	—	1	—	11
9. IDENT PRIOR TO INTERCEPT	9	2	2	—	—	—	3	—	16
10. IDENT AFTER MISSED INTCP	—	—	—	—	—	—	—	—	—
11. IDENT W/O SCR INITIATED	4	—	—	—	—	—	—	—	4
12. REMAINED UNKNOWN	9	—	1	—	—	—	1	—	11
13. INTERCEPT EFFECT %	51	60	25	100	—	100	20	100	54
14. IDENT EFFECT %	78	100	75	100	—	100	80	100	83
15. * TRUE INTCP EFFECT %	68	100	50	100	—	100	50	100	74
16. FLIGHT PLANS RECEIVED	187	2324	1138	Neg	600	N/A	2305	818	7372
17. FLT. PLANS CORR.	187	2303	1082	Neg	551	N/A	2258	801	7182
18. CORRELATION %	100	99	95	Neg	92	N/A	98	98	97

REMARKS:

* Intercept Figures Preceded By Asterisk Is Determined By Intercepts
Divided By Total Of Scramble Less Identification Prior To Intercepts

SECRET

0063.

SECRET

32D AIR DIVISION (DEF)
SUMMARY OF AIR DEFENSE OPERATIONS
1-31 OCTOBER 1955

18 REASON FOR NO SCRAMBLE ACTION	P-10	P-13	P-14	P-21	P-49	P-50	P-65	P-80	32AD
a. NO SCRAMBLE NOT REQUIRED (NSNR)	4	-	-	-	-	-	-	-	4
b. WEATHER (WX)	-	-	-	-	-	-	-	-	-
c. OUT OF INTERCEPT RANGE (OR)	-	-	-	-	-	-	-	-	-
d. NO AI EQPD FTR IN SUITABLE LOCATION (NAIF)	-	-	-	-	-	-	-	-	-
e. NO SCRAMBLE TAC DECISION (NSTD)	-	-	-	-	-	-	-	-	-
f. NO SCRAMBLE MULTIPLE CORR. IDENT. SYSTEM	-	-	-	-	-	-	-	-	-
19. REASON FOR MISSED INTERCEPTS	-	-	-	-	-	-	-	-	-
a. WEATHER (WX)	-	-	-	-	-	-	-	-	-
b. LATE SCRAMBLE (LS)	-	-	-	-	-	-	-	-	-
c. AIRBORNE EQUIPMENT FAILURE (AEF)	-	-	-	-	-	-	-	-	-
d. DARKNESS (DK)	-	-	-	-	-	-	-	-	-
e. ELECTRONICS COUNTERMEASURES (ECM)	-	-	-	-	-	-	-	-	-
f. ABORT (ABT)	1	-	-	-	-	-	-	-	1
g. PERSONNEL ERROR (PE)	-	-	-	-	-	-	1	-	1
h. GROUND EQUIPMENT FAILURE (GEF)	-	-	-	-	-	-	-	-	-
i. AIRCRAFT PERFORMANCE (ACP)	-	-	-	-	-	-	-	-	-
j. FADE PRIOR TO INTERCEPT (FPI)	-	-	-	-	-	-	-	-	-
k. PASSED TO 26th AD (DEF)	8	-	1	-	-	-	-	-	9

REMARKS

SECRET

3

0064

SECRET

32d AIR DIVISION FLIGHT PLAN CORRELATION

1-31 OCTOBER 1955

	P-10	P-13	P-14	P-21	P-49	P-50	P-65	P-80	32d AD
FLIGHT PLANS RECEIVED	187	2324	1138	NEG	600	N/A	2305	818	7372
FLIGHT PLANS CORRELATED	187	2303	1082	NEG	551	N/A	2258	801	7182
FLIGHT PLANS NOT CORR.	0	21	56	NEG	49	N/A	47	17	190
REASONS FOR NON CORRELATION (Mechanical Limitations)									
1. SCHEDULED MAINTENANCE	-	7	11	-	17	-	15	4	54
2. EMERGENCY MAINTENANCE	-	-	-	-	2	-	4	1	7
3. OUT OF CALIBRATION LIMITS	-	10	37	-	3	-	8	-	58
5. GROUND CLUTTER	-	1	-	-	1	-	5	-	7
9. OTHER *	-	-	5	-	18	-	13	3	39
TOTAL	0	18	53	-	41	-	45	8	165
(Other than Mechanical Limitations)									
4. WEATHER	-	2	1	-	7	-	1	-	11
6. LATE FLIGHT PLAN	-	-	1	-	-	-	-	4	5
7. DEVIATED FLIGHT PLAN	-	1	-	-	-	-	-	4	5
8. PERSONNEL ERROR	-	-	1	-	1	-	1	1	4
TOTAL	-	3	3	-	8	-	2	9	25
GRAND TOTAL	-	21	56	-	49	-	47	17	190

* Most Common Reason For No 9

(SECRET) when filled in

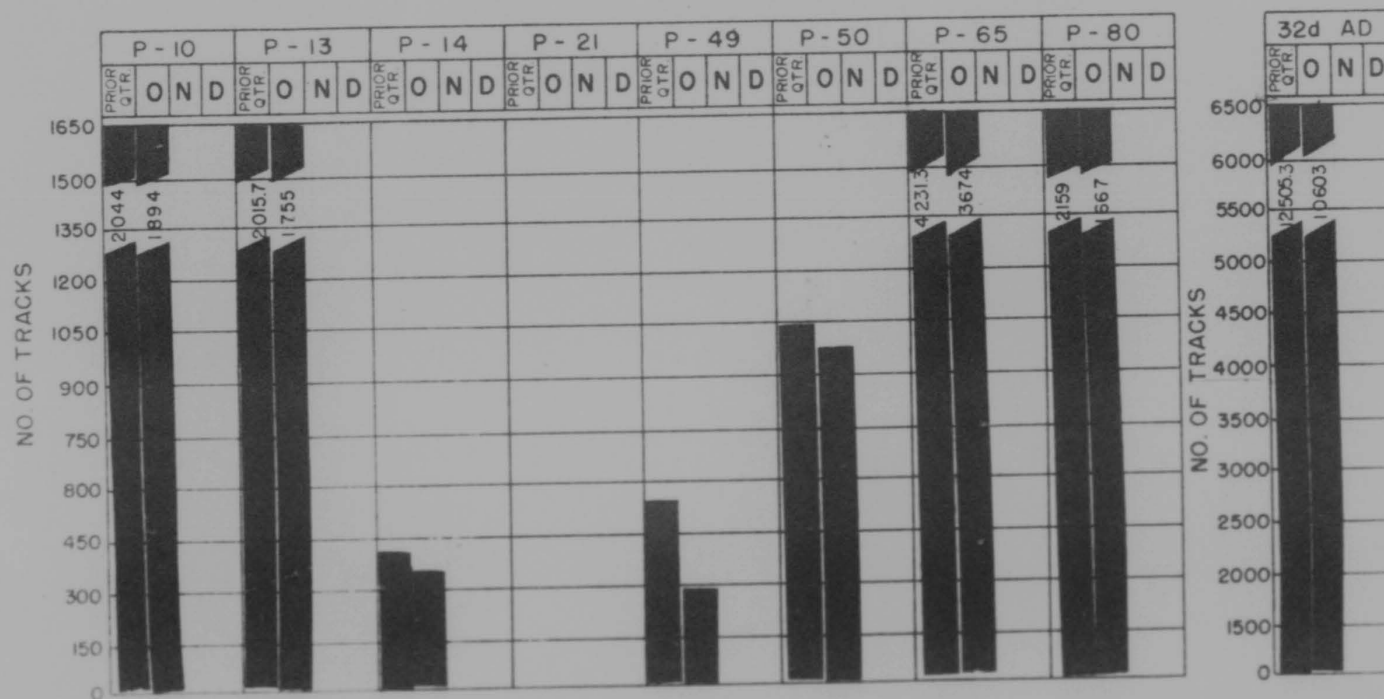
SECRET

0065

SECRET

32d AIR DIVISION (DEF)

TOTAL TRACKS REQUIRING IDENTIFICATION



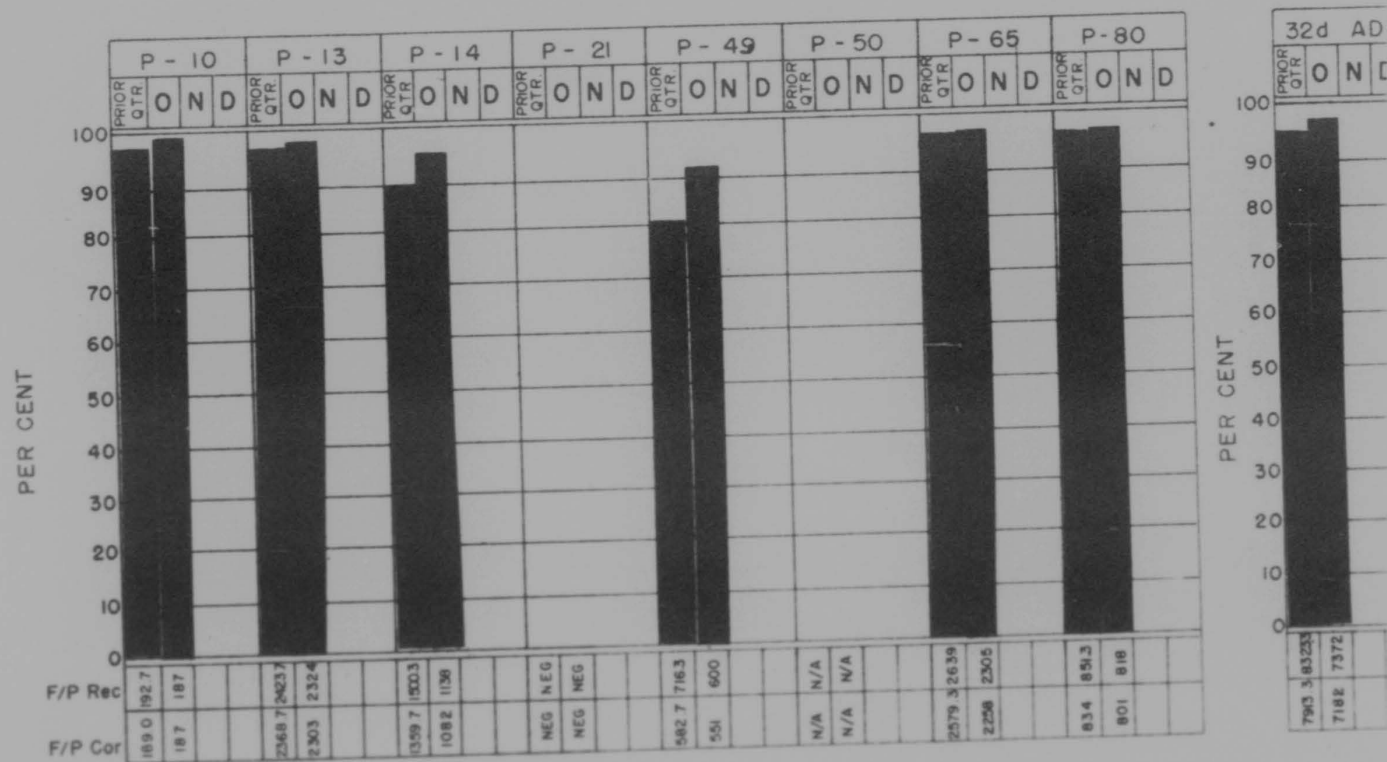
SECRET

0066

SECRET

32d AIR DIVISION (DEF)

FLIGHT PLAN CORRELATION



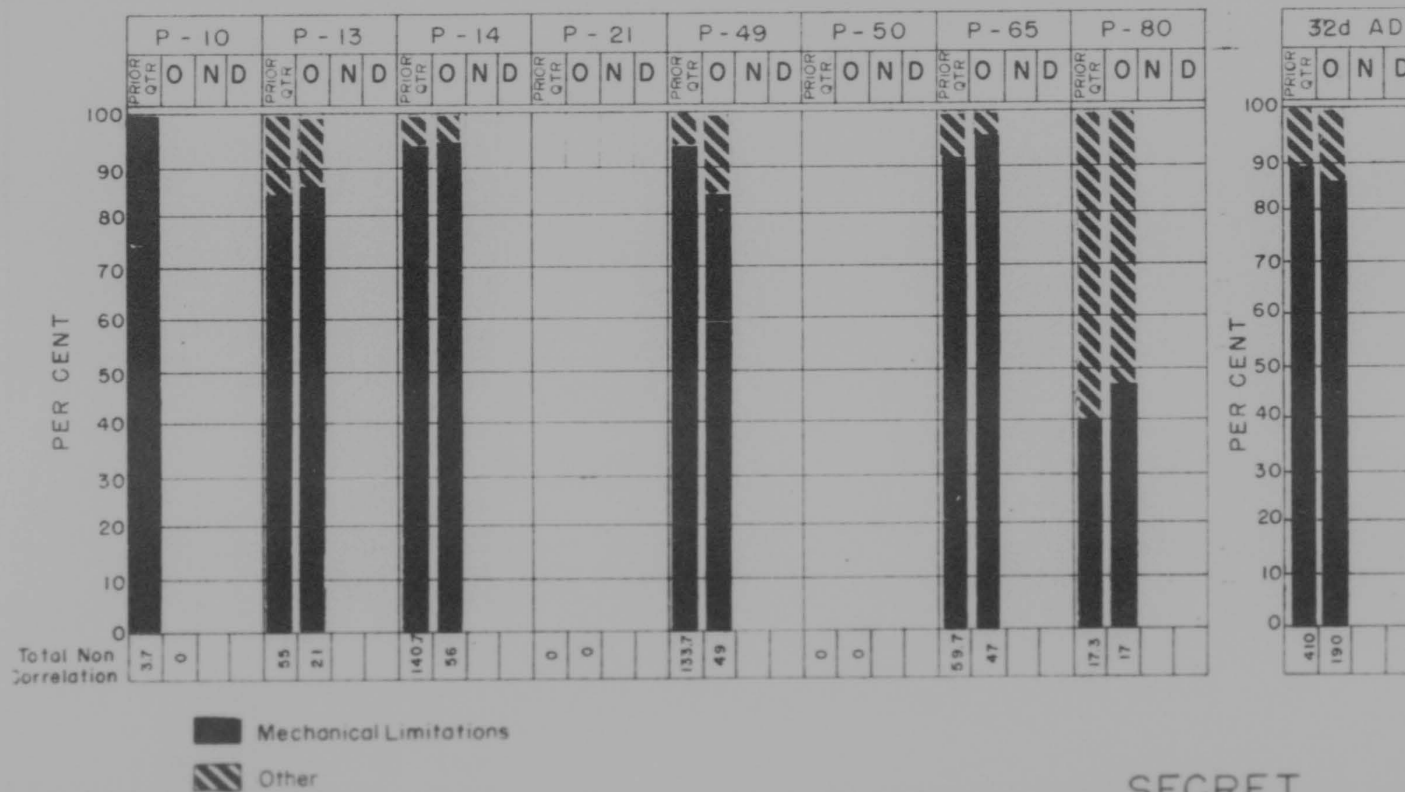
SECRET

0067

SECRET

32d AIR DIVISION (DEF)

NON - CORRELATIONS



SECRET

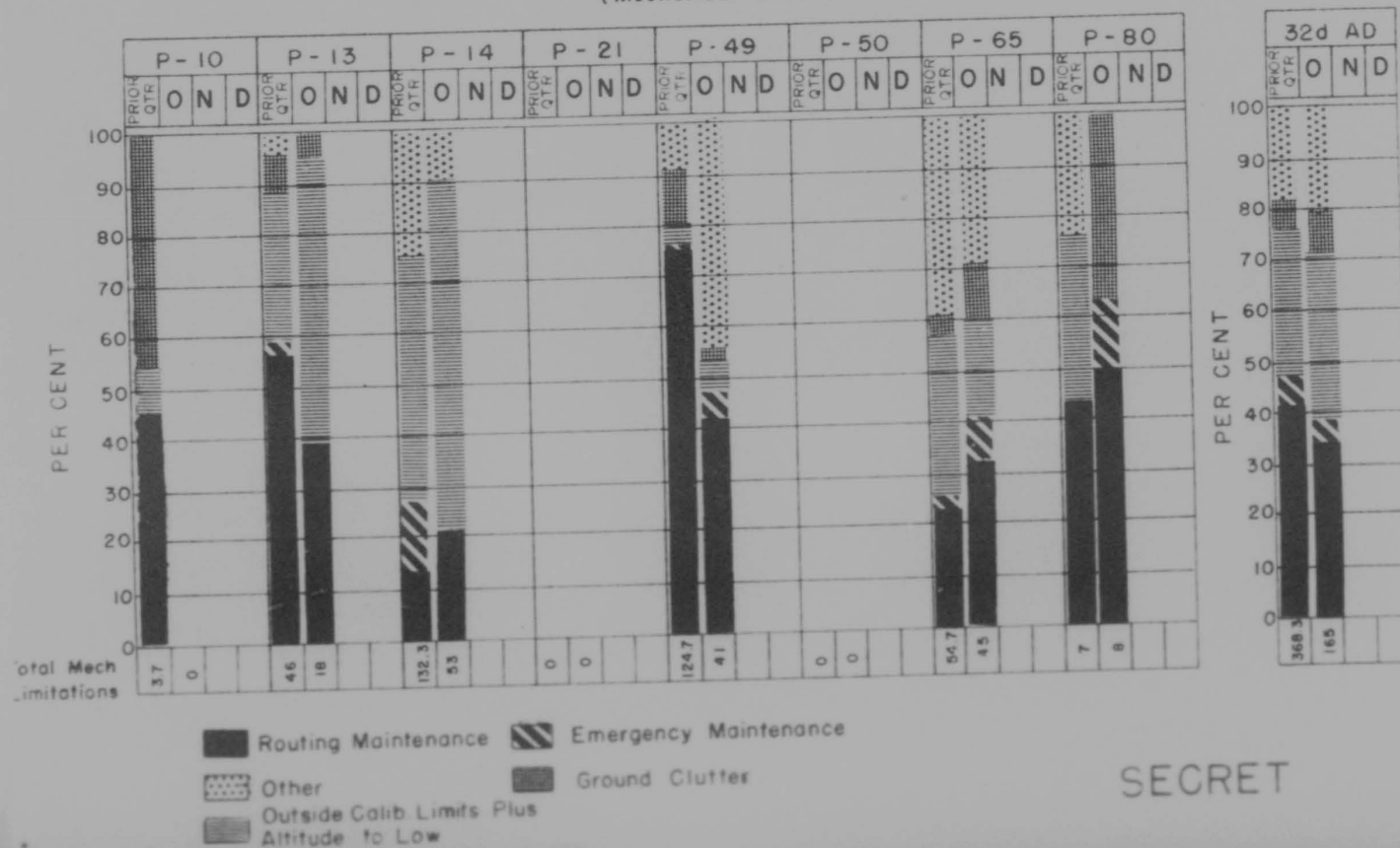
0068

SECRET

32d AIR DIVISION (DEF)

NON-CORRELATIONS

(Mechanical Limitations)



SECRET

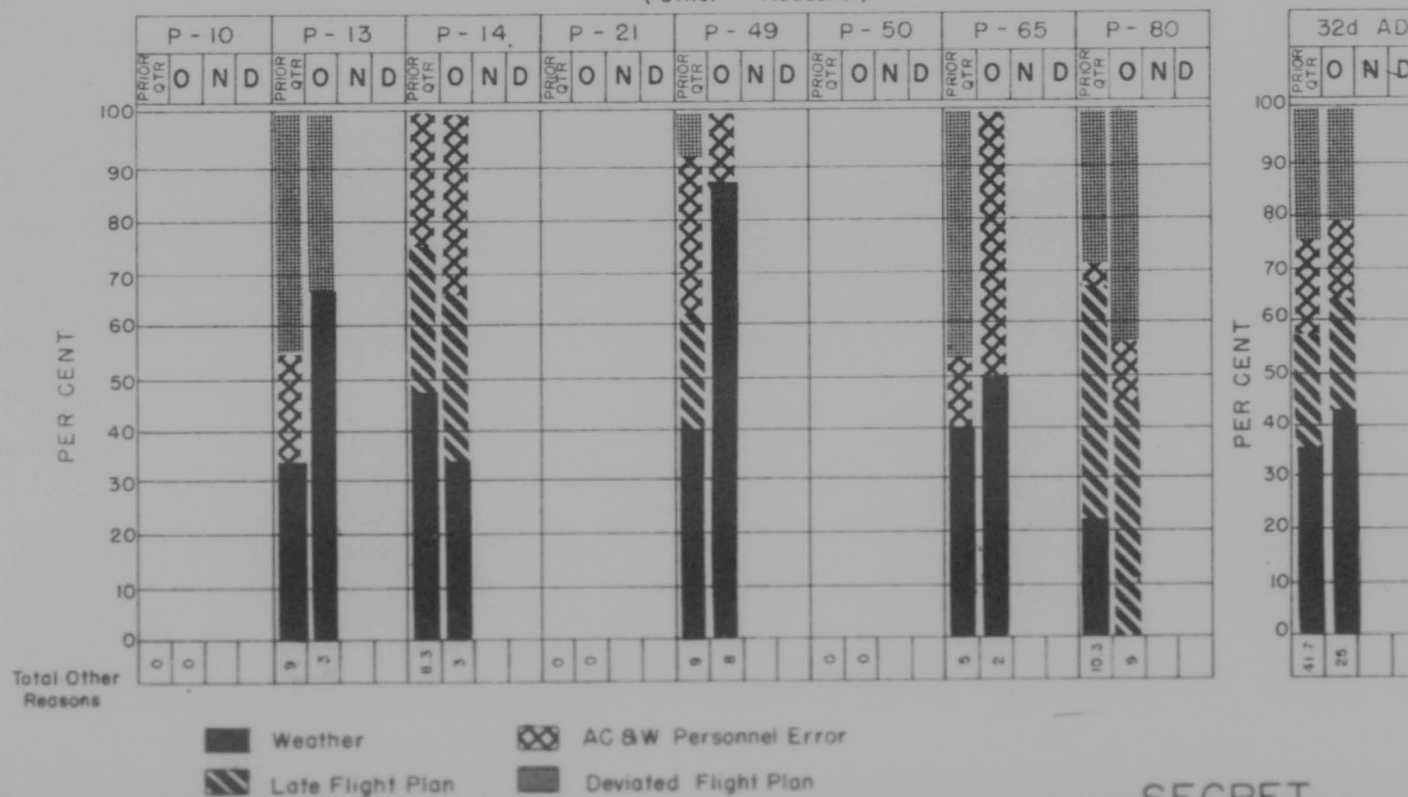
0069

SECRET

32d AIR DIVISION (DEF)

NON-CORRELATIONS

(Other Reasons)



SECRET

0070

SECRET

32d AIR DIVISION (DEF)

IDENTIFICATION EFFECTIVENESS



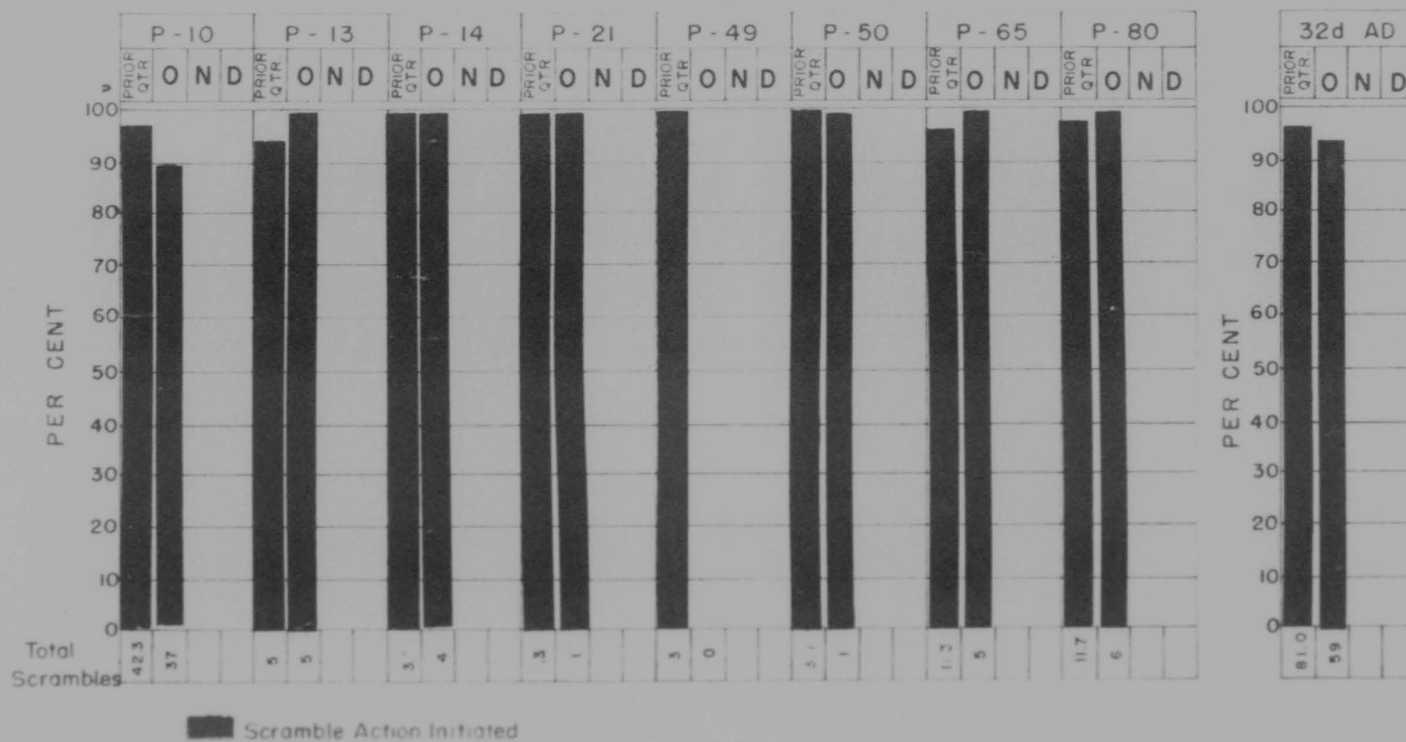
SECRET

0071

SECRET

32d AIR DIVISION (DEF)

SCRAMBLE ACTION



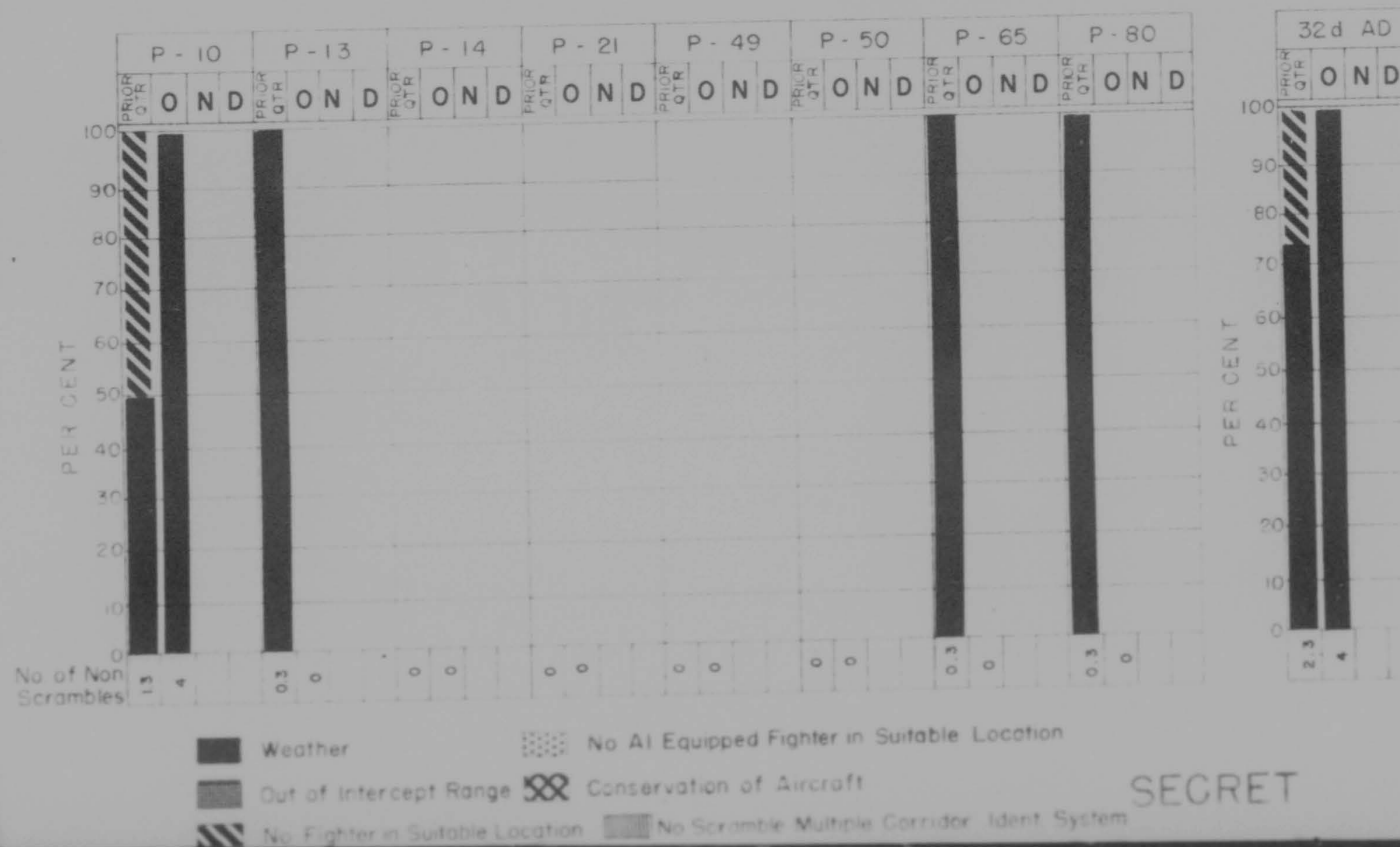
SECRET

0072

SECRET

32d AIR DIVISION (DEF)

REASONS FOR NO SCRAMBLE



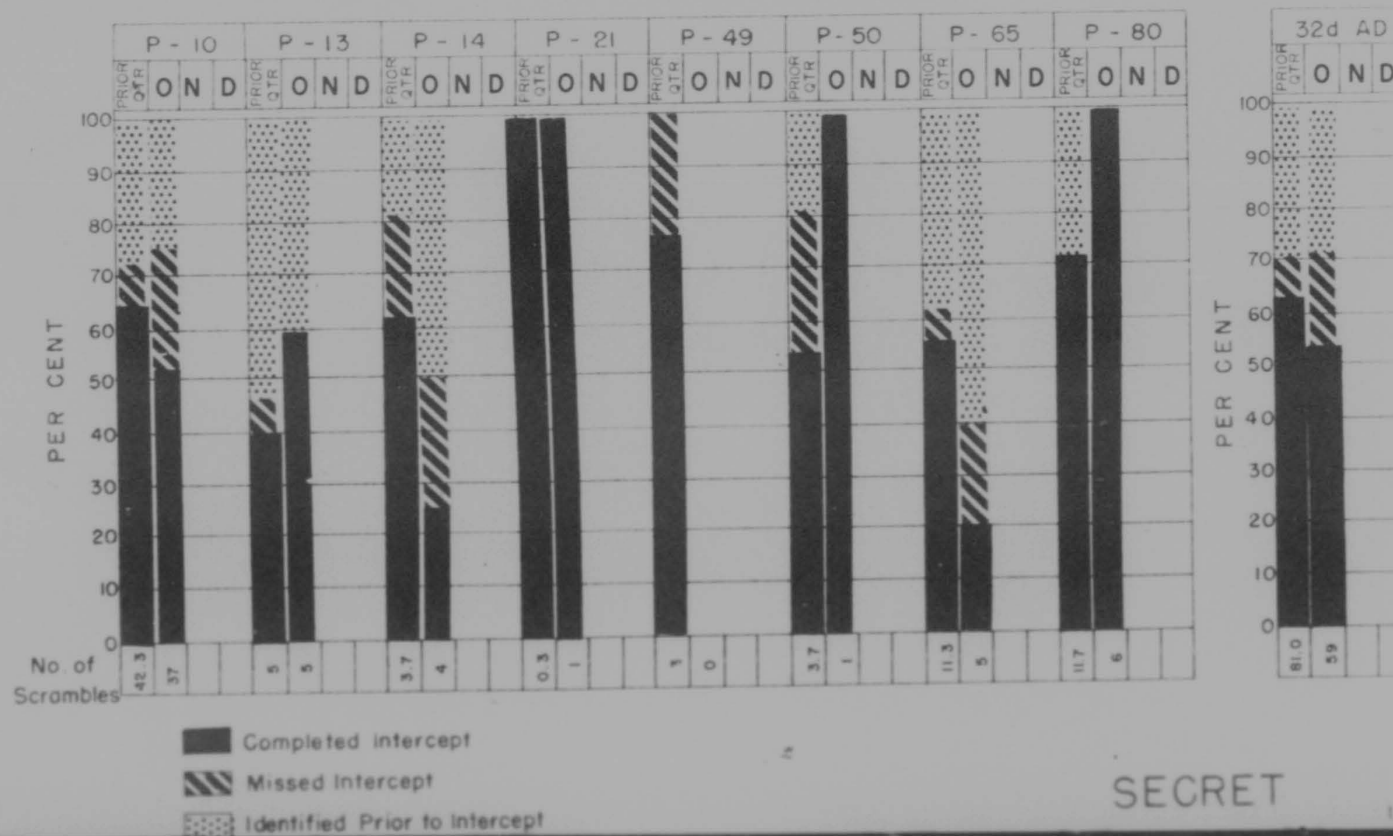
SECRET

0073

SECRET

32d AIR DIVISION (DEF)

INTERCEPT EFFICIENCY



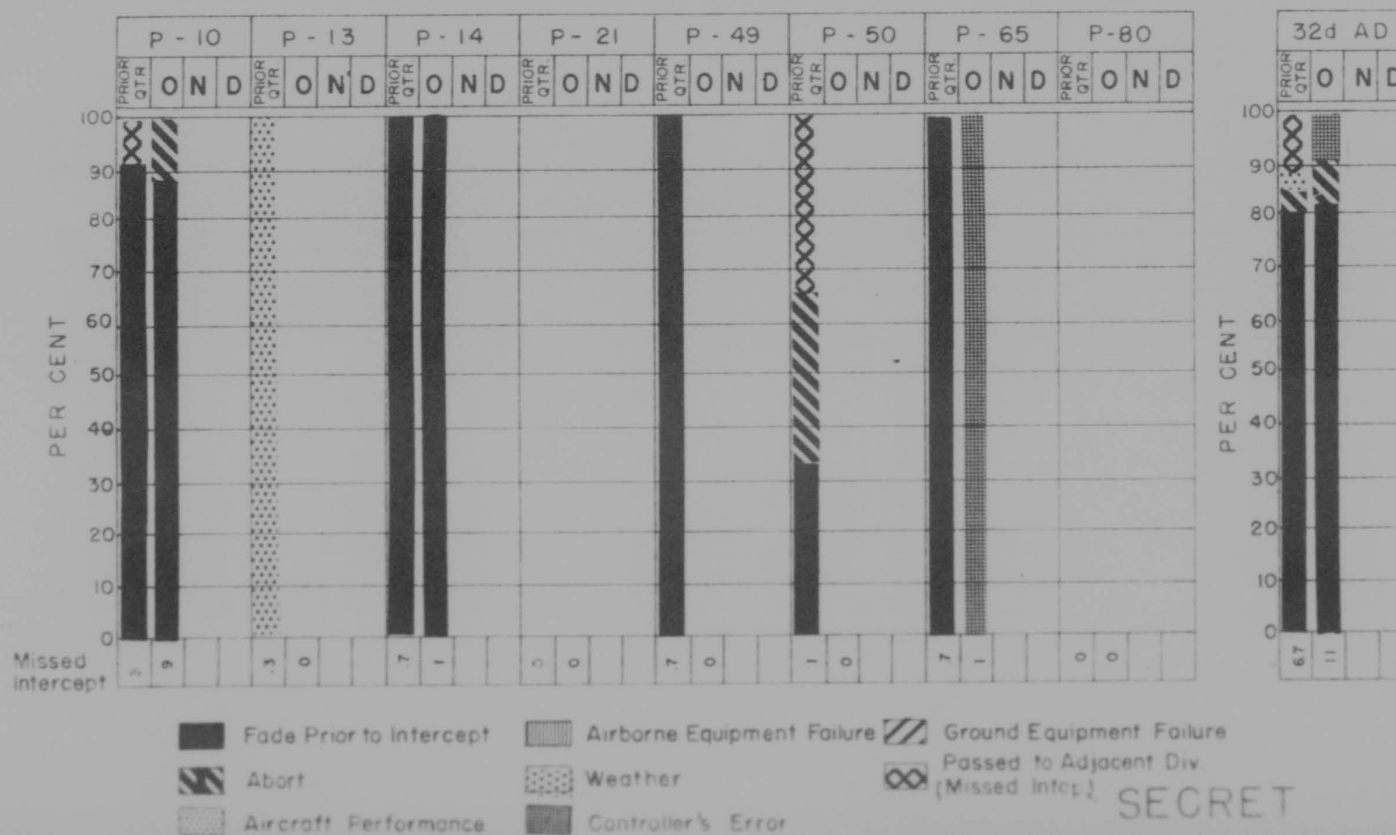
SECRET

0074

SECRET

32d AIR DIVISION (DEF)

REASONS FOR MISSED INTERCEPTS



0075

SECRET

SECRET

DISTRIBUTION

COPIES

EADF Attn; Opns Analysis	
ESF	
EAAC Attn; Opns Analysis	
CG32d AD (D)	12
CO 4707th Def Wg	
CO 4711th Def Wg	
CO 517th Air Def Gp	
CO 518th Air Def Gp	
CO 528th Air Def Gp	
CO 564th Air Def Gp	
CO 654th AC&W Sq	
CO 655th AC&W Sq	
CO 656th AC&W Sq	
CO 762d AC&W Sq	
CO 763rd AC&W Sq	
CO 764th AC&W Sq	
CO 765th AC&W Sq	
CO 766th AC&W Sq	
CO 27th FIS	
CO 37th FIS	
CO 47th FIS	
CO 49th FIS	
CO 318th FIS	
CO 58th FIS	
CO 60th FIS	
CO 82nd FIS	
CO 437th FIS	

SECRET

15

0076



SECRET

TABLE OF CONTENTS

	Page
Summary Of Operations	2-3-4
Total Tracks Requiring Identification	5
Flight Plan Correlation	6
Non-Correlation (Mechanical Limitations & Other)	7
Non-Correlation (Mechanical Limitations)	8
Non-Correlation (Other)	9
Identification Effectiveness	10
Scramble Action On Unknowns	11
Reason For No Scramble	12
Intercept Efficiency	13
Reason For Missed Intercept	14
Distribution	15

SECRET

0078

SECRET

This document contains information affecting the United States within the meaning of the Espionage Laws, Title 18 U.S. C., Section 793 and 794. Its transmission or the revelation of the contents in any manner to an unauthorized person is prohibited by law. Reproduction of the contents is authorized provided security required by AF Regulation 205-1 is maintained.

In the event any information contained herein is extracted or the Publication is reproduced in any way, the source of the information should be indicated.

PREPARED BY
OFFICE OF THE COMPTROLLER
FOR DEPUTY OF OPERATIONS
32d AIR DIVISION (DEFENSE)

SECRET

0079

SECRET

SUMMARY OF AIR DEFENSE OPERATIONS
1-30 NOVEMBER 1955

	P-10	P-13	P-14	P-21	P-49	P-50	P-65	P-80	32d AD
1. PENETRATION TRACKS	77	474	969	Neg	235	6	1895	774	4430
2. WORKLOAD TRACKS	1699	1545	296	Neg	215	809	3423	1867	9854
3. GOC TRACKS									
a. TRACKS RECEIVED	55	289	707	341	206	499	1991	—	4088
b. TRACKS CORRELATED	49	266	687	161	137	413	1703	—	3416
4. NUMBER OF UNKNOWN TRKS	12	2	—	—	1	2	1	3	21
5. SCR ACTION INITIATED	11	2	—	—	1	2	1	3	20
6. NO SCR ACTION INITIATED	1	—	—	—	—	—	—	—	1
7. NUMBER OF INTERCEPT	9	2	—	—	—	1	1	3	16
8. NUMBER OF MISSED INTCP	—	—	—	—	—	—	—	—	—
9. IDENT PRIOR TO INTERCEPT	2	—	—	—	1	1	—	—	4
10. IDENT AFTER MISSED INTCP	—	—	—	—	—	—	—	—	—
11. IDENT W/O SCR INITIATED	1	—	—	—	—	—	—	—	1
12. REMAINED UNKNOWN	—	—	—	—	—	—	—	—	—
13. INTERCEPT EFFECT %	82	100	—	—	0	50	100	100	80
14. IDENT EFFECT %	100	100	—	—	100	100	100	100	100
15. * TRUE INTCP EFFECT %	100	100	—	—	100	100	100	100	100
16. FLIGHT PLANS RECEIVED	77	2007	1013	Neg	450	N/A	1905	759	6211
17. FLT. PLANS CORR.	76	2001	964	Neg	423	N/A	1880	754	6094
18. CORRELATION %	99	99	95	Neg	94	N/A	99	99	98

REMARKS:

* Intercept Figures Preceded By Asterisk Is Determined By Intercepts
Divided By Total Of Scramble Less Identification Prior To Intercepts

SECRET

0080

SECRET

32D AIR DIVISION (DEF)
SUMMARY OF AIR DEFENSE OPERATIONS
1-31 OCTOBER 1955

18	REASON FOR NO SCRAMBLE ACTION	P-10	P-13	P-14	P-21	P-49	P-50	P-65	P-80	32AD
a.	NO SCRAMBLE NOT REQUIRED (NSNR)	1	-	-	-	-	-	-	-	1
b.	WEATHER (WX)	-	-	-	-	-	-	-	-	-
c.	OUT OF INTERCEPT RANGE (OR)	-	-	-	-	-	-	-	-	-
d.	NO AI EQPD FTR IN SUITABLE LOCATION (NAIF)	-	-	-	-	-	-	-	-	-
e.	NO SCRAMBLE TAC DECISION (NSTD)	-	-	-	-	-	-	-	-	-
f.	NO SCRAMBLE MULTIPLE CORR.IDENT. SYSTEM	-	-	-	-	-	-	-	-	-
19.	REASON FOR MISSED INTERCEPTS	-	-	-	-	-	-	-	-	-
a.	WEATHER (WX)	-	-	-	-	-	-	-	-	-
b.	LATE SCRAMBLE (LS)	-	-	-	-	-	-	-	-	-
c.	AIRBORNE EQUIPMENT FAILURE (AEF)	-	-	-	-	-	-	-	-	-
d.	DARKNESS (DK)	-	-	-	-	-	-	-	-	-
e.	ELECTRONICS COUNTERMEASURES (ECM)	-	-	-	-	-	-	-	-	-
f.	ABORT (ABT)	-	-	-	-	-	-	-	-	-
g.	PERSONNEL ERROR (PE)	-	-	-	-	-	-	-	-	-
h.	GROUND EQUIPMENT FAILURE (GEF)	-	-	-	-	-	-	-	-	-
i.	AIRCRAFT PERFORMANCE (ACP)	-	-	-	-	-	-	-	-	-
j.	FADE PRIOR TO INTERCEPT (FPI)	-	-	-	-	-	-	-	-	-
k.	PASSED TO 26th AD (DEF)	-	-	-	-	-	-	-	-	4

REMARKS

SECRET

0081

SECRET

32d AIR DIVISION FLIGHT PLAN CORRELATION

1-30 NOVEMBER 1955

	P-10	P-13	P-14	P-21	P-49	P-50	P-65	P-80	32d AD
FLIGHT PLANS RECEIVED	77	2007	1013	NEG	450	N/A	1905	259	6211
FLIGHT PLANS CORRELATED	76	2001	964	NEG	423	N/A	1880	754	6098
FLIGHT PLANS NOT CORR.	1	6	49	NEG	27	N/A	25	5	113
REASONS FOR NON CORRELATION (Mechanical Limitations)									
1. SCHEDULED MAINTENANCE	—	2	10	—	21	—	2	1	36
2. EMERGENCY MAINTENANCE	—	—	1	—	—	—	—	—	1
3. OUT OF CALIBRATION LIMITS	—	1	30	—	3	—	3	—	37
5. GROUND CLUTTER	—	—	—	—	1	—	—	—	1
9. OTHER *	—	—	5	—	1	—	20	—	26
TOTAL	0	3	46	0	26	0	25	1	101
(Other than Mechanical Limitations)									
4. WEATHER	1	—	—	—	1	—	—	—	2
6. LATE FLIGHT PLAN	—	—	—	—	—	—	—	—	—
7. DEVIATED FLIGHT PLAN	—	2	—	—	—	—	—	4	6
8. PERSONNEL ERROR	—	1	3	—	—	—	—	—	4
TOTAL	1	3	3	—	1	—	0	4	12
GRAND TOTAL	1	6	49	0	27	0	25	5	113

* Most Common Reason For No. 9

(SECRET) when filled in

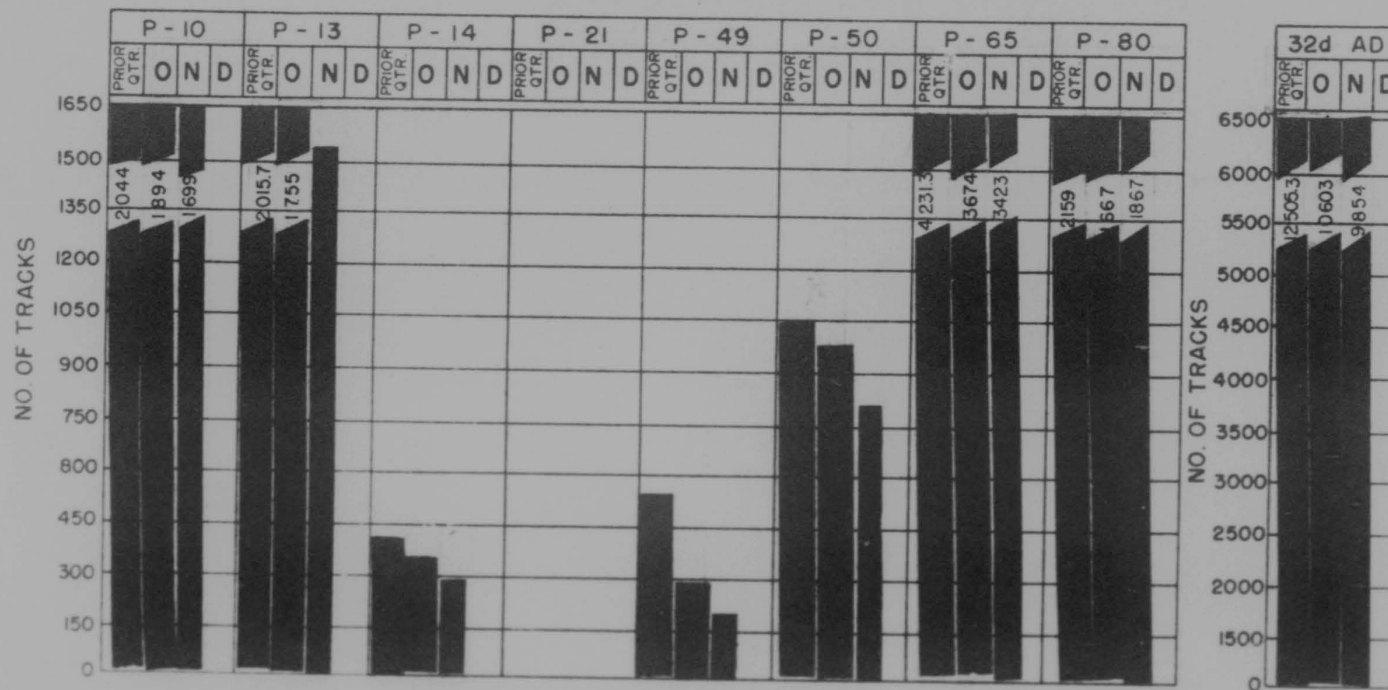
SECRET

0082

SECRET

32d AIR DIVISION (DEF)

TOTAL TRACKS REQUIRING IDENTIFICATION



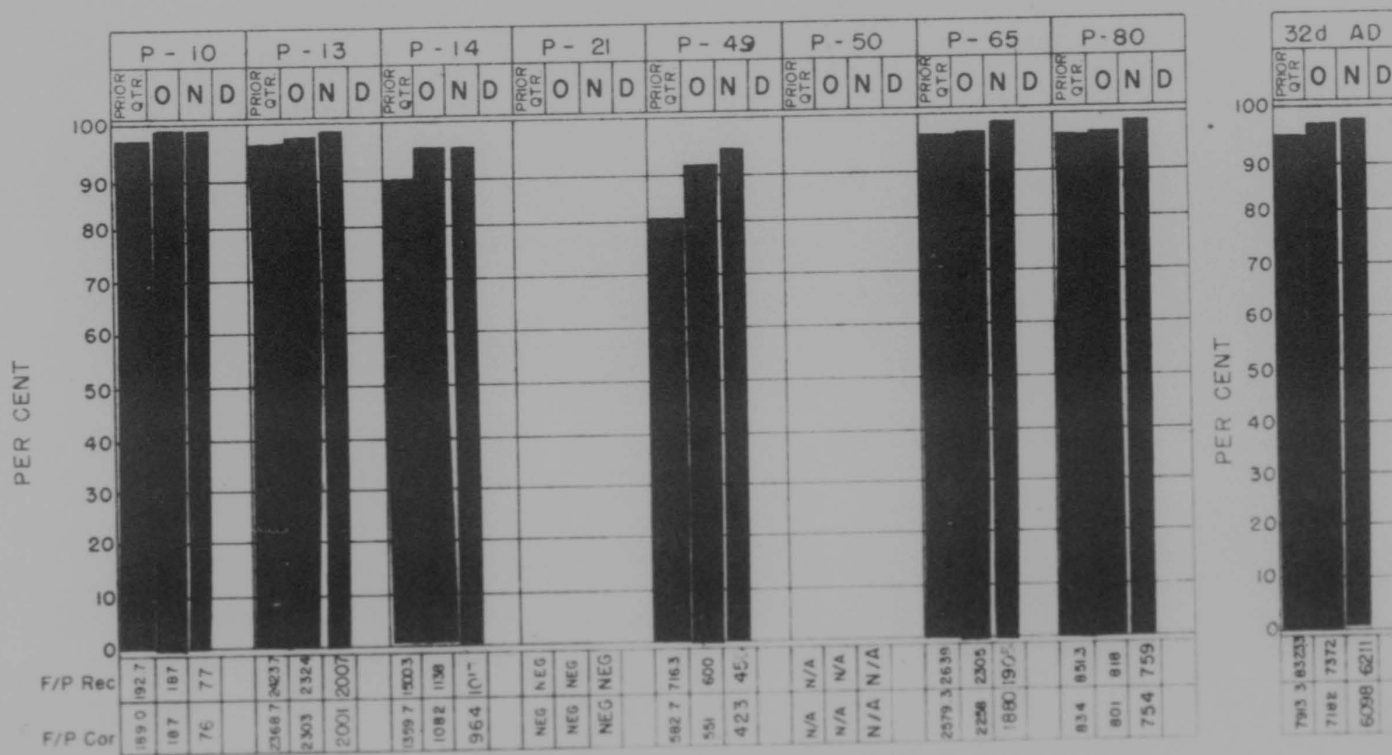
SECRET

0083

SECRET

32d AIR DIVISION (DEF)

FLIGHT PLAN CORRELATION



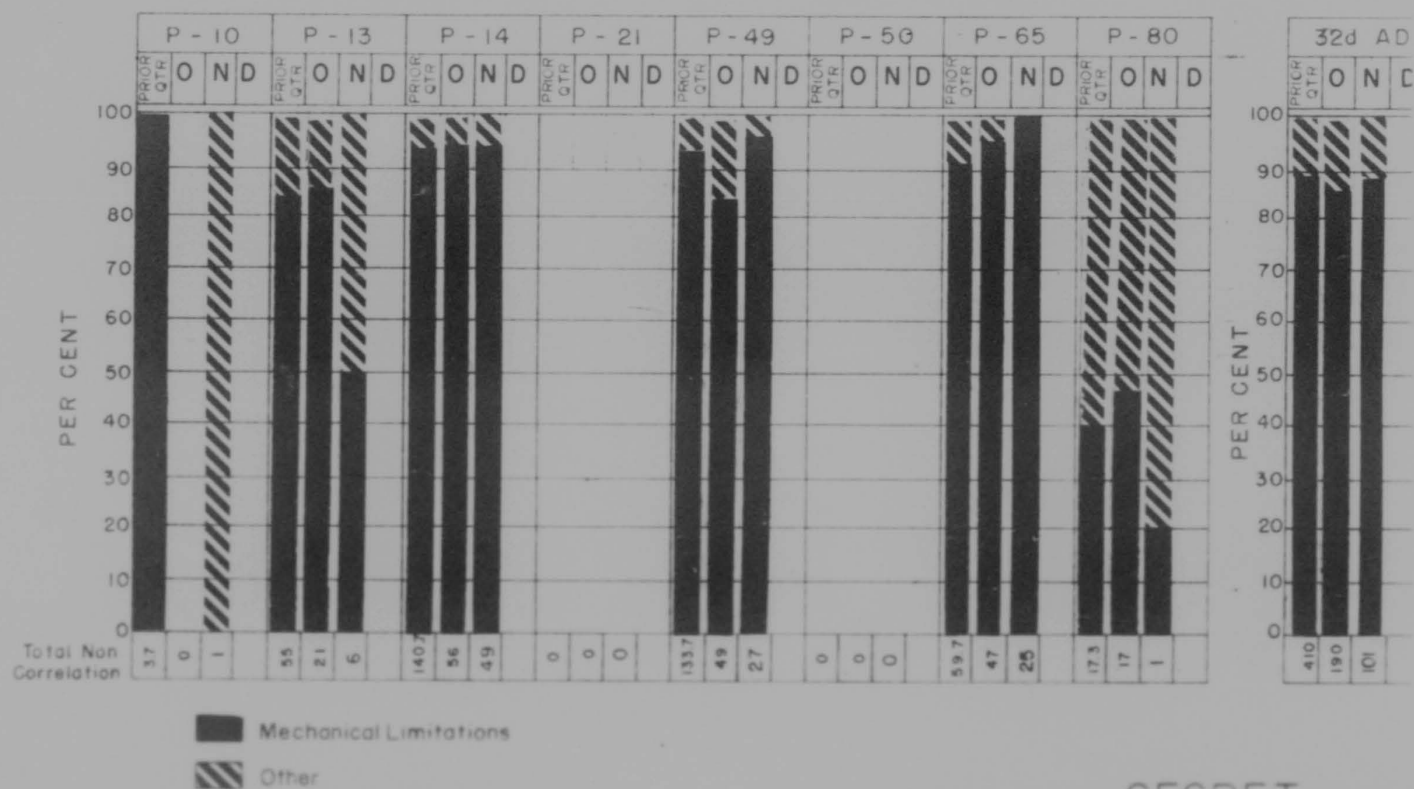
SECRET

0084

SECRET

32d AIR DIVISION (DEF)

NON - CORRELATIONS



SECRET

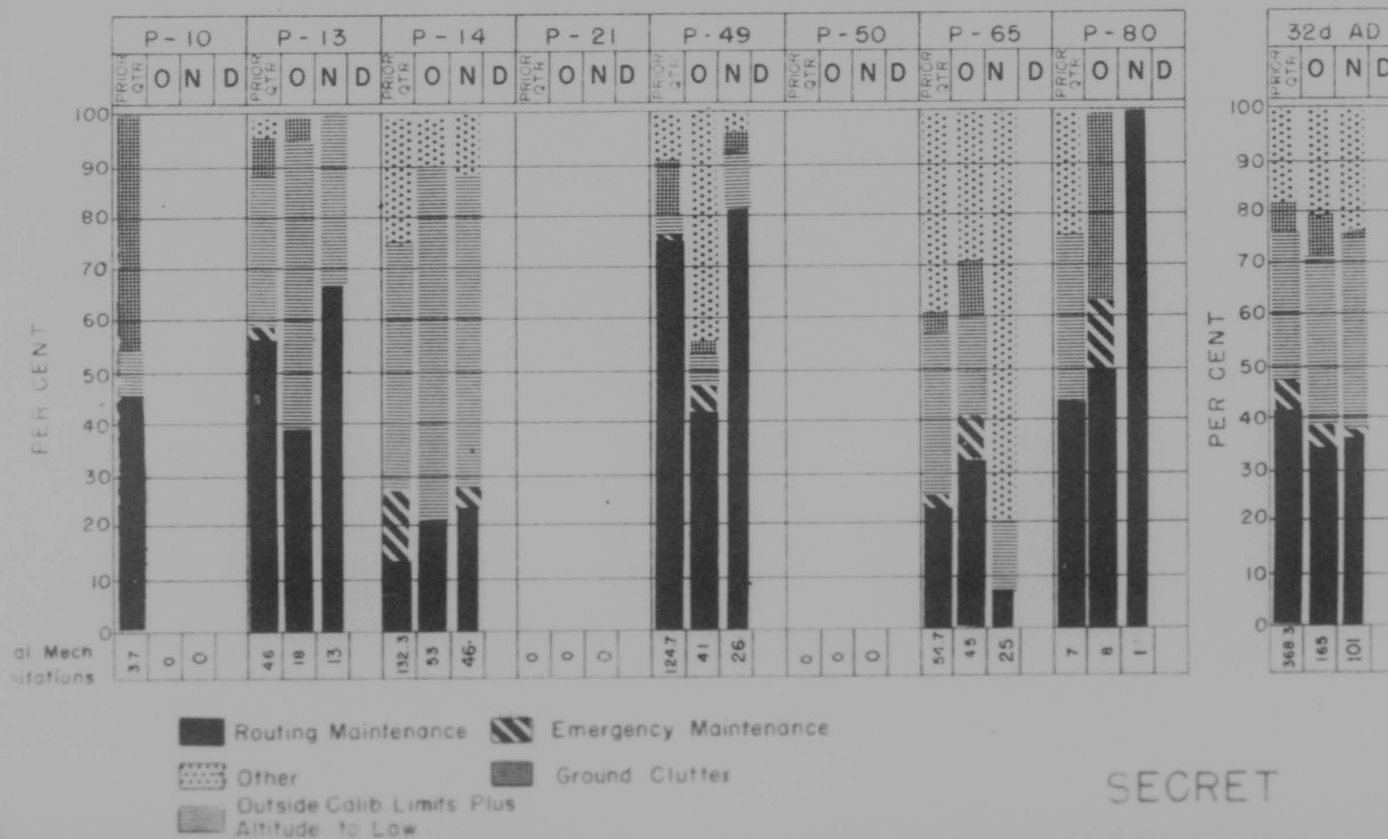
0085

SECRET

32d AIR DIVISION (DEF)

NON-CORRELATIONS

(Mechanical Limitations)



SECRET

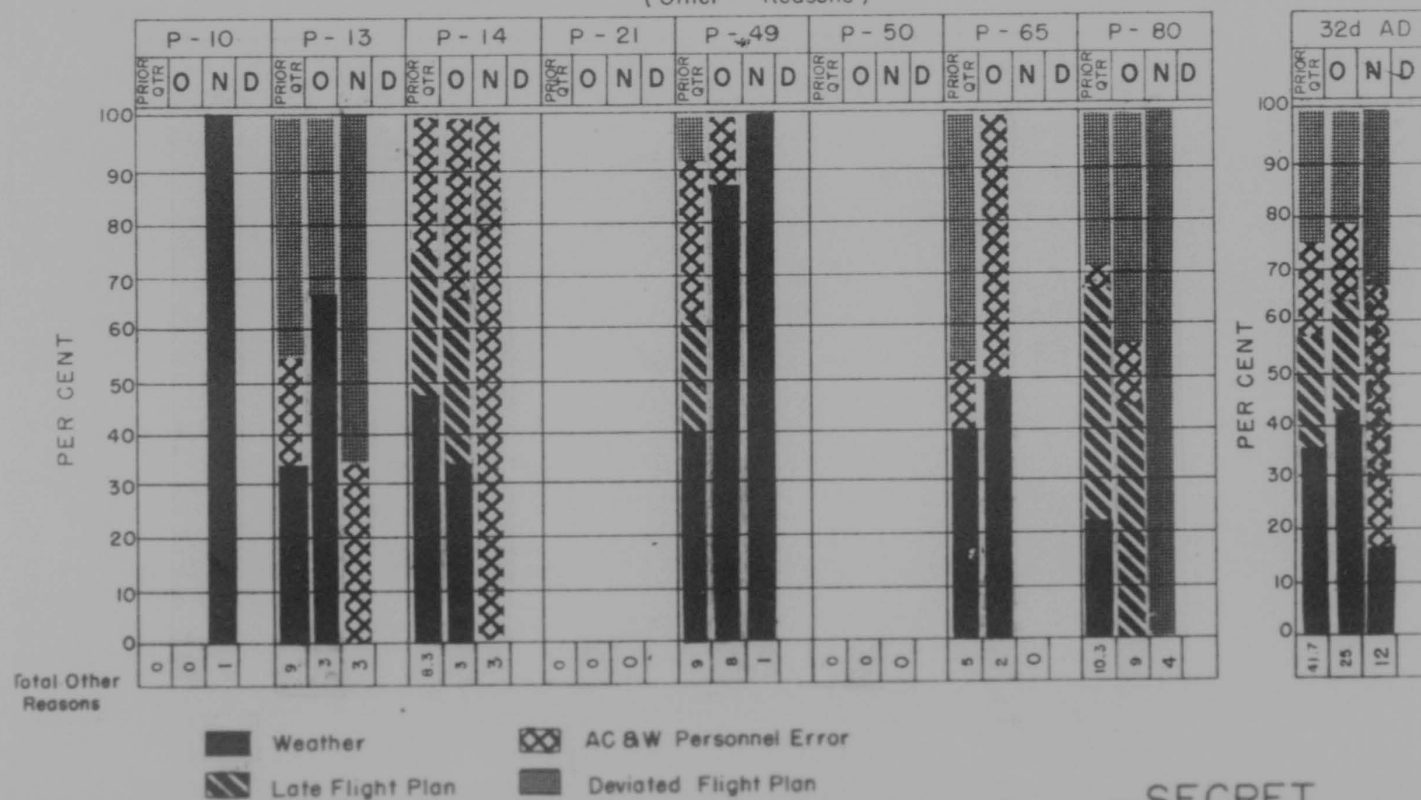
0086

SECRET

32d AIR DIVISION (DEF)

NON-CORRELATIONS

(Other Reasons)



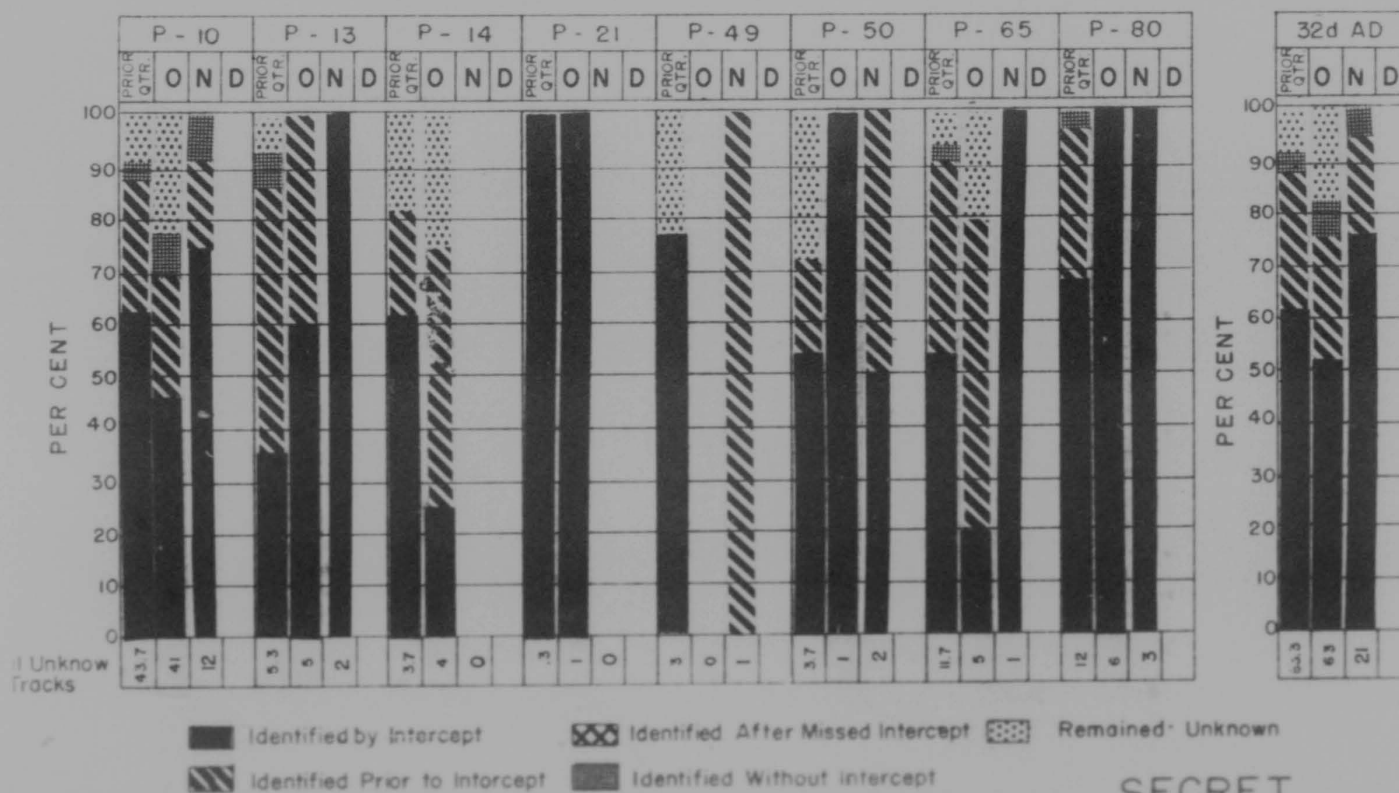
SECRET

0087

SECRET

32d AIR DIVISION (DEF)

IDENTIFICATION EFFECTIVENESS



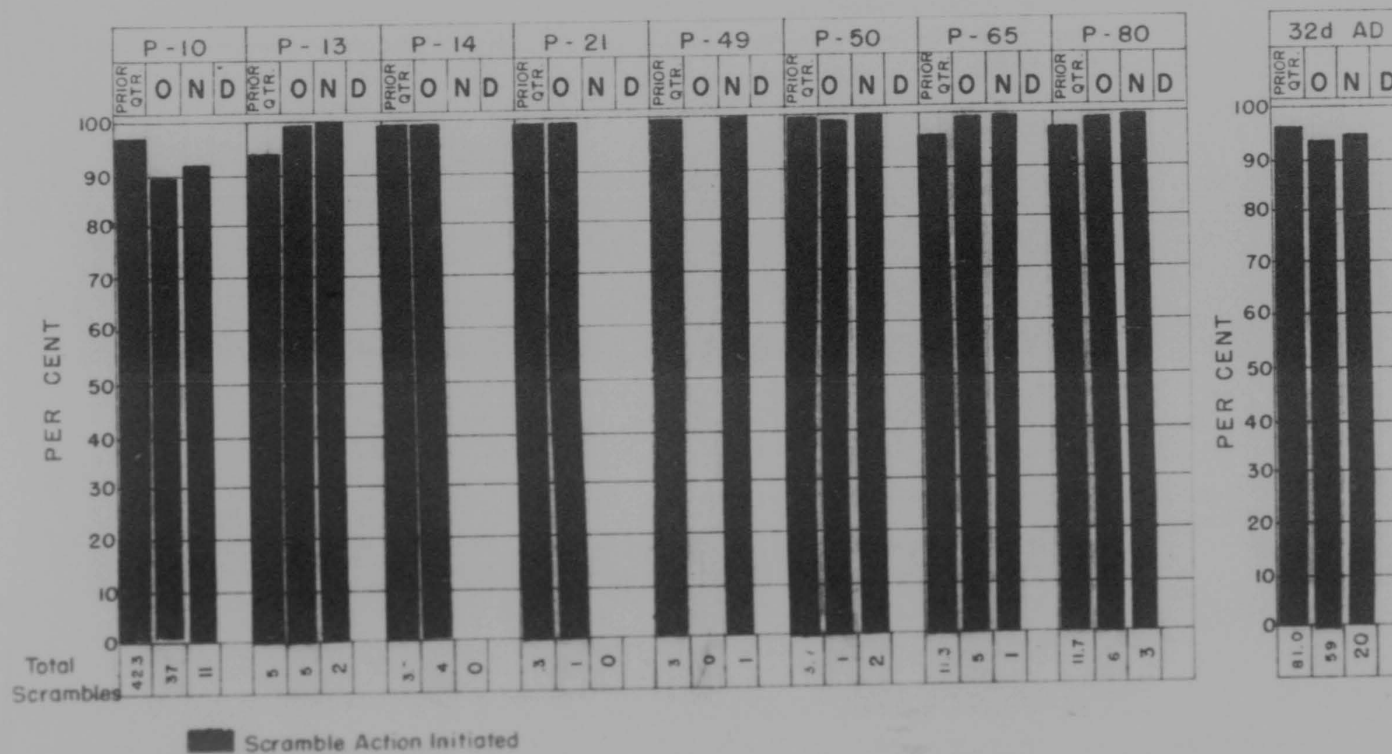
SECRET

0088

SECRET

32d AIR DIVISION (DEF)

SCRAMBLE ACTION



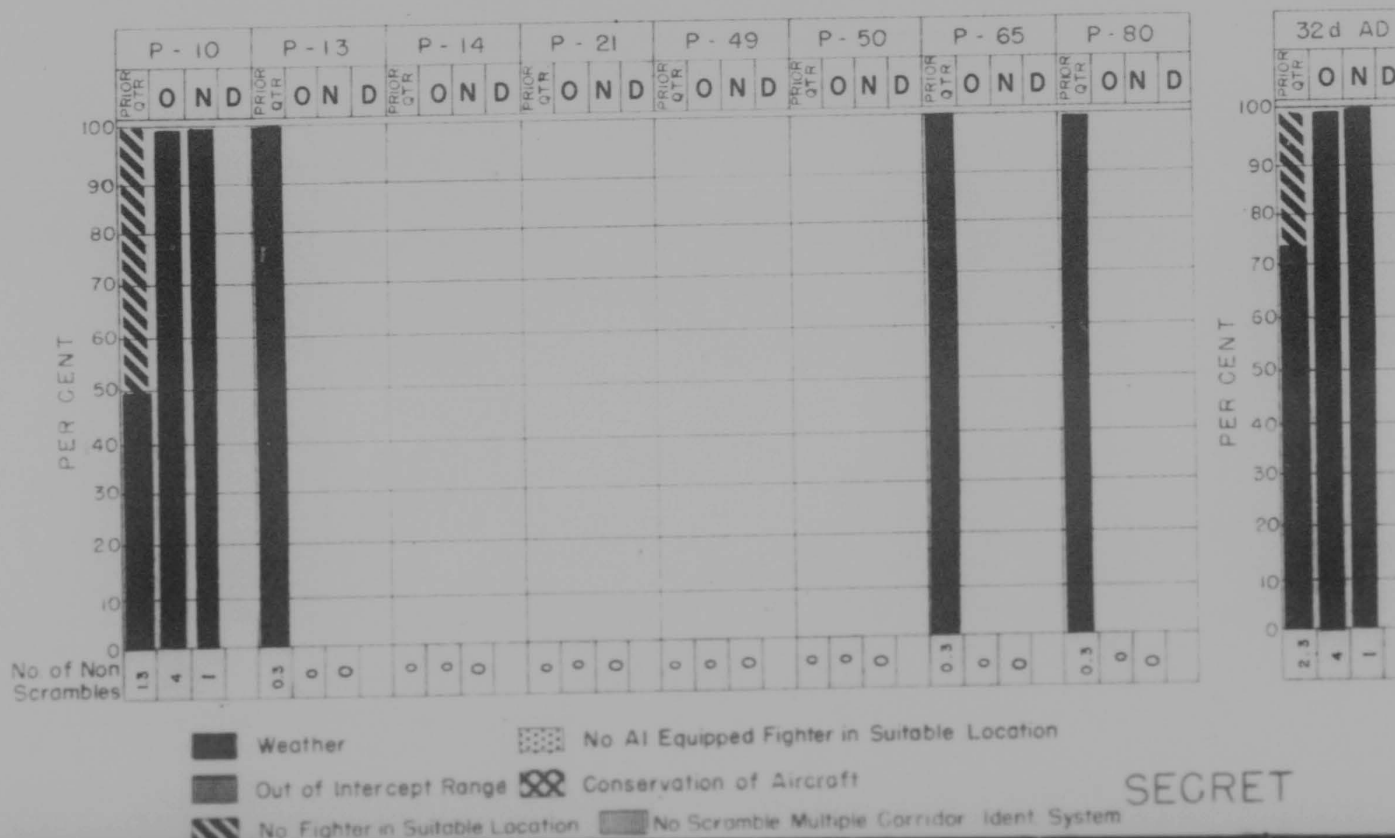
SECRET

0089

SECRET

32d AIR DIVISION (DEF)

REASONS FOR NO SCRAMBLE



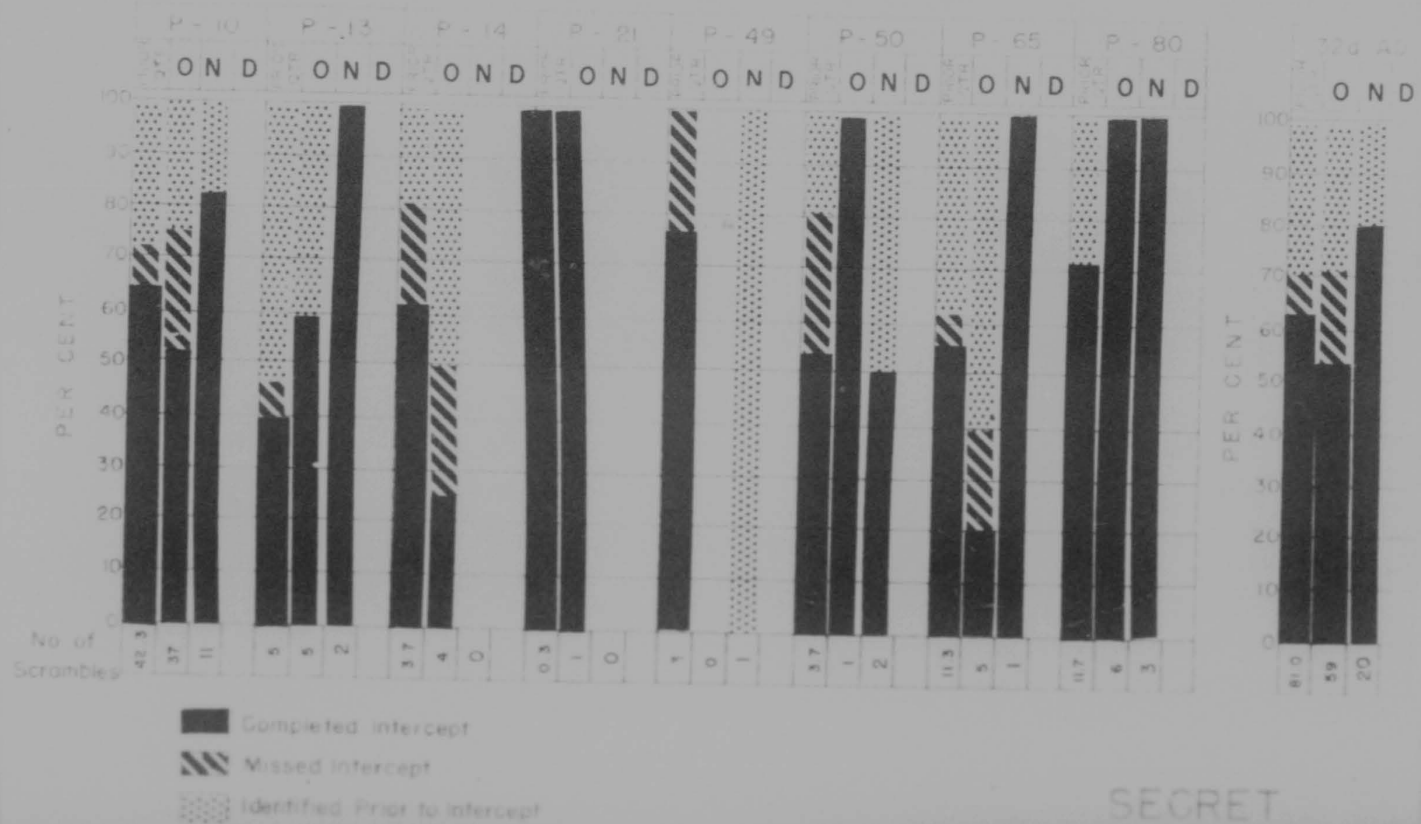
SECRET

0090

SECRET

32d AIR DIVISION (DEF)

INTERCEPT EFFICIENCY



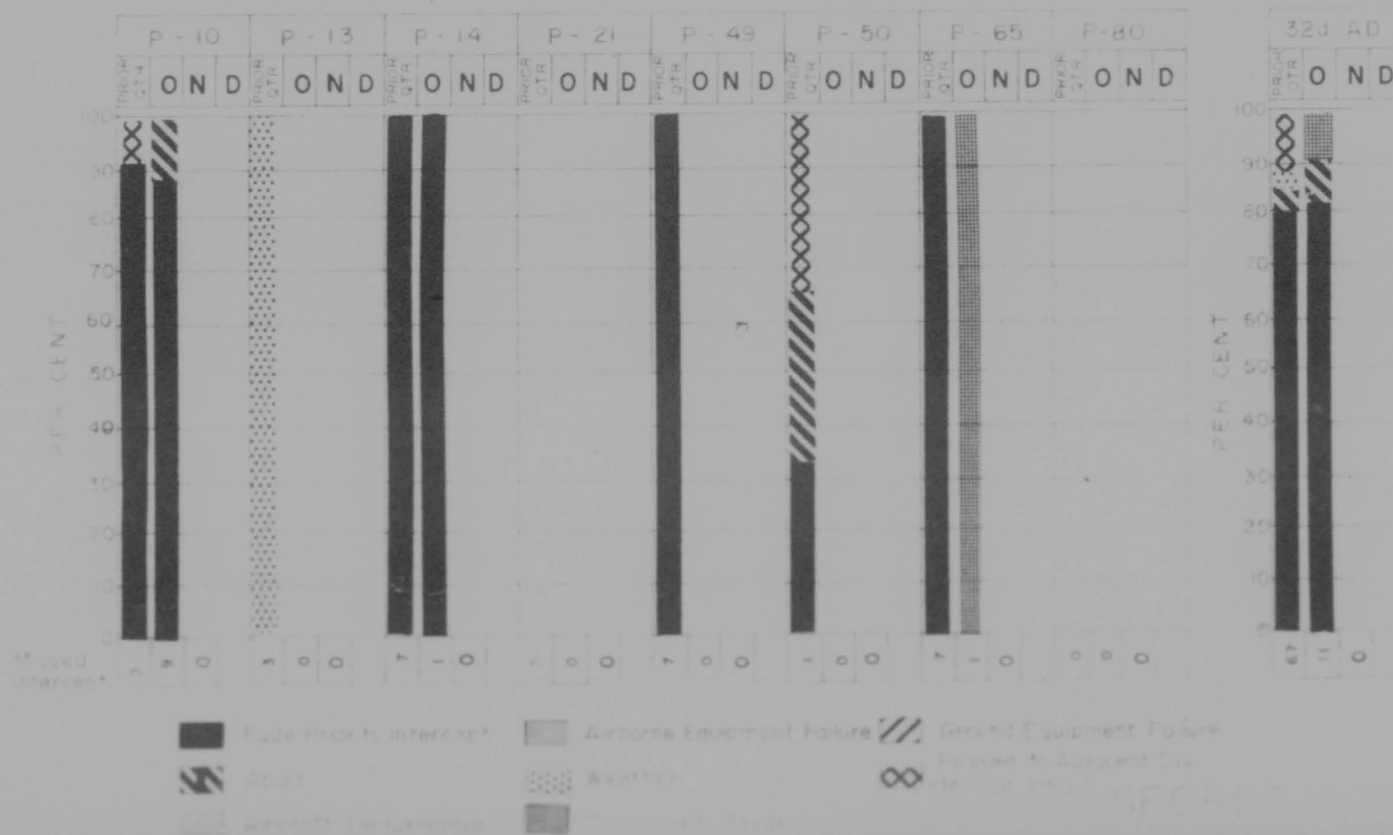
SECRET

0091

SECRET

32d AIR DIVISION (DEF)

REASONS FOR MISSED INTERCEPTS



0092

SECRET

DISTRIBUTION

COPIES

EADF Attn, Opns Analysis	1
ESF	1
EAAC Attn, Opns Analysis	1
CG32d AD(D)	12
CO 4707th Def Wg	1
CO 4711th Def Wg	1
CO 517th Air Def Gp	1
CO 518th Air Def Gp	1
CO 528th Air Def Gp	1
CO 564th Air Def Gp	1
CO 654th AC&W Sq	1
CO 655th AC&W Sq	1
CO 656th AC&W Sq	1
CO 762d AC&W Sq	1
CO 763rd AC&W Sq	1
CO 764th AC&W Sq	1
CO 765th AC&W Sq	1
CO 766th AC&W Sq	1
CO 27th FIS	1
CO 37th FIS	1
CO 47th FIS	1
CO 49th FIS	1
CO 318th FIS	1
CO 58th FIS	1
CO 60th FIS	1
CO 82nd FIS	1
CO 437th FIS	1

SECRET

0093



SECRET

TABLE OF CONTENTS

	Page
Summary Of Operations	2-3-4
Total Tracks Requiring Identification	5
Flight Plan Correlation	6
Non-Correlation (Mechanical Limitations & Other)	7
Non-Correlation (Mechanical Limitations)	8
Non-Correlation (Other)	9
Identification Effectiveness	10
Scramble Action On Unknowns	11
Reason For No Scramble	12
Intercept Efficiency	13
Reason For Missed Intercept	14
Distribution	15

SECRET

0095

SECRET

This document contains information affecting the United States within the meaning of the Espionage Laws, Title 18 U.S.C., Section 793 and 794. Its transmission or the revelation of the contents in any manner to an unauthorized person is prohibited by law. Reproduction of the contents is authorized provided security required by AF Regulation 205-1 is maintained.

In the event any information contained herein is extracted or the Publication is reproduced in any way, the source of the information should be indicated.

PREPARED BY
OFFICE OF THE COMPTROLLER
FOR DEPUTY OF OPERATIONS
32d AIR DIVISION (DEFENSE)

SECRET

0096

SECRET

SUMMARY OF AIR DEFENSE OPERATIONS
1-31 DECEMBER 1955

	P-10	P-13	P-14	P-21	P-49	P-50	P-65	P-80	32d AD
1. PENETRATION TRACKS	38	319	9	Neg	0	5	1206	1004	2581
2. WORKLOAD TRACKS	1373	1410	159	Neg	108	36	3185	1436	7707
3. GOC TRACKS									
a. TRACKS RECEIVED	116	211	265	212	189	246	1705	—	2944
b. TRACKS CORRELATED	101	188	231	110	178	160	1474	—	2442
4. NUMBER OF UNKNOWN TRKS	9	1	—	—	—	1	2	7	20
5. SCR ACTION INITIATED	7	1	—	—	—	1	1	6	16
6. NO SCR ACTION INITIATED	2	—	—	—	—	—	1	1	4
7. NUMBER OF INTERCEPT	7	1	—	—	—	1	—	4	13
8. NUMBER OF MISSED INTCP	—	—	—	—	—	—	1	—	1
9. IDENT PRIOR TO INTERCEPT	—	—	—	—	—	—	—	2	2
10. IDENT AFTER MISSED INTCP	—	—	—	—	—	—	—	—	—
11. IDENT W/O SCR INITIATED	2	—	—	—	—	—	1	1	4
12. REMAINED UNKNOWN	—	—	—	—	—	—	1	—	1
13. INTERCEPT EFFECT %	100	100	—	—	—	100	0	67	87
14. IDENT EFFECT %	100	100	—	—	—	100	100	100	100
15. * TRUE INTCP EFFECT %	100	100	—	—	—	100	100	100	100
16. FLIGHT PLANS RECEIVED	58	1756	7	Neg	108	N/A	1240	929	4098
17. FLT. PLANS CORR.	58	1737	7	Neg	107	N/A	1204	905	4018
18. CORRELATION %	100	99	100	Neg	99	N/A	97	88	98

REMARKS:

* Intercept Figures Preceded By Asterisk Is Determined By Intercepts
Divided By Total Of Scramble Less Identification Prior To Intercepts

SECRET

0097

SECRET

32D AIR DIVISION (DEF)
SUMMARY OF AIR DEFENSE OPERATIONS

1-31 DECEMBER 1955

18 REASON FOR NO SCRAMBLE ACTION	P-10	P-13	P-14	P-21	P-49	P-50	P-65	P-80	32AD
a. NO SCRAMBLE NOT REQUIRED (NSNR)	-	-	-	-	-	-	-	-	-
b. WEATHER (WX)	1	-	-	-	-	-	-	-	1
c. OUT OF INTERCEPT RANGE (OR)	-	-	-	-	-	-	-	-	-
d. NO AI EQPD FTR IN SUITABLE LOCATION (NAIF)	1	-	-	-	-	-	1	-	2
e. NO SCRAMBLE TAC DECISION (NSTD)	-	-	-	-	-	-	-	1	1
f. NO SCRAMBLE MULTIPLE CORR.IDENT. SYSTEM	-	-	-	-	-	-	-	-	-
19. REASON FOR MISSED INTERCEPTS	-	-	-	-	-	-	-	-	-
a. WEATHER (WX)	-	-	-	-	-	-	-	-	-
b. LATE SCRAMBLE (LS)	-	-	-	-	-	-	-	-	-
c. AIRBORNE EQUIPMENT FAILURE (AEF)	-	-	-	-	-	-	-	-	-
d. DARKNESS (DK)	-	-	-	-	-	-	-	-	-
e. ELECTRONICS COUNTERMEASURES (ECM)	-	-	-	-	-	-	-	-	-
f. ABORT (ABT)	-	-	-	-	-	-	-	-	-
g. PERSONNEL ERROR (PE)	-	-	-	-	-	-	-	-	-
h. GROUND EQUIPMENT FAILURE (GEF)	-	-	-	-	-	-	-	-	-
i. AIRCRAFT PERFORMANCE (ACP)	-	-	-	-	-	-	-	-	-
j. FADE PRIOR TO INTERCEPT (FPI)	-	-	-	-	-	-	1	-	1
k. PASSED TO 26th AD (DEF)	-	-	-	-	-	-	-	-	-

REMARKS

SECRET

0098

SECRET

32d AIR DIVISION FLIGHT PLAN CORRELATION

1-31 DECEMBER 1955

	P-10	P-13	P-14	P-21	P-49	P-50	P-65	P-80	32d AD
FLIGHT PLANS RECEIVED	58	1756	7	NEG	108	N/A	1240	929	4098
FLIGHT PLANS CORRELATED	58	1737	7	NEG	107	N/A	1204	905	4018
FLIGHT PLANS NOT CORR.	0	19	0	NEG	1	N/A	36	24	80

REASONS FOR NON CORRELATION (Mechanical Limitations)

1. SCHEDULED MAINTENANCE	-	9	-	-	1	-	7	3	20
2. EMERGENCY MAINTENANCE	-	-	-	-	-	-	5	-	5
3. OUT OF CALIBRATION LIMITS	-	9	-	-	-	-	10	5	24
5. GROUND CLUTTER	-	-	-	-	-	-	3	-	3
9. OTHER *	-	-	-	-	-	-	10	2	12
TOTAL	-	18	-	-	1	-	35	10	64

(Other than Mechanical Limitations)

4. WEATHER	-	-	-	-	-	-	1	1	2
6. LATE FLIGHT PLAN	-	-	-	-	-	-	-	6	6
7. DEVIATED FLIGHT PLAN	-	1	-	-	-	-	-	6	7
8. PERSONNEL ERROR	-	-	-	-	-	-	-	1	1
TOTAL	-	1	-	-	-	-	1	14	16
GRAND TOTAL	-	19	-	-	1	-	36	24	80

* Most Common Reason For No 9

(SECRET) when filed in

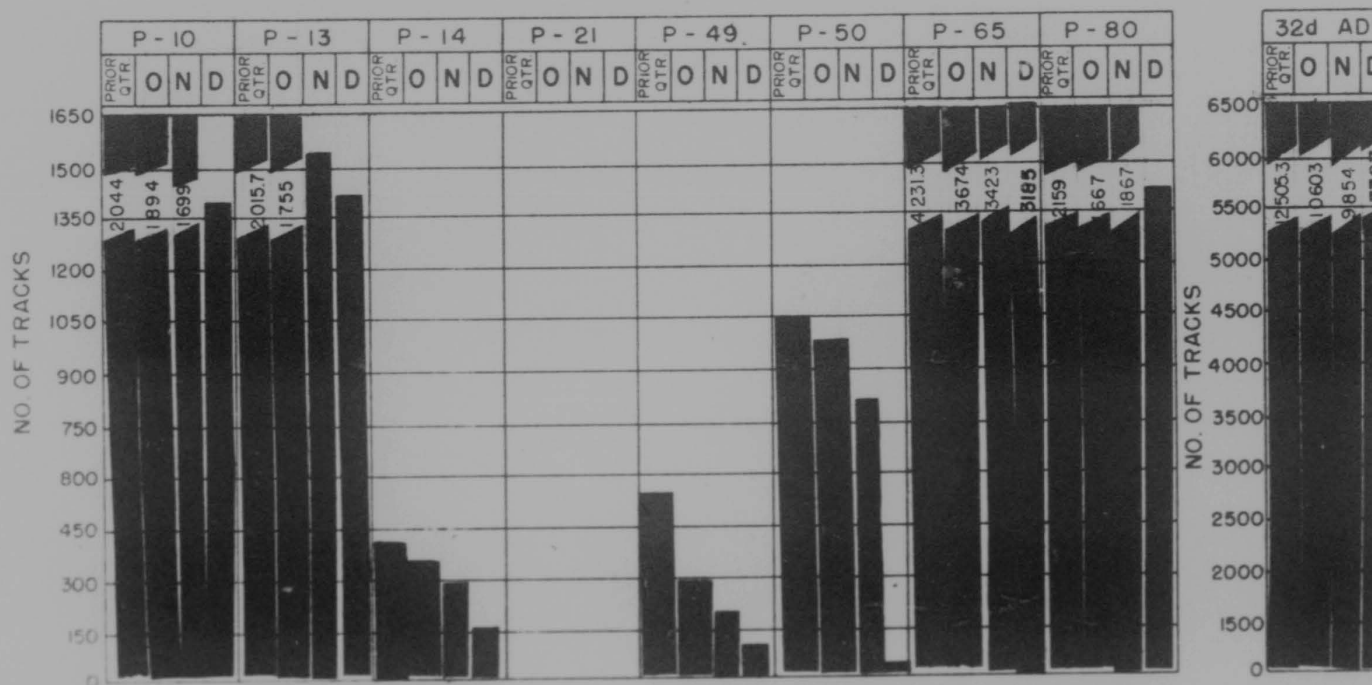
SECRET

0099

SECRET

32d AIR DIVISION (DEF)

TOTAL TRACKS REQUIRING IDENTIFICATION



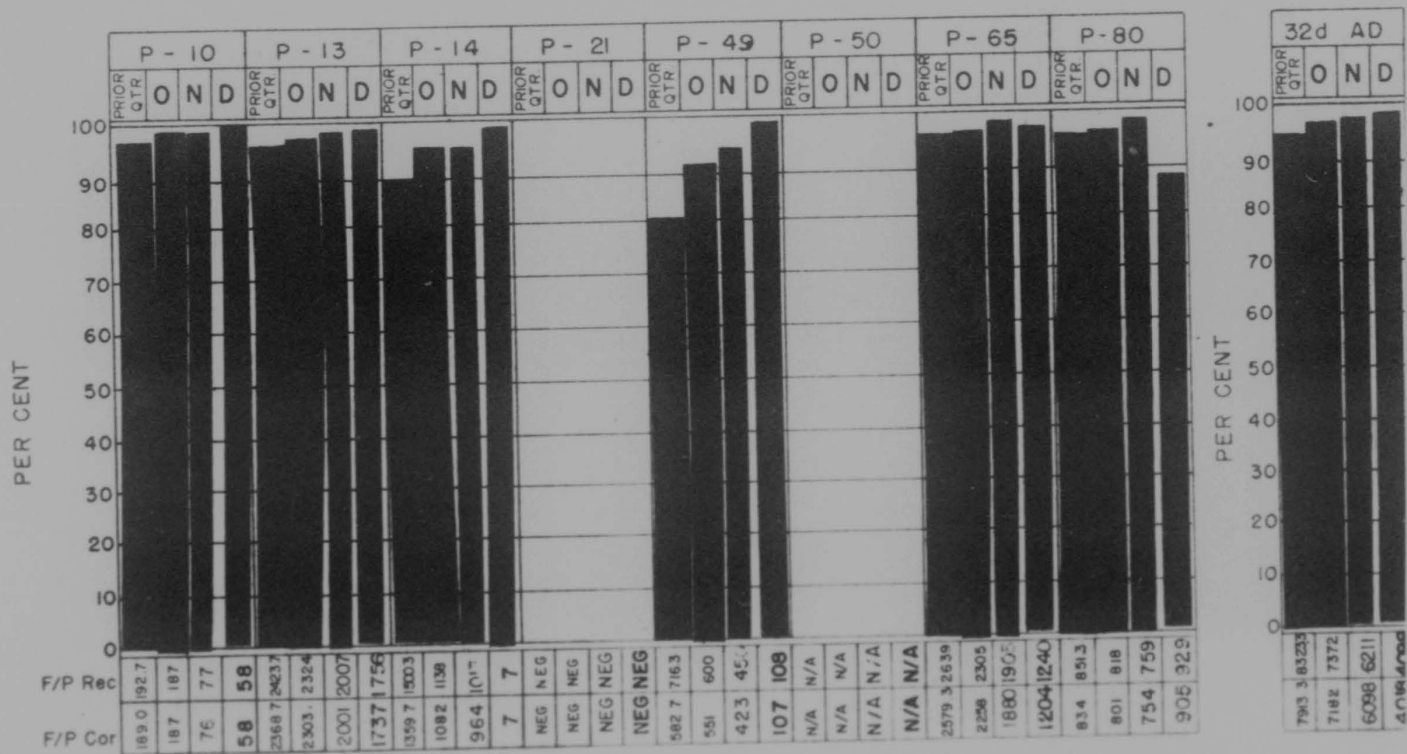
SECRET

0100

SECRET

32d AIR DIVISION (DEF)

FLIGHT PLAN CORRELATION



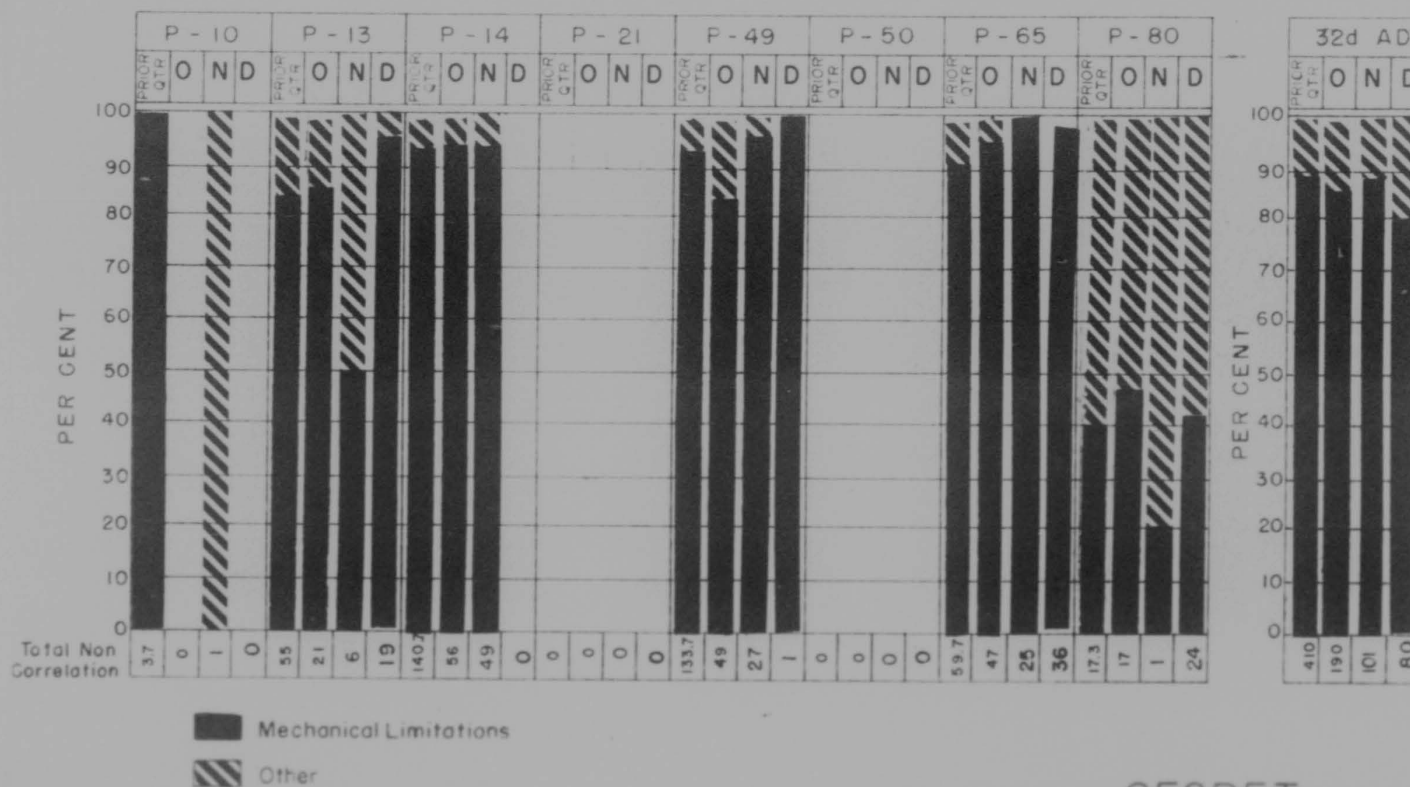
SECRET

0101

SECRET

32d AIR DIVISION (DEF)

NON - CORRELATIONS



SECRET

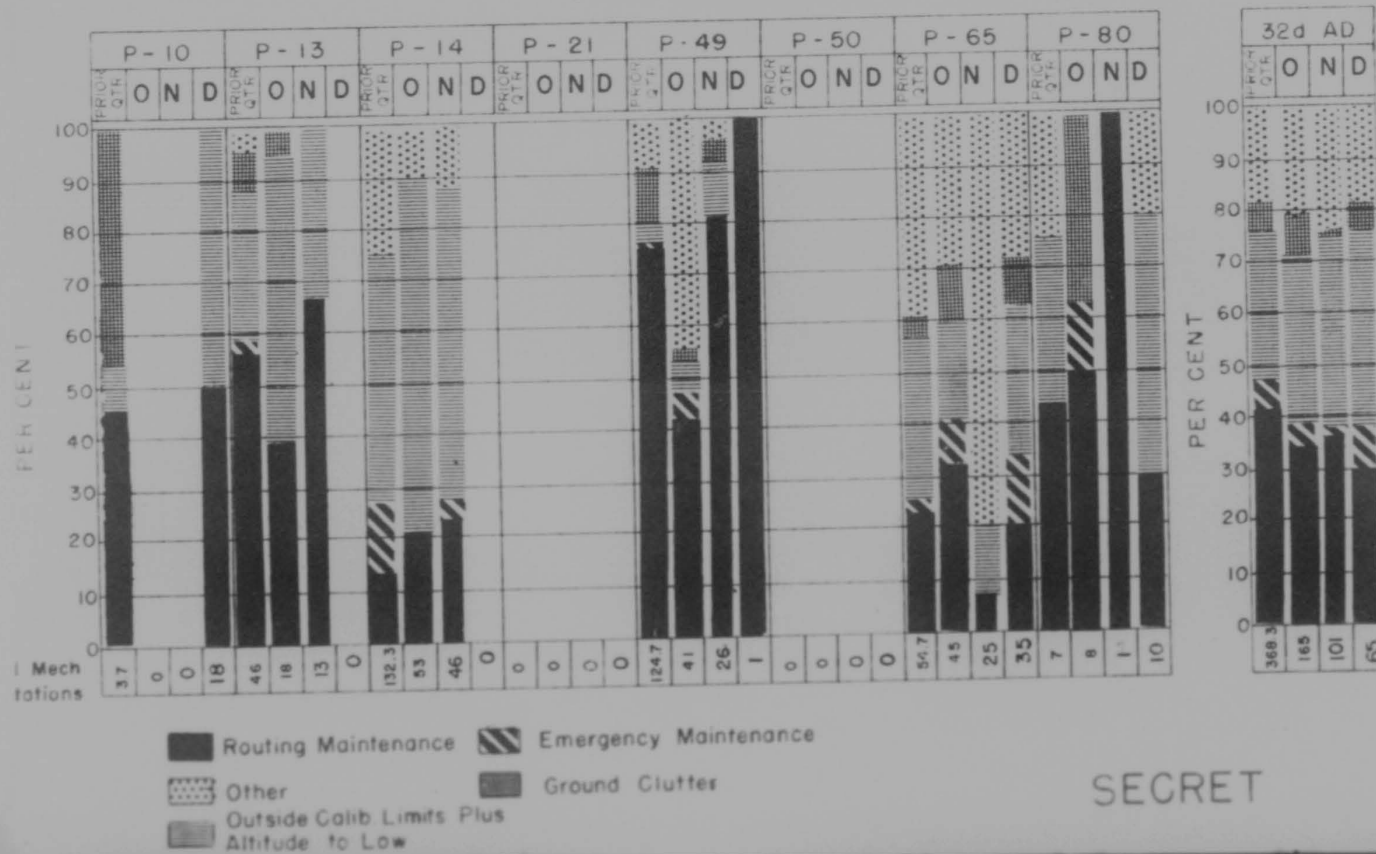
0102

SECRET

32d AIR DIVISION (DEF)

NON-CORRELATIONS

(Mechanical Limitations)



SECRET

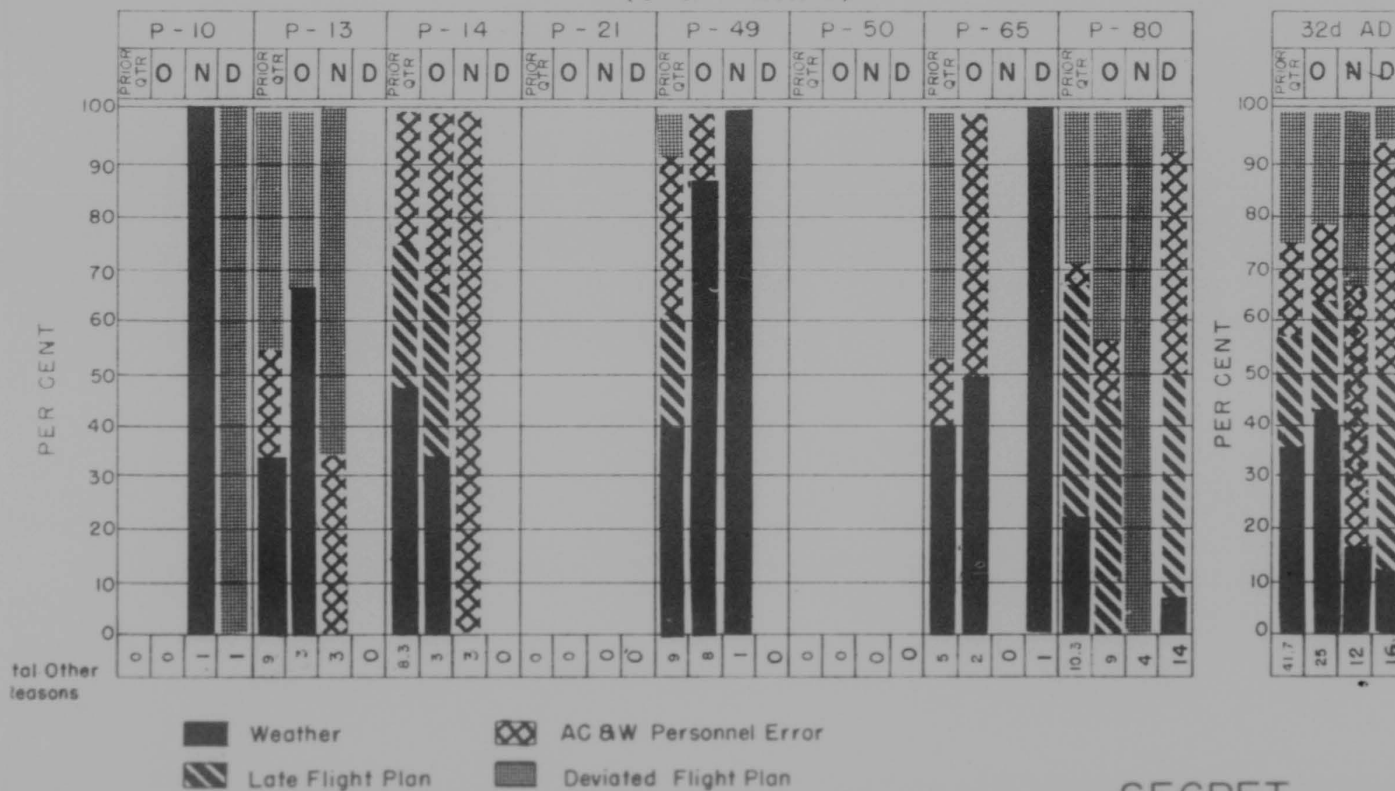
0103

SECRET

32d AIR DIVISION (DEF)

NON-CORRELATIONS

(Other Reasons)



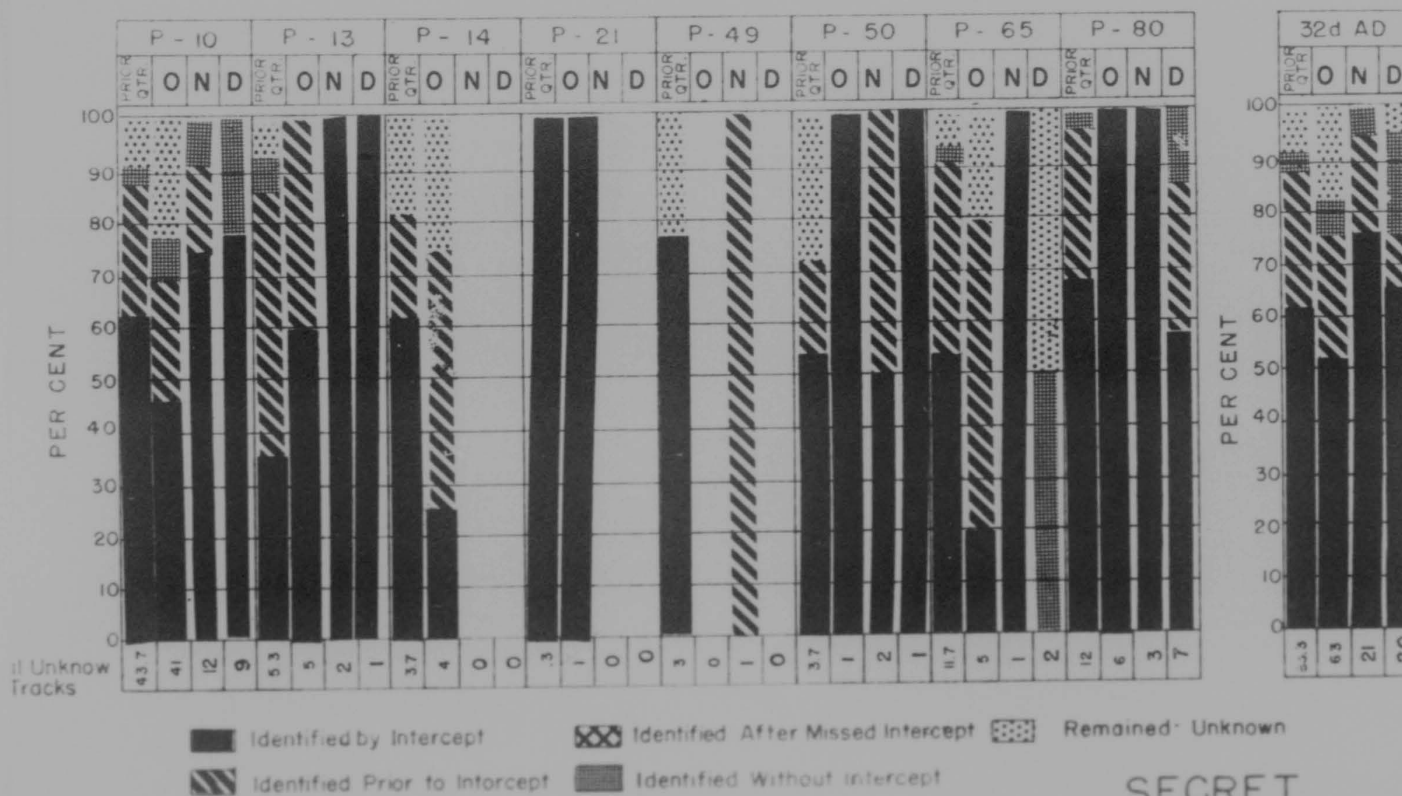
SECRET

0104

SECRET

32d AIR DIVISION (DEF)

IDENTIFICATION EFFECTIVENESS



SECRET

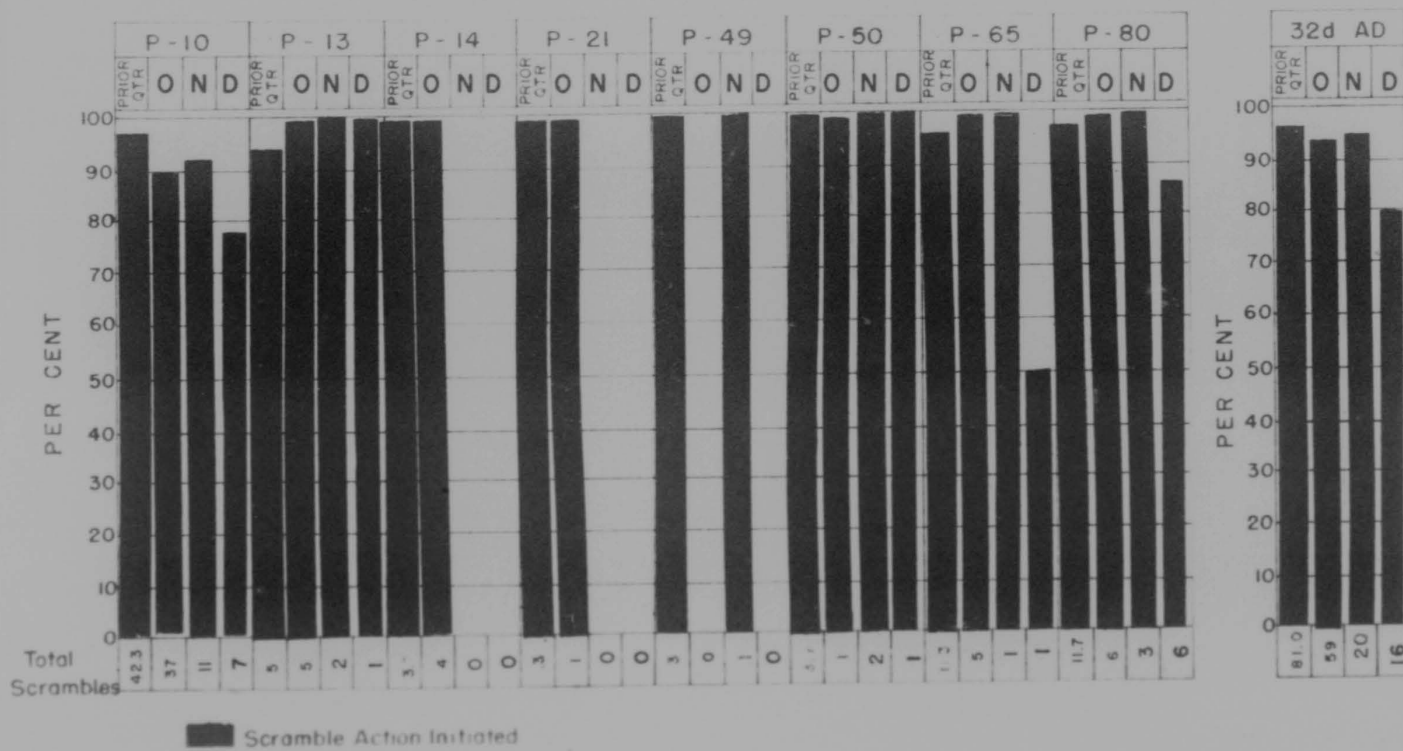
10

0105

SECRET

32d AIR DIVISION (DEF)

SCRAMBLE ACTION



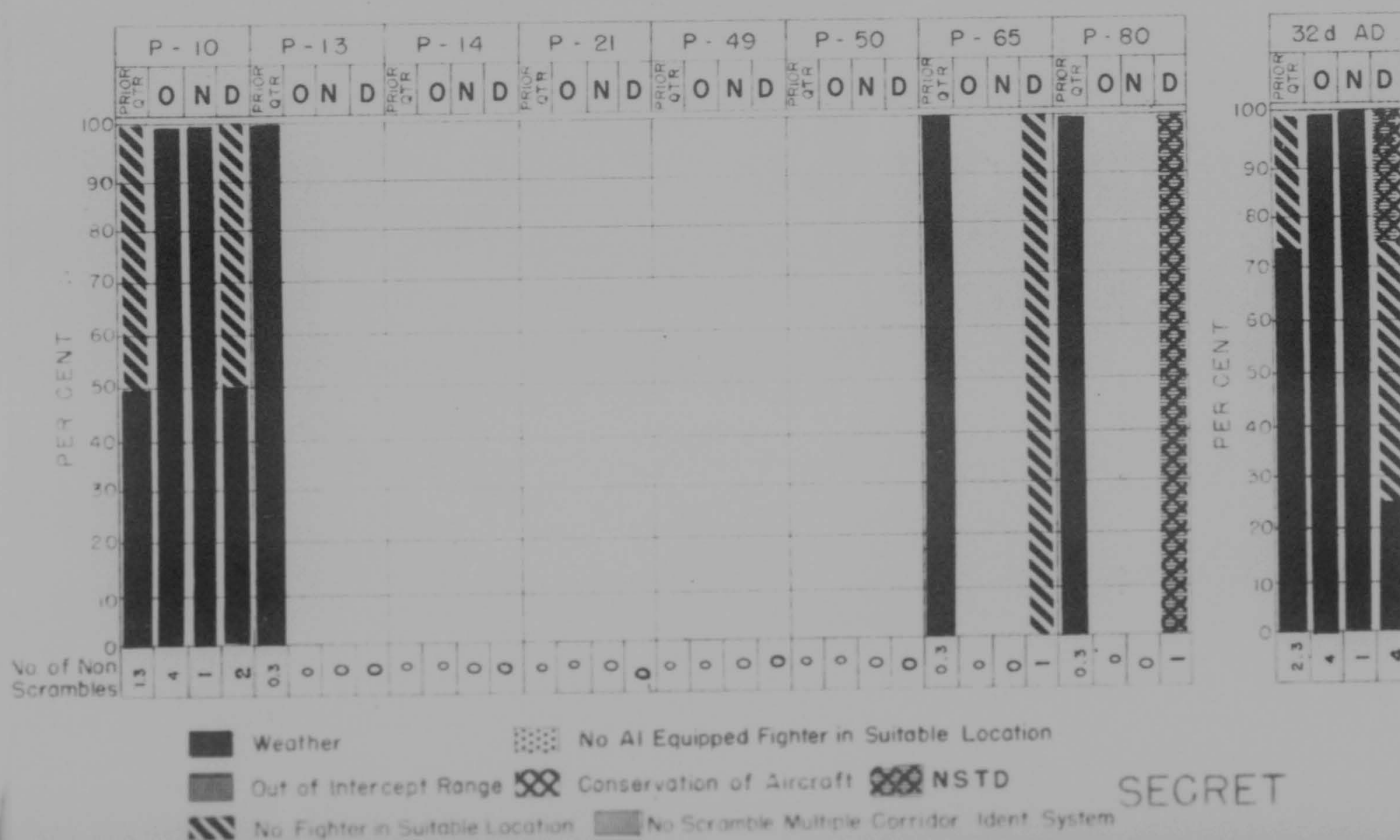
SECRET

0106

SECRET

32d AIR DIVISION (DEF)

REASONS FOR NO SCRAMBLE



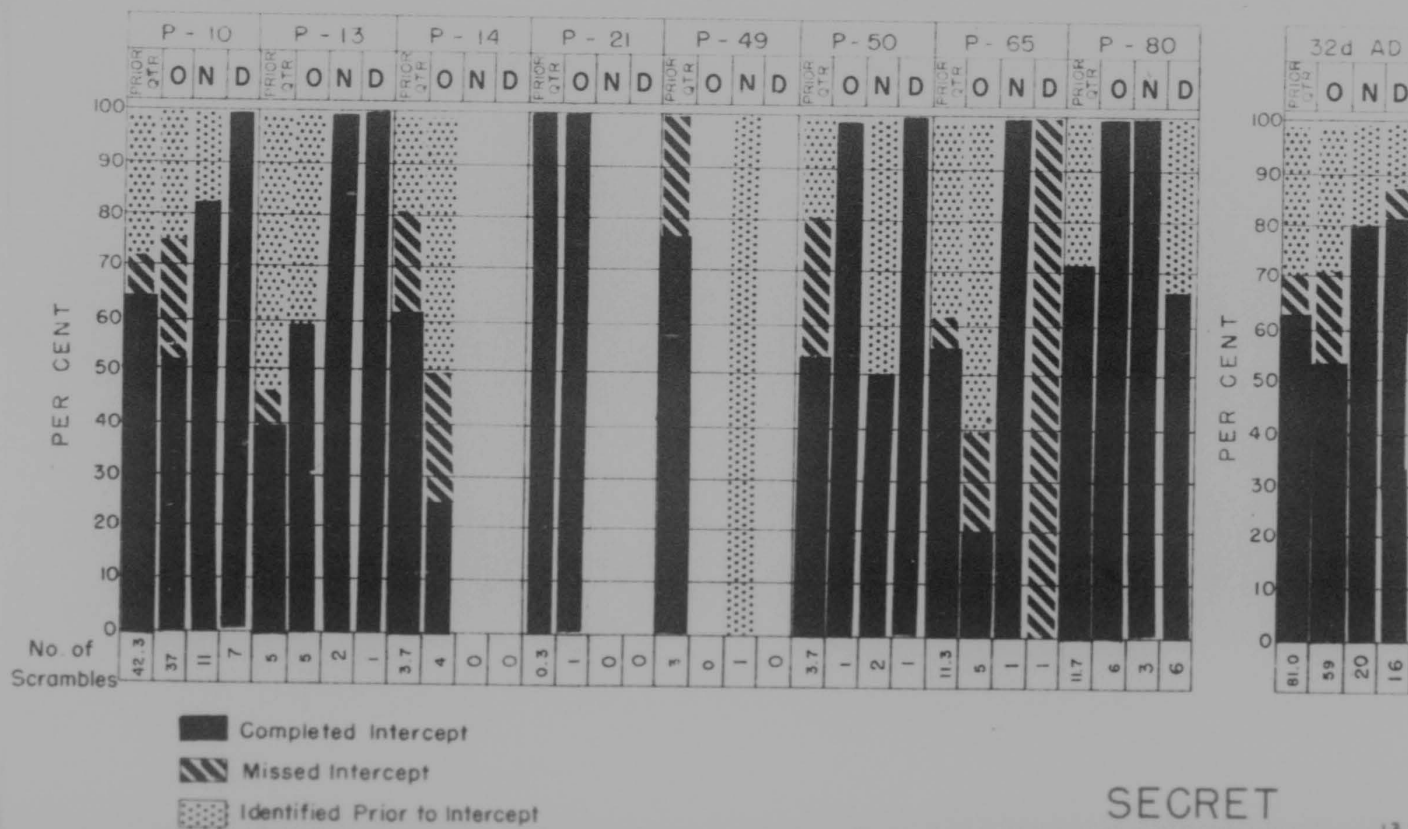
SECRET

0107

SECRET

32d AIR DIVISION (DEF)

INTERCEPT EFFICIENCY

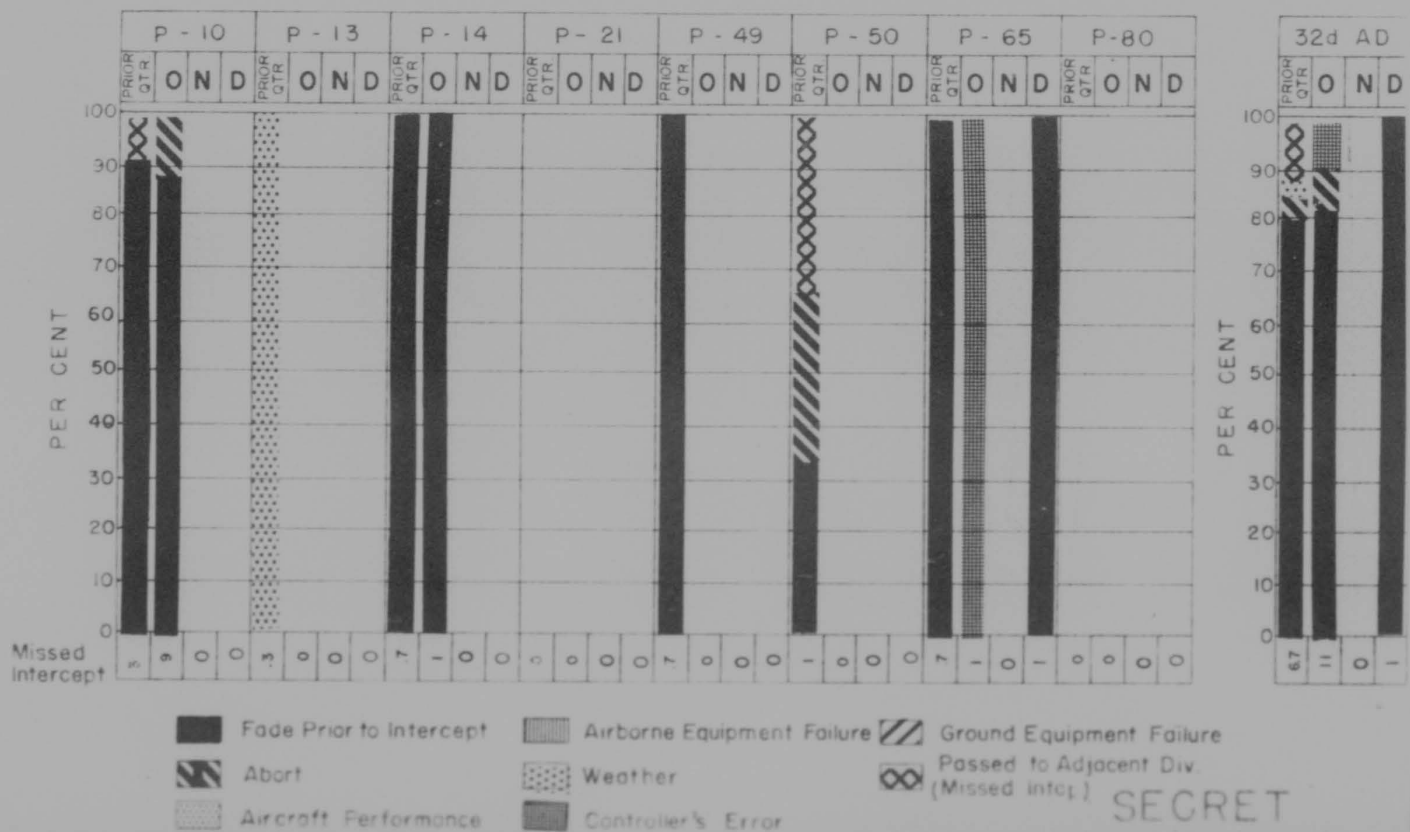


SECRET

SECRET

32d AIR DIVISION (DEF)

REASONS FOR MISSED INTERCEPTS



SECRET

0109

SECRET

DISTRIBUTION

	COPIES
EADF Attn; Opns Analysis	1
ESF	1
EAAC Attn; Opns Analysis	1
CG32d AD (D)	12
CO 4707th Def Wg	1
CO 4711th Def Wg	1
CO 517th Air Def Gp	1
CO 518th Air Def Gp	1
CO 528th Air Def Gp	1
CO 564th Air Def Gp	1
CO 654th AC&W Sq	1
CO 655th AC&W Sq	1
CO 656th AC&W Sq	1
CO 762d AC&W Sq	1
CO 763rd AC&W Sq	1
CO 764th AC&W Sq	1
CO 765th AC&W Sq	1
CO 766th AC&W Sq	1
CO 27th FIS	1
CO 37th FIS	1
CO 47th FIS	1
CO 49th FIS	1
CO 318th FIS	1
CO 58th FIS	1
CO 60th FIS	1
CO 82nd FIS	1
CO 437th FIS	1

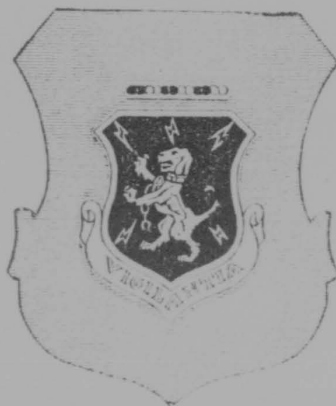
SECRET

15

0110

SECRET

HISTORICAL REPORT
of the
32d AIR DIVISION (DEFENSE)



THE AIR DEFENSE OF A SECTOR
JULY through DECEMBER 1955

SUPPORTING DOCUMENTS VI

HISTORICAL OFFICE
SYRACUSE AIR FORCE STATION, NEW YORK

SECRET

RSI
S 1/282

0115

SECRET

SECRET
S 17082

SECRET

0116

SECRET

THIS DOCUMENT CONTAINS INFORMATION
AFFECTING THE NATIONAL DEFENSE OF THE
UNITED STATES WITHIN THE MEANING OF THE
ESPIONAGE LAWS, TITLE 18, U.S.C., SEC-
TIONS 793 AND 794. ITS TRANSMISSION OR
THE REVELATION OF ITS CONTENTS IN ANY
MANNER TO AN UNAUTHORIZED PERSON IS
PROHIBITED BY LAW.

THIS IS COPY NO 2 OF 4 COPIES.

SECRET

0117

SECRET

HISTORICAL REPORT
OF THE
32D AIR DIVISION (DEFENSE)
NUMBER NINETEEN
THE AIR DEFENSE OF A SECTOR
JULY THROUGH DECEMBER 1955

RCS: AU-D5

SUPPORTING DOCUMENTS
VOLUME VI
(DOCUMENTS 277 THRU 306)

SECRET

56-1200

0118

COPY

CONFIDENTIAL

COPY

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

OCE

16 Dec 1955

SUBJECT: REPORT OF ELECTRONIC COUNTERMEASURES ACTIVITIES
(RCS: ADC F-5 EADF-2)

TO: COMMANDER
4713 RADAR EVALUATION (ECM) FLIGHT
GRIFFISS AIR FORCE BASE
ROME, NEW YORK

1. IN ACCORDANCE WITH EADF LETTER EA00T-IV, DATED 6 MAY 1955,
SUBJECT: REPORT OF ELECTRONIC COUNTERMEASURES ACTIVITIES, THE
FOLLOWING REPORT IS SUBMITTED FOR THE PERIOD 1 OCTOBER 1955 THROUGH
30 NOVEMBER 1955:

A. FIGHTER-INTERCEPTOR SQUADRONS:

- (1) 27TH FIS 160:00 NO. MAN HRS. ECCM GRD. TNG.
94C FIS HAVE 0:00 NO. ECM INTERCEPTS IN SIMULATOR.
NO SIMULATORS 0:00 NO. ECM AIRBORNE INTERCEPTS
COMPLETED.
- (2) 37TH FIS 50:00
70:00
5:00
- (3) 47TH FIS 76:00
0:00 SIMULATOR REMOVED FOR MODIFICATI
3:00
- (4) 49TH FIS 0:00
0:00 NO SIMULATOR, BUT ONE IS PRO-
19:00 GRAMMED.
- (5) 58TH FIS 24:00
19:00
18:00
- (6) 60TH FIS 228:00
94C FIS HAVE 0:00
NO SIMULATORS. 22:00

CONFIDENTIAL

2454-55

0119

COPY

CONFIDENTIAL

COPY

Hq 32d AD(D) OCE SUBJECT: REPORT OF ELECTRONIC COUNTERMEASURES
ACTIVITIES (RCS: ADC H-5 EADF-2)

- (7) 75TH FIS 195:00
60:00
4:00
- (8) 37:00 DEPLOYED TO MOOD AFB
0:00 DURING REPORTING PERIOD.
8:00
- (9) 337TH FIS 90:00
116:00
8:00

B. AIRCRAFT CONTROL AND WARNING SQUADRONS:

- (1) 554TH ACWRON 370:00 No. MAN HRS. ECCM GRD TNG.
0:00 No. HRS. ECM TNG JAMMING
SIMULATOR
5:30 TOTAL HRS. AIRBORNE JAMMING
RECD. FROM 4713TH REVFLT.
9:00 TOTAL HRS. AIRBORNE JAMMING
RECD. FROM OTHER AGENCIES.
- (2) 655TH ACWRON 341:30
0:00
0:56
0:47
- (3) 656TH ACWRON 683:17
70:28
3:43
3:05
- (4) 762ND ACWRON 683:00
7:00
9:00
2:00
- (5) 763RD ACWRON 450:12
6:00
7:51
0:00

2
CONFIDENTIAL

2454-55

0 1 2 0

COPY

COPY

CONFIDENTIAL

Hq 32d AD(D) OCE SUBJECT: REPORT OF ELECTRONIC COUNTERMEASURES
ACTIVITIES (RCS: ADC H-5 EADF-2)

- (6) 764TH ACMRON 721:00
93:30
3:04
2:16
- (7) 765TH ACMRON 235:00
30:00
5:22
6:25
- (8) 766TH ACMRON 513:00
25:00
2:15
0:00

C. NO NEW ELECTRONIC COUNTER-COUNTERMEASURES TECHNIQUES OR TACTICS WERE DEVELOPED DURING THE REPORTING PERIOD.

D. FACTORS HAMPERING THE ECCM PROGRAM ARE AS FOLLOWS:

- (1) LACK OF UP-TO-DATE ECM AND ECCM TRAINING FILMS AND AIDS.
- (2) INSUFFICIENT ECM AND/OR ECCM MATERIAL ON SWEEP JAMMING AND COMMUNICATION JAMMING.
- (3) IN ADEQUATE TYPE OF TRAINING AIRCRAFT.

E. RECOMMENDATIONS PERTINENT TO THE ELECTRONIC COUNTER-COUNTERMEASURES PROGRAM ARE AS FOLLOWS:

- (1) RECOMMEND LATEST ECM AND ECCM FILMS, MANUALS, AND OTHER TRAINING AIDS BE PROGRAMMED, PARTICULARLY ON SWEEP AND COMMUNICATIONS JAMMING.
- (2) AIRBORNE ECM FLIGHTS ARE NOT JAMMING RADIO FREQUENCIES; AND THEREFORE, ACTUAL JAMMING PRACTICE FOR RADIO OPERATORS AND FIGHTER PILOTS AT PRESENT IS NOT POSSIBLE. RECOMMEND THAT ONE OF THE DIVISION FREQUENCIES NOT BEING FULLY UTILIZED BE AUTHORIZED AS A PRACTICE JAMMING FREQUENCY.

CONFIDENTIAL
3

2454-55

COPY

CONFIDENTIAL

COPY

Hq 32d AD(D) OCE SUBJECT: REPORT OF ELECTRONIC COUNTERMEASURES
ACTIVITIES (RCS: ADC H-5 EADF-2)

- (3) RECOMMEND THAT TB-29 AND TB-25 ECM TYPE AIRCRAFT BE REPLACED AS SOON AS POSSIBLE WITH SAC TYPE B-36 OR JET AIRCRAFT WHICH ARE USED DURING EXERCISE PENETRATIONS AND WOULD BE USED IN THE EVENT OF AN ACTUAL ATTACK. SAC TYPE AIRCRAFT OR AN ECM DESIGNED AIRCRAFT WOULD MAKE RADAR AND ECM TRAINING THROUGH-OUT ADC MORE REALISTIC.

F. THE AEW&C UNITS HAVE NOT BEEN PLACED UNDER EADF FOR ECM TRAINING TO DATE.

G. AAA UNITS:

- (1) NIAGARA FALLS (N.Y.) AREA: 1437 MAN HRS. OF
2ND AAA GROUP ECCM GRD TNG.
- (2) BOSTON (MASS) AREA; 960
15TH AAA GROUP
- (3) LORING AFB (ME) AREA: 564

FOR THE COMMANDER:

INFO COPY:
COMDR, EADF

/s/ GUY H. FOSTER
/t/ GUY H. FOSTER
CAPT., USAF
ASST ADJUTANT

CONFIDENTIAL

C O P Y

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
Syracuse Air Force Station
Syracuse 6, New York

OOT-A

26 Jul 1955

SUBJECT: Report on Exercise "Picket Fence"

TO: Commander
Eastern Air Defense Force
Stewart Air Force Base
Newburgh, New York

1. The following information is forwarded in accordance with your operations order 37-55, nicknamed "Picket Fence":

a. 95 interceptor aircraft were available and all were ordered scramble. However, there were 8 shorts and so 87 intercepts were attempted. There were 62 successful Tally Ho's and Missions Accomplished (simulated splashed) reported. The 25 missed intercepts were due to the following reasons: 6 due to ECM (ground radar), 6 due to target fading prior to intercept, 7 due to personnel error, 3 due to aircraft performance and 3 due to ground equipment failure.

b. During the exercise 63 jamming reports were received from ground radar. The effectiveness of the jamming was as follows: there were 28 instances of condition 1 jamming (least effective), 14 of condition 2, 17 of condition 3, 2 of condition 4 and 2 of condition 5 (most effective). The CPS 6B was the only equipment to experience jamming. No jamming reports were received from FPS-3 radar sites or from airborne radar. Anti-jamming techniques were generally successful in reducing the effectiveness of the jamming. This was especially true in those instances where condition 4 and 5 jamming was experienced.

c. The exercise in general was considered successful from an air defense standpoint. However, due to the fact that this exercise was conducted at the same time as the Command Post Exercise "Fire Cracker", attention of the operations and staff personnel was necessarily divided between the two exercises. This headquarters realizes that when target aircraft such as those used in this exercise become available, maximum utilization must be made of these aircraft for air defense training purposes. Therefore, it is recommended that when this situation occurs

55-2981

0123

C O P Y

Hq 32D AD(D) OOT-A Subject: Report on Exercise "Picket Fence" Cont'd

again at the same time that an EADP Command Post Exercise is scheduled, the command Post Exercise be postponed until after the other exercise is completed.

FOR THE COMMANDER:

s/ Everitt W. Howe
t/ EVERITT W. HOWE
Major, USAF
Adjutant

Info cy:
Comdr, 2d AF

15-2951

0 1 2 4

C O P Y

SECRET

C O P Y

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

OOT-A

15 SEP 1955

SUBJECT: REPORT ON EXERCISE "THINKFAST 17"

TO: COMMANDER
EASTERN AIR DEFENSE FORCE
STEWART AIR FORCE BASE
NEWBURGH, NEW YORK

1. "THINKFAST 17" PROVED TO BE ONE OF THE MOST SUCCESSFUL TRAINING MISSIONS CARRIED OUT BY THIS DIVISION IN RECENT MONTHS. EARLY WARNING FROM THE NORTH AND NORTHEAST WHICH HAS LEFT MUCH TO BE DESIRED IN THE PAST, WAS CONSIDERABLY IMPROVED, MAINLY DUE TO THE RECENT INSTALLATION OF EARLY WARNING TELETYPE MACHINES. CROSSTELLING BETWEEN ADDC'S, ANOTHER PROBLEM OF LATE, WAS CARRIED OUT IN A VERY SATISFACTORY MANNER. THIS DIVISION HAS BEEN PUTTING FORTH A CONTINUOUS EFFORT TO RAISE PROFICIENCY IN CROSSTELLING.

2. NO INFORMATION WAS GIVEN TO ADDC'S PRIOR TO START OF THE MISSION. WHEN EARLY WARNING WAS RECEIVED VIA TELETYPE FROM NEAC, ADDC ORDERED PARTICIPATING AIRCRAFT TO A ONE HOUR STATE. FROM THAT POINT ON ALL PHASES OF THIS EXERCISE WERE COMPLETELY DECENTRALIZED.

3. ALL INTERCEPTOR UNITS PARTICIPATED WITH THE EXCEPTION OF THOSE BASED AT OTIS, WHICH WAS TOO FAR AWAY FROM THE ROUTE OF FLIGHT FOR USE WITHOUT DEPLOYING THOSE FIGHTERS. INTERCEPTORS BASED AT PRESQUE ISLE WERE LIMITED DUE TO A NUMBER OF THOSE AIRCRAFT BEING DEPLOYED FOR THE PHILADELPHIA NATIONAL AIR SHOW. TWELVE INTERCEPTORS FROM THE 26TH AIR DIVISION WERE SCRAMBLED AND TURNED OVER TO 32D AIR DIVISION FOR CONTROL.

4. A TOTAL OF 29 B-47 TARGETS WERE DETECTED AND ALL WERE INTERCEPTED. A TOTAL OF 163 SCRAMBLES WERE AFFECTED WITH A RESULTING 130 SUCCESSFUL INTERCEPTS. THERE WERE 10 ABORTS FOR VARIOUS REASONS, 19 MISSED INTERCEPTS DUE TO PERSONNEL ERROR, 3 MISSED INTERCEPTS, AIRBORNE EQUIPMENT FAILURE AND 1 MISSED INTERCEPT DUE TO WEATHER.

FOR THE COMMANDER:

SECRET

/S/ EVERITT W. HOWE
/T/ EVERITT W. HOWE
MAJOR, USAF

0125

COPY

SECRET
HEADQUARTERS
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

COPY

OOT-A

26 Oct 1955

SUBJECT: REPORT OF EXERCISE "THINKFAST #13"

TO: COMMANDER
EASTERN AIR DEFENSE FORCE
STEWART AIR FORCE BASE
NEWBURGH, NEW YORK

1. THE FOLLOWING IS AN INFORMAL NARRATIVE REPORT OF THIS AIR DIVISION'S PARTICIPATION IN EXERCISE "THINKFAST #13":

12 OCTOBER 1955

EXERCISE "THINKFAST #13" BEGAN AT APPROXIMATELY 2210Z ON 12 OCTOBER 1955, WHEN SEVERAL UNKNOWN TRACKS WERE DETECTED. EARLY WARNING INFORMATION ON THESE TRACKS WAS PASSED TO ALL ADDC'S AT THIS TIME. AS THE TRACKS PROGRESSED, THE NORTH TRURO ADDC BECAME SATURATED BY ECM JAMMING AND WAS UNABLE TO DETECT TARGETS THROUGH THE ECM. AT THIS TIME ALL EXERCISE TRACKS WERE REPORTED AS CONTACT LOST. THE JAMMING EXPERIENCED AT NORTH TRURO WAS SO EFFECTIVE THAT THE EXERCISE AIRCRAFT HAD MOVED OUT OF THE AREA BEFORE THE CONFUSION CAUSED BY THE COMPLETE ECM SATURATION COULD BE CORRECTED. WHEN THESE TRACKS HAD BEEN FADED FOR 15 MINUTES, THEY WERE SCRUBBED. IT WAS LEARNED THAT MISSION AIRCRAFT WERE HEADING NORTHWEST AND WERE UNDER ATTACK BY AIRCRAFT CONTROLLED BY P-30.

AN ATTACK WAS ATTEMPTED AGAINST THIS FORCE AS IT APPROACHED OUR AREA, HOWEVER, THE ADDC AT LOCKPORT EXPERIENCED HEAVY ECM AND WAS UNABLE TO COMPLETE THE ATTEMPTED INTERCEPTS.

OUT OF THE TOTAL OF 15 AIRCRAFT SCRAMBLED DURING 12 OCTOBER 1955, NO MA'S WERE ACCOMPLISHED. IT IS BELIEVED THAT THE EFFECTIVENESS OF ECM WAS THE PRINCIPLE CAUSED FOR THE FAILURE TO COMPLETE INTERCEPTS ON MISSION AIRCRAFT DURING THE FIRST DAY OF THE EXERCISE.

13 OCTOBER 1955

THE FIRST EXERCISE TRACKS DETECTED THE SECOND DAY OF "THINKFAST #13" WERE AT 2227Z. OTIS INTERCEPTORS HAD BEEN PLACED ON FIVE-MINUTE ALERT AT 2210Z DUE TO INFORMATION FROM THE 26TH AIR DIVISION THAT THEY WERE ON SIMULATED "COCKED PISTOL".

SECRET

553911

0126

C O P Y

SECRET

C O P Y

Hq 32D AD(D) 00T-A SUBJECT: REPORT OF EXERCISE "THINKFAST #18"
(CONT'D)

ALL ECM ACTIVITIES WERE CANCELLED BY THE STRIKE FORCE UPON TRANSMISSION OF THE APPROPRIATE CODE WORD BY THE 26TH AIR DIVISION. SOME CHAFF WAS INDICATED AFTER THIS BUT IT WAS NOT VERY EFFECTIVE. SINCE MANY OF THE TRACKS WERE PENETRATING ON THE BORDER BETWEEN THE 26TH AIR DIVISION AND THE 32D AIR DIVISION, THE SURVEILLANCE WAS BEING FLASHED BY THE 26TH AIR DIVISION, THE TACTICAL ACTION BY THE 32D AIR DIVISION. THIS LEAD TO SOME CONFUSION AS COMMITTED FIGHTERS WERE INTERMITTENTLY DIVERTED TO OTHER TRACKS.

TWO OF THE EXERCISE TRACKS WERE DETECTED BY PICKET VESSELS ABOUT THE SAME TIME THE P-10 PICKED THEM UP. AAA AT BOSTON HAD 4 NIKE AND 6 GUNS ON "BLAZING SKY" SHORTLY AFTER INITIAL DETECTION.

AFTER THE EXERCISE AIRCRAFT LEFT OUR DIVISION AREA, THEY PROCEEDED WESTWARD TO THE 26TH AIR DIVISION AND PASSED CLOSE ENOUGH TO NIAGARA SO THAT THE LOCKPORT ADDC WAS ABLE TO COMPLETE SEVERAL INTERCEPTS. THE WEATHER THROUGHOUT THE LOWER PART OF THE DIVISION AREA WAS MARGINAL WITH WESTOVER AFB ON MANDATORY SCRAMBLE.

DURING THIS PHASE OF THE EXERCISE, 21 AIRCRAFT WERE SCRAMBLED, 18 MA'S WERE ACCOMPLISHED AND THREE AIRCRAFT ABORTED. THIS PHASE OF THE EXERCISE SHOWED A MARKED IMPROVEMENT OVER THAT OF THE FIRST PHASE, HOWEVER, THERE WERE STILL SOME MINOR DISCREPANCIES AS FAR AS FORWARD-TELLING OF TACTICAL DATA WAS CONCERNED. IT IS BELIEVED THAT ONE OF THE MAIN REASONS FOR THE CONSIDERABLE IMPROVEMENT DURING THE SECOND PHASE OF THE EXERCISE WAS DUE TO THE FACT THAT STRIKE AIRCRAFT CEASED MOST ECM ACTIVITY UPON RECEIPT OF THE APPROPRIATE CODE WORD FROM THE 26TH AIR DIVISION.

14 OCTOBER 1955

DURING THE THIRD PHASE OF "THINKFAST #18", NO TACTICAL ACTION WAS INITIATED AGAINST THE STRIKE FORCE DUE TO HIGH WINDS AND MARGINAL WEATHER THROUGHOUT THE DIVISION AREA. SURVEILLANCE REPORTING WAS GOOD AND ALL TACTICAL ACTION WAS NSWX (NO SCRAMBLE WEATHER). NO ECM WAS REPORTED DURING THIS PHASE OF THE EXERCISE. BOSTON AAA HAD 4 NIKE ON "BLAZING SKY" AND NIAGARA HAD 4 NIKE AND 4 GUNS ON 5 MINUTES.

B. QUALITY OF EARLY WARNING: THERE WAS NO EARLY WARNING OF THE ATTACK ON 12 OCTOBER 1955. EARLY WARNING WAS SUPPLIED BY PICKET VESSEL ON MISSION OF 13 OCTOBER 1955. EARLY WARNING WAS PROVIDED BY PICKET VESSELS FOR EXERCISE OF 14 OCTOBER 1955, ALTHOUGH NO SCRAMBLES WERE MADE DUE TO WEATHER.

SECRET

553911

0127

COPY

SECRET

COPY

Hq 32D AD(D) OOT- SUBJECT: REPORT OF EXERCISE "THINKFAST #18"
(CONT'D)

C. TACTICS AND ACTION DIRECTED: THE ADCC MOVED INTERCEPTORS UP TO ONE HOUR STATUS BEFORE EXERCISE TRACKS WERE DETECTED. THIS WAS A TEST TO DETERMINE IF EARLY WARNING INFORMATION WOULD BE SUFFICIENT TO ALLOW AIRCRAFT TO MOVE UP TO READINESS IN TIME FOR ALL AVAILABLE INTERCEPTORS TO BECOME AIRBORNE. EARLY WARNING INFORMATION WAS NOT SUFFICIENT FOR THIS PURPOSE.

D. TACTICS EMPLOYED BY STRIKE AIRCRAFT: TACTICS CONSISTED MAINLY OF ECM AND CRISS-CROSSING OF EXERCISE TRACKS. BOTH OF THESE TACTICS WERE SUCCESSFUL, ESPECIALLY ECM TACTICS AGAINST THE 762D AC&W SQUADRON AT NORTH TRURO. IT IS BELIEVED THAT PASSIVE DETECTION IS AN ALTERNATE ECM NECESSITY FOR OUR AC&W SITES. THE REPORT OF ECM SATURATION SUBMITTED BY THE 762D AC&W SQUADRON CLEARLY ILLUSTRATED THE COMBINED EFFECT OF SATURATED ELECTRONIC AND MECHANICAL JAMMING, AND INDICATES THAT A MASS ECM AIRBORNE ATTACK CAN DISRUPT AC&W CAPABILITY TO A DANGEROUS DEGREE. IF PASSIVE DETECTION EQUIPMENT HAD BEEN AVAILABLE, A BACK-UP SYSTEM OF DIRECTION FINDING COULD HAVE MADE AIRBORNE INTERCEPTION POSSIBLE, AND INTELLIGENCE DATA MORE RELIABLE.

2. FOLLOWING ARE COMMENTS ON REPORT OF EXERCISE SUBMITTED BY SUBORDINATE UNITS:

A. REFERENCE 655TH AC&W SQUADRON REPORT DATED 18 OCTOBER 1955, EXERCISE TRACKS PASSED TOO FAR SOUTH OF THIS STATION TO PROVIDE ANY TRAINING.

B. REFERENCE 762D AC&W SQUADRON REPORT (PARAGRAPH 2A), AIRCRAFT HAD BEEN MOVED UP TO ONE HOUR PRIOR TO INITIAL DETECTION. REFERENCE PARAGRAPH 5A, THIS HEADQUARTERS CONCURS WITH COMMENTS MADE, AND ACTION HAS BEEN INITIATED TO ALLEVIATE THIS SITUATION. REFERENCE PARAGRAPH 6, THIS HEADQUARTERS CONCURS WITH THE RECOMMENDATIONS AS STATED.

C. REFERENCE 60TH FIS REPORT DATED 17 OCTOBER 1955, THESE AIRCRAFT WERE UNDER CONTROL OF THE 762D AC&W SQUADRON, AND MISSED INTERCEPTIONS WERE MAINLY DUE TO ECM EFFECT ON THE AC&W SQUADRON. REFERENCE PARAGRAPH 3, THIS HEADQUARTERS DOES NOT CONCUR WITH RECOMMENDATIONS.

D. REFERENCE 763D AC&W SQUADRON, REPORT DATED 18 OCTOBER 1955, THIS HEADQUARTERS CONCURS IN THIS REPORT.

SECRET

553911

0128

COPY

SECRET

COPY

Hq 32D AD(D)OOT-A SUBJECT: REPORT OF EXERCISE "THINKFAST #18"
(CONT'D)

E. REFERENCE REPORTS FROM THE 656TH AC&W SQUADRON
DATED 13, 14 AND 17 OCTOBER 1955. THIS HEADQUARTERS HAD NO
COMMENT.

3. REQUIRED FORMS 87 AND 4A NOT INCLUDED HAVE NOT BEEN
RECEIVED BY THIS HEADQUARTERS AND WILL BE FORWARDED AS SOON
AS THEY ARE RECEIVED.

FOR THE COMMANDER:

4 INCLS:

1. REPT FR 655TH AC&W
2. REPT FR 60TH FIS
3. FORM 87'S FR 763D AC&W
4. OVERLAYS, PHASE 1, 2, & 3

/s/ EVERITT W. HOWE
/t/ EVERITT W. HOWE
MAJOR, USAF
ADJUTANT

SECRET

4

553011

0129

C O P Y

211945Z

UNCLASSIFIED

COMDR 32D AD(D) SYRACUSE AFS SYRACUSE NY

PRIORITY

COMDR 654TH AC&W SQ BRUNSWICK NAS BRUNSWICK ME

COMDR 655TH AC&W SQ WAT RTOWN AFS WATERTOWN NY

COMDR 656TH AC&W SQ SARATOGA SPRINGS AFS SARATOGA
SPRINGS NY

COMDR 762ND AC&W SQ N TRURO AFS N TRURO MASS

COMDR 763D AC&W SQ LOCKPORT AFS LOCKPORT NY

COMDR 764TH AC&W SQ ST ALBANS AFS ST ALBANS VT

COMDR 765TH AC&W SQ CHARLESTON AFS CHARLESTON ME

COMDR 766TH AC&W SQ CASWELL AFS LIMESTONE ME

X

X

INFO: COMDR 4707TH AD WG OTIS AFB PALMOUTH MASS
COMDR 5711TH AD WG PRESQUE ISLE AFB PRESQUE ISLE ME

/UNCLASSIFIED/ACF OCE 07131 , ATTN ECM OFF: DESIRE (1) ALL
AVAIL ANTI-JAMMING CATS BE ADJUSTED FOR OPTIMUM OPERATION INCLUDING
MTI, (2) ALL PERSONNEL CONCERNED BE BRIEFED AS TO PROCEDURES TO
BE EMPLOYED WHEN COMBATING JAMMING OF ALL TYPES, (3) BE INFORMED
OF FORTH COMING MSN TO ELIMINATE THE ELEMENT OF SURPRISE, (4)
EXPLOIT ALL POSSIBLE MEASURES WHEN JAMMING IS EVIDENT TO REDUCE
IT'S EFFECTIVENESS. FURTHER DESIRE 32ADR 55-29 AND OTHER AVAIL
ANTI-JAMMING PUBLICATIONS BE MADE AVAIL TO ALL CONCERNED PERSONNEL.

UNCLASSIFIED 1 1

RALPH N. PRETTMAN 1/LT USAF LESLIE C. HEARTE COL., USAF

OCE 21/1830Z 070 DIRECTOR OF COMM-ELECT

0130

C O P Y

21/7030Z

HQ 32D AD(D) SYRACUSE AFB SYRACUSE 6 NY

UNCLASSIFIED
ROUTINE

GROUP AC

x

x

3

/UNCLASSIFIED/ ACF OCB 07132. FOLG PROPOSED AIRBORNE ECM
TNG SCHED FOR WK BEGINNING 24 JUL 55. 25 JUL - 32D AD - ONE
B-25 ACFT. 1000Z ETD GAFB; 764TH ACW, 654TH ACW, 765TH ACW,
LAND DOW AFB; 654TH ACW, 764TH ACW, 655TH ACW, LAND GAFB.
2000Z ETD GAFB; 764TH ACW, 765TH ACW, 766TH ACW, LAND PRESQUE
ISLE AFB. LORING AAA, 765TH ACW, 654TH ACW, 656TH ACW, LAND
GAFB. 26 JUL - 26TH & 30TH & 32D ADIVS - ONE B-25 ACFT.
1000Z ETD GAFB; 763D ACW TO 30TH ADIV LAND KINROSS AFB.
RETURN TO GAFB VIA 763D ACW. 2000Z 26 ADIV ETD GAFB;
27 JUL - 26TH & 32D ADIV - ONE B-25 ACFT. 1000Z ETD

0131

C O P Y

HQ 32D AD(D) STRACUSE AFS NY

UNCLASSIFIED

ROUTINE

x

BAFB; 656TH ACW, BOSTON AAA, 762D ACW, LAND OTIS AFB.
773D ACW, 646TH ACW, 648TH ACW, LAND GAFB. 2000Z ETD GAFB,
656TH ACW, 762D ACW, 773D ACW, LAND MITCHELL AFB. 770TH ACW,
PHILADELPHIA AAA, 648TH ACW, LAND GAFB. 28 JUL - 26TH & 32D
ADIVS - ONE B-25 ACFT. 1000Z 26TH ADIV ETD GAFB . 2000Z ETD
GAFB; 656TH ACW, 646TH ACW, 770TH ACW, 771ST ACW, LAND LANGLEY
AFB. 771ST ACW, 647TH ACW, 648TH ACW, LAND GAFB. ONE CHAFF
DROP B-29ACFT, ON DTS INDICATED WILL WORK WITH THE POLG AAA
AND FIS ASSISTED BY THE POLG ACW UNITS. REQ MAX INTERCEPTS.
25 JUL - 30TH & 32D ADIVS - ONE B-29 ACFT - 662D ACW, 86TH FIS,
644TH ACW, 97TH FIS, 755TH ACW, 42D FIS, 62D FIS, 432D
FIS, 456TH FIS, 661ST ACW, 13TH FIS, 56TH FIS, 763D ACW, 47TH FIS.
28 JUL - 30TH & 32D ADIVS - ONE B-29 ACFT - 662D ACW, 86TH FIS,

UNCLASSIFIED

2 3

0 1 3 2

C O P Y

UNCLASSIFIED

HQ 32D AD(D) SYRACUSE AFS NY

ROUTINE

x

x

644TH ACW, 97TH FIS, 755TH ACW, 42D FIS, 62D FIS, 432D FIS,
 456TH FIS, 661ST ACW, 13TH FIS, 56TH FI², 763D ACW, 47TH FIS.
 29 JUL- 26TH ADIV. REQ UNITS SCHED FOR BCM TNG CALL RESPECTIVE
 DIV CONTROLLERS WHENEVER THEY ARE NOT AVAIL FOR ABOVE SCHED TNG.
 REQ 763D ACW NOTIFY NIAGARA AAA AND 762D ACW NOTIFY BOSTON AAA
 AND 766TH ACW NOTIFY LORING AAA.

UNCLASSIFIED 3 3

RALPH N. PRETTOMAN, 1ST LT., USAF LESLIE C. HEATHS, COL., USAF

OCE 070 DIRECTOR, OCE

C O P Y

22/1340Z

UNCLASSIFIED

HQ 32D AD(D) SYRACUSE AFS SYRACUSE 6 NY

ROUTINE X

CMDR 656TH ACWREN SARATOGA SPRINGS AFS
SARATOGA SPRINGS NY

CMDR 762D ACWREN NORTH TRURO AFS NORTH TRURO
MASS X

CMDR 763D ACWREN LOCKPORT AFS LOCKPORT NY

CMDR 4707TH ADW OTIS AFB PALMOUTH MASS

/UNCLASSIFIED/ACFOCE 07134 BIG CRATER ACPT WILL DEPART

OTIS AFB MASS 0700, 23 JUL 55. ETA POUGHKEEPSIE, NY,
0759: ETA ALTOONA, PA, 0922; ETA FRONT ROYAL, MD

0948 ON TO KEESLER AFB, MISS. ALL TIMES CST ALT

ALL LEGS 8000 FT.

UNCLASSIFIED 1 1

RALPH W. PRETTYMAN, 1STLT, USAF

LESLIE C. HEARTZ, COLONEL, USAF

ACFOCE

OTO

DIRECTOR COMB & ELECT

0134

C O P Y

041945Z UNCLASSIFIED

HQ 32D AD(D) SYRACUSE AFB SYRACUSE 6 NY

ROUTINE

GP AC

X

X

/UNCLASSIFIED/ACFOCE 08040 FDIG PROPOSED AIRBORNE COM TNG SCHED
 FOR WK BEGINNING 7 AUG 55. ELECT AND MECH JAMMING IS AVAILABLE
 AND INTERCEPTS ARE REQUESTED. 8 AUG - 26TH ADIV - 8 AUG - 32D
 ADIV - ONE B-25 ACFT: 655TH ACW 764TH ACW 654TH ACW 762ND BOSTON
 AAA LAND OTIS AFB. 762ND ACW BOSTON AAA 654TH ACW 764TH ACW 655TH
 ACW LAND GAFB. 9 AUG - 26TH ADIV. 9 AUG - 30TH AND 32ND AND 35TH
 ADIVS- ONE B-25 ACFT: 763RD ACW 662ND ACW PITTS AAA 783RD ACW
 663RD ACW LAND MCGEE -TYSON AFB. 663RD ACW 783RD ACW 662ND ACW
 763RD ACW LAND PAFB. 10 AUG - 32ND ADIV - ONE B-25 ACFT: 656TH
 ACW 762ND ACW BOSTON AAA LAND OTIS AFB. 762ND ACW BOSTON AAA

UNCLASSIFIED

1

4

HQ 32D AD(D) SYRACUSE AFB SYRACUSE 6 NY

UNCLASSIFIED

ROUTINE

GP AC

X

X

(CONT'D)

654TH ACW 655TH ACW LAND PAFB. 10 AUG - 30TH ADIV - ONE
 B-25 ACFT: NIAGARA AAA. 11 AUG - 30TH AND 32ND ADIV -
 ONE B-25 ACFT: 763RD ACW NIAGARA AAA 661ST ACW DETROIT AAA
 664TH ACW 782ND ACW LAND GRANITE AFB. 782ND ACW 784TH
 ACW 783RD ACW 772ND ACW LAND BAFB. 11 AUG - 30TH AND 32ND
 ADIVS - ONE B-25 ACFT: 763RD ACW 754TH ACW 752ND ACW
 753RD ACW SAULT STE MARIE AAA LAND KINROSS AFB. 753RD
 ACW 752ND ACW 754TH ACW 763RD ACW 655TH ACW LAND BAFB.

0135

C O P Y

12 AUG - 32ND ADIV - ONE B*25 ACFT: 655TH ACW 764TH ACW
765TH ACW LAND DOW AFB. 765TH ACW 762ND ACW BOSTON AAA

UNCLASSIFIED 2 4

HQ 32D AD(D) SYRACUSE AFS SYRACUSE 6 NY

UNCLASSIFIED

ROUTINE X

GP AC

X

(CONT'D)

656TH ACW LAND GAFB. 12 AUG - 30TH ADIV - ONE B*25 ACFT:
NIAGARA AAA. ONE CHAFF DROP B-29 ACFT ON DATES INDICATED
WILL WORK WITH THE FOLG AAA AND FIS ASSISTED BY THE FOLG
AC&W UNITS. REQUEST MAXIMUM INTERCEPTS. 8 AUG - ONE CHAFF
DROP B-29 INTO 26TH ADIV. 9 AUG - 30TH AND 32ND ADIVSE
ONE B-29 ACFT: 763RD ACW 47TH FIS NIAGARA AAA 662ND ACW
86TH FIS 71ST FIS PINTS AAA. 10 AUG - 32ND ADIV - ONE
B-29 ACFT: 656TH ACW 60TH FIS 762ND ACW 58TH FIS 437TH
FIS BOSTON AAA 765TH ACW 49TH FIS. 11 AUG - 30TH ADIV.
12 AUG - 30TH ADIV. REQUEST UNITS SCHEDULED FOR ICM TNG

UNCLASSIFIED 3 4

0 1 3 6

C O P Y

UNCLASSIFIED

HQ 32D AD(D) SYRACUSE AFS SYRACUSE 6 NY

ROUTINE

X

GP AC

X

(CONT'D)

CALL RESPECTIVE DIV CONTROLLERS WHENEVER THEY ARE NOT
AVAILABLE FOR ABOVE SCHEDULED TNG. FURTHER RE: 763RD
ACWRON NOTIFY NIAGARA AAA, 762ND NOTIFY BOSTON AAA
AND 766TH ACWRON NOTIFY LORING AAA.

UNCLASSIFIED

4

4

RALPH N. PRETTYMAN, 1ST LT, USAF

LESLIE C. HEARTZ, COLONEL, USAF

ACFOCE

070

DIR. COMM& ELECT

0137

COPY

04/1430Z

UNCLASSIFIED

COMDR 32D AD(D) SYRACUSE AF STA SYRACUSE NY

ROUTINE

COMDR 656TH AC&W SQ SARATOGA SPRINGS AFS
SARATOGA SPRINGS NY

X

X

X

COMDR 4707TH ADWG OTIS AFB PALMOUTH MASS

/UNCLASSIFIED/ACT OGE ~~10015~~ ATTN: ECM OFF.
BIG CRATER WILL DEPART MITCHEL AFB, NY., 0900, 5 OCT
55. ETA SARATOGA SPRINGS, NY., 1000, ETA WILKES-
BARRE, PA. 1055 VIA KIEGLER AFB, MISS 1700. ALL
TIMES CST. ALT ALL LEGS 8000 FT.

UNCLASSIFIED

1

1

PETER L. REY 1/LT., USAF

LESLIE C. HEARTE COL., USAF

ACFOGE

070

DIRECTOR OF COMM-ELECT

COPY

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
Syracuse Air Force Station
Syracuse 6, New York

CGG

30 Jul 1955

SUBJECT: Problem Areas Encountered During Exercise #Deep Rock"

TO: Commander
Eastern Air Defense Force
Stewart Air Force Base
Newburgh, New York

1. It is believed that the following problem areas which were encountered within this command during Exercise "Deep Rock" should warrant utmost consideration by your headquarters. The majority of these problem areas have been outlined in previous letters to your headquarters. The fact that these problems were again prevalent during Exercise "Deep Rock" indicates that additional study should be made toward the solution of these problems. The main problem areas encountered during Exercise "Deep Rock" were as follows:

A. Crew fatigue was again one of the major problems. The 27th FIS and the 60th FIS were forced to relieve pilots from alert status due to crew fatigue. In one instance, the 60th FIS had 20 aircraft in commission and only 17 pilots. The authorization of 1.5 pilots per aircraft is too low to allow maximum use of weapons, considering 80% aircraft in commission. This headquarters believes that a minimum of two crews per aircraft should be the minimum allowable authorization during periods of sustained operations. During Exercise "Deep Rock", air crews were a limiting factor. Additionally, the crew fatigue problem would be alleviated by the separation of the alert status from state of warning. This had been recommended in several previous letters to General Nelson. It is realized that COMADR 55-3 dated 7 March 1955 gives the division commander the right to place aircraft on a lesser state of readiness after the maximum state of preparedness of all forces has been obtained. This regulation has helped somewhat in minimizing crew fatigue, however, this regulation contains the words, "unless directed otherwise by higher authority". It is strongly recommended that the fatigue factor be considered during exercises before crews are ordered to remain on alert for sustained periods.

55-3039

0139

C O P Y

SECRET

HQ 32D AD(D) OCG Subj: Problem Areas Encountered During Exercise "Deep Rock"

B. The unreliability of present height finding equipment was very evident during Exercise "Deep Rock". The tactics of the "opposition" forces, i.e., coming in at low altitude and gaining altitude rapidly as they approached the target or penetrating at high speed and high altitude and then descending rapidly as they were detected by our radar, was such that dependable height finding information was essential. It is believed that the number of missed intercepts by units of this command during the attack in the early hours of 23 July was due to the inaccuracy of our present height finders. We were afforded the opportunity of using the experimental FPS-7 installed at General Electric's Electronics Park at Syracuse. While this set has tremendous capabilities in comparison to our present equipment, the set is experimental and was inoperational during part of the exercise. However, during part of the exercise information was obtained, especially on aircraft above 20,000 feet. The maximum altitude of aircraft observed during this mission was 60,000 feet; however, the set is capable of reading the altitude of much higher targets. It is recommended that the production and installation of FPS-7 equipment be expedited as much as possible.

It is felt that the present height finding problem will be considerably improved with the installation of the FPS-6 height finder. This headquarters feels that action should be taken to insure that the programmed date for this height finding equipment is met.

C. The problem of identification of Strategic Air Command aircraft was again evident during Exercise "Deep Rock". At approximately 0530Z 23 July, thirty B-47's were scheduled to penetrate this division from the James Bay area in Canada. When this attack materialized, normal tactical action was taken by this headquarters and the initial attack was apparently completed by the bombers at approximately 0600Z. Approximately 45 minutes later, another force was detected penetrating this division from the same general area. SAC observers on duty at this headquarters could not identify this second attack due to the fact that all 30 attacking aircraft should have been in the first bomber stream. It was necessary to scramble active air defense interceptors from four bases within this division in order to insure that this second force consisted of B-47 type aircraft and were not an actual hostile force. These aircraft were identified as B-47 aircraft and subsequent investigation indicated that they had failed to make their refueling contact and were therefore approximately 45 minutes late. It is realized that such difficulties may be beyond the control of an attacking force, however, procedures as set up by ADC OPORD 94-55

C O P Y

HQ 32D A(D) CCG Subject: Problem Areas Encountered During Exercise "Deep Rock"

were apparently not followed by the attacking force. Immediately upon being notified that these aircraft could not be identified by Strategic Air Command observers this headquarters contacted Cleveland and Toronto air route traffic control centers. Neither Cleveland nor Toronto had any revision in flight plan for the B-47 aircraft. Also, during this phase of the attack the target aircraft were given the code word to cease ECM, and did not do so. This headquarters believes that it is imperative that Strategic Air Command aircraft participating in exercises of this type explicitly follow the instructions in the operations order concerning identification. Instances of this type, if allowed to continue, could result in the entire United States going on a yellow or red alert. This headquarters believes that this situation should be reemphasized to the Strategic Air Command. Since it is imperative that the Strategic Air Command fully realize the problems of air defense in connection with these exercises, it is strongly recommended that consideration be given to assigning a SAC liaison officer at each air division headquarters. Furthermore, it is believed that an alternate means of communications should be found between SAC aircraft and air defense facilities.

D. Another problem encountered during Exercise "Deep Rock" was that of director proficiency and control capability. A staff study recently forwarded to your headquarters on the subject of director authorizations indicated that this headquarters believes the new director authorizations are too low. Your attention is invited to this staff study for our complete recommendations on director authorizations. Although our assigned directors slightly exceeds the new director authorizations, training of these people continues to be a major problem. A percentage (which is steadily increasing) of the directors assigned to our SACW Squadrons are serving a short tour and are discharged shortly after becoming combat ready. It can easily be seen, therefore, that the training process for directors is unending. The only solution that can be seen for this problem is for more directors to remain in the service. It is felt that the recent Air Force-wide conference at Tyndall Air Force Base was a step in the right direction. It is believed that the recommendations and any solutions discovered as a result of this conference should be put into effect at the earliest possible date.

Control capability is a direct result of director capability plus control scopes and communications. At the present time, the projected date for the installation of new AN/TPA-35 radar scopes has passed. It is felt that immediate action should be taken toward the installation of this new equipment at the earliest possible date.

55-3039

0141

C O P Y

HQ 32D A (D) CCG Subject: Problem Areas Encountered During Exercise "Deep Rock"

Due to the fact that the 656th AC&W Squadron is centrally located within this division, it is felt that this squadron should be authorized at least 10 PPI scopes. During exercises in the past, this squadron has been required to control interceptor aircraft from as many as four surrounding air bases. Since this squadron is located in a position to protect the northern approach to New York City, it is extremely important that it have the maximum control capability.

An abundance of combat ready directors and sufficient control scopes would have undoubtedly resulted in a much higher percentage of intercepts during Exercise "Deep Rock".

E. During prolonged exercises it is impossible with the presently assigned personnel to man the AAA position and the Navy position at this headquarters. It is recommended that consideration be given to the assignment of a full complement of the Anti-aircraft and Navy personnel necessary for 24 hour coverage of the ADCC.

F. Another problem encountered during exercise "Deep Rock" was the unsatisfactory warning telling between air divisions. This was partly due to the fact that sufficient lines were not available and partly to the fact that correct procedures were not used. It is suggested that the possibility be investigated of using teletype for early warning telling between divisions.

G. The tactics used by the bomber forces during this exercise were very effective in that they made lead collision course intercepts very difficult. The procedure of changing altitudes rapidly, splitting of bomber forces and criss-crossing of the individual bombers within the attacking forces made cross telling between direction centers very difficult. Also, the tactic of stacking bombers above each other practically assured that some of these bombers would not be intercepted due to our low height finding capability.

s/ Robert S. Israel, Jr.
t/ ROBERT S. ISRAEL, JR.
Brigadier General, USAF
Commander

COPY

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
Syracuse Air Force Station
Syracuse 6, New York

OOT-A

5 Aug 1955

SUBJECT: Problem Areas Encountered During Exercise "Deep Rock"

TO: Commander
4707th Air Defense Wing
Otis Air Force Base
Palmouth, Massachusetts

Commander
4711th Air Defense Wing
Presque Isle Air Force Base
Presque Isle, Maine

1. The attached copy of a letter from this headquarters to Eastern Air Defense Force regarding problem areas encountered during Exercise "Deep Rock" is furnished for your information. Reference to problems discussed and additional problems discussed below will serve to summarize the meeting between General Israel and staff and Colonels Legg and Greenfield held at this headquarters 29 July 1955.
2. The following problems were not included in the letter to EADF:
 - a. What is the status of PPI scopes programmed for the 65th AC&W Squadron? The operational dates for equipment listed in PC 56-1-I are 6 months to 1 year behind schedule. A new issue of this document showing revised dates is expected to be published soon.
 - b. Aircrews indicate dissatisfaction in standing long periods of alert and being scrambled relatively few times. Crew fatigue is discussed in paragraph 1(a) of attached letter. Crews should be made to realize that "faker" aircraft penetrations are not a controllable factor in missions of this type.
 - c. Surveillance procedures in general and, specifically, tactical data reporting were not satisfactory. Separate correspondence to both Wings is forthcoming, which will outline discrepancies noted at the ADCS and ask AC&W Squadrons to indicate where difficulties were encountered and their recommendations for eliminating these difficulties.

55-3039

0143

C O P Y

HQ 32D AD(D) 007-A Subject: Problem Areas Encountered During Exercise
"Deep Rock" (Cont'd)

d. It was not clear to some ACAN Squadrons during the exercise whether forces were being committed from the ADCC or whether decentralized control was in effect and scrambles ordered from the ADCC. Amendment IV to 32d AD Tactical Doctrine makes it clear that the division operates under decentralized control except when the tactical situation is such that centralized control will be ordered by the division commander.

e. The weather detachment commander assigned to this headquarters indicates that weather detachment personnel serving AD Groups are not briefed on missions of this nature and desire to be better informed about all exercises.

BY ORDER OF THE COMMANDER:

1 Incl:
a/a

s/ Everitt W. Howe
t/ EVERITT W. HOWE
Major, USAF
Adjutant

0144

55-3039

COPY

SECRET
HEADQUARTERS
32D AIR DIVISION (DEFENSE)
Syracuse Air Force Station
Syracuse, 6, New York

OOT-A

6 Aug 1955

SUBJECT: Report on Exercise "Deep Rock"

TO: Commander
Eastern Air Defense Force
Stewart Air Force Base
Newburgh, New York

1. The following information concerning Exercise "Deep Rock" is forwarded in accordance with your message EA00T-OW C-971.

a. The following is a narrative report of the progress of the exercise as observed at the Air Defense Control Center.

- (1) This division went on condition "Lemon Juice" at 1435Z on 19 July 1955. This action was taken upon notification that the 26th Air Division had gone on a condition of "Apple Jack". SCATER was simulated as being implemented at 1436Z and CONELRAD at 1440Z. This headquarters went on condition "Apple Jack" at 1448Z. Subsequent information proved that the attack which caused this condition of warning was penetrating the air defense system on a northwesterly course over Long Island. The only tactical action taken by this division during this initial attack consisted of scrambling two intercept aircraft out of Otis on track F-47H. Apparently due to the fact that there was considerable local traffic in the Providence and Springfield areas at the time of the attack the penetrating tracks were lost over Montauk Point by a direction center of the 26th Air Division and were not detected again by radar stations in this division. This first attack proved to be mainly aimed at the 26th and 30th Air Divisions and did not effect this division except in hitting the targets of Springfield and Worcester, Massachusetts. It is felt that had SCATER actually been in effect in this time, traffic would have been curtailed in the Providence, and Springfield

55-3113

SECRET
0145

C O P Y

HQ 32D AD(D) OOT-A Subject: Report on Exercise "Deep Rock"

areas and the chances of detecting the penetrating faker forces would have been considerably better. This division went on condition "Snow Man" at 15:7Z on 19 July 1955. This completed the initial attack of the exercise.

- (2) This division went on "Lemon Juice" at 0120Z on 20 July and on "Apple Jack" at 0238Z on 20 July. These alerts were called due to the fact that the 30th Air Division had gone on "Apple Jack". Subsequent information showed that this second attack which had caused the alert was aimed primarily at the 30th and 26th Air Divisions. This division went on "Snow Man" at 0254Z on 20 July with no tracks having been detected within this division during the second attack. This headquarters went on "Lemon Juice" again at 0320Z on 20 July upon being notified that the 30th Air Division and the 26th Air Division were back on "Apple Jack". We went on "Snow Man" again at 0458Z on 20 July. Up to this period no faker tracks had been detected within this division's area of responsibility. At 0520Z on July, this headquarters was notified by General Smith that although there may be more activity in the 26th Air Division, the 32d Air Division would remain on "Snow Man" unless ordered to a higher state of alert by EADF.
- (3) At 0757Z on 21 July the first phase of Exercise "Deep Rock" was considered over by Headquarters, EADF.
- (4) This headquarters went on condition "Cocked Pistol" at 0241Z on 23 July 1955, due to early warning information on four faker tracks in the North Bay area heading south. These tracks turned out to be the beginning of a series of major penetrations of the faker force against our area of responsibility. This division went on condition "Lemon Juice" at 0300Z 23 July and on condition "Apple Jack" at 0400Z. (Note: Report of Intercept status by time progression for each air force base after "Cocked Pistol" was called, is included as Indlosure 4 to this report.) Three interceptors were scrambled out of Burlington Air Force Base for Canadian control at 0359Z. At 0418Z the penetrating tracks were identified as faker tracks by SAC observers at this headquarters.

2

55-3113

0146

C O P Y

HQ 32D AD(D) OOT-A Subject: Report on Exercise "Deep Rock"

Approximately fifteen B-47 type aircraft made up this force. Tactical action by track numbers is inclosed with overlays in Inclosure 1. Approximately 45 minutes later another force appeared behind the initial attack force and followed the same general course. The SAC observers at this headquarters were unable to correlate this second wave with information at their disposal. CAA Air Route Traffic Control Centers at Cleveland, Boston and Toronto were contacted and they informed us that they had no information on this second wave of aircraft. Active air Defense interceptors were immediately scrambled from four bases within this division to insure the identification of this second wave of bombers. When this second wave was intercepted they were identified as B-47 type aircraft and were carried thereafter as faker tracks. Subsequent information indicated that these aircraft had failed to meet their refueling aircraft and were approximately 30 minutes late. Comments and recommendations with reference to this incident were included in General Israel's letter to your headquarters, subject: Problem Areas Encountered During Exercise "Deep Rock".

(5) The 32d Air Division went off "Lemon Juice" at 0652Z and on "Apple Jack" at 0656Z. We returned to condition "Lemon Juice" at 0842Z and to "Snow Man" at 0915Z. We returned to "Apple Jack" at 1151Z due to the early warning information on several penetration tracks. During these attacks from the north warning telling information received at the control center was generally good. At 1438Z on 23 July this headquarters was notified that Exercise "Deep Rock" was terminated.

(6) Problems which were encountered during the exercise have been fully discussed and recommendations made to your headquarters in our letter dated 30 July 1955.

b. Control center track overlays with a log of the tactical action taken is included as Inclosure 1 to this letter.

c. One copy of ADC Form 44 for each intercept action is included as Inclosure 2.

d. One copy of ADC Form 87 for each intercept action is included as Inclosure 3.

3
SECRET

51-3113

0147

C O P Y

HQ 32D AD(D) OOT-A Subject: Report on Exercise "Deep Rock"

e. Report of interceptor status by time progression for each air force base after "Cocked Pistol" was called is included as Inclosure 4.

FOR THE COMMANDER:

4 Incls
a/s

S/ Everitt W. Howe
t/ sEVERITT W. HOWE
Major, USAF
Adjutant

55-3113

0148

C O P Y

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
Syracuse Air Force Station
Syracuse 6, New York

OOT-A

6 Aug 1955

SUBJECT: Exercise "Deep Rock" Report

TO: Commander
Headquarters, Continental Air Defense Command
Ent Air Force Base
Colorado Springs, Colorado

1. The following report on Exercise "Deep Rock" is forwarded in accordance with paragraph 12, Annex B to CINCONAD Operations Order 94-55 dated 13 July 1955.

2. a. The present air crew authorization of 1.5 crews per assigned aircraft is not adequate to maintain long alerts followed by the subsequent scrambling of all available aircraft. Air crews were the limiting factor rather than the availability of aircraft during this exercise. This headquarters believes that 2.6 air crews per authorized aircraft should be the minimum. This would allow maximum utilization of in-commissioned aircraft for extended periods of time during exercises or in the case of an actual sustained attack.

b. Of the 82 lock-ons attempted, 53 were successful. Sixteen of the successful lock-ons were due to air crews positioning themselves visually without GCI close control. Control of these aircraft was lost due to a communication failure.

c. Controllers problems in approach to successful lock-ons by AI interceptors were as follows:

- (1) Faker aircraft made rapid changes in altitude. This caused a major problem due to inaccuracy of present height finding equipment.
- (2) The director proficiency level continues to be one of our major problems. In order to fully man all of the control positions in our direction centers with combat ready directors over a sustained period of time, we need additional fully trained directors.

55-3156

0149

COPY

HQ 32D AD(D) OOT-A Subject: Exercise "Deep Rock" Report

The problem of training directors and then holding them on active duty so that maximum utilization may be made of their training is of paramount importance in the director/controller field. It is felt that the director/controller field must be made more attractive in order to provide the incentive necessary to keep these trained people in the service.

- (3) The tactics of the faker force (i.e., criss-crossing of individual bomber aircraft within the attacking force and the splitting of the force into many individual tracks) presented many problems to the directors running the intercepts. These tactics, especially when they occur along the subsector boundary between direction centers, tend to cause a break-down of the normal cross telling procedures.

2. In reference to paragraph 14, a complete report on the problem areas encountered during Exercise "Deep Rock" was forwarded to Headquarters, Eastern Air Defense Force on 31 July 1955.

3. Comments and recommendations concerning this exercise are as follows:

a. Prolonged exercises of this type are excellent training for both AC&W and interceptor units.

b. This headquarters was required to forward a total of five reports on this exercise as follows:

- (1) One copy of overlay and narrative for SAC observers at this headquarters.
- (2) TMX report on the total number of "mission accomplished" before and after bombers were over the target.
- (3) A detailed report of the problem areas encountered.
- (4) Copies of overlays, tactical action, Form 87's, Form 4A's and report of interceptor status by time progression for each air base.
- (5) This report.

C O P Y

HQ 32D AD(D) OOT-A Subject: Exercise "Deep Rock" report

This headquarters believes that some of these reports would have been consolidated and that prior notification should have been made on all reports. Certain provisions must be made before an exercise for the compilation of information for required reports. It should also be pointed out that when numerous reports are required for an exercise, an additional load is put on the squadrons who have to furnish most of the information. It is recommended that in future exercises, a complete listing of the reports required should be included in the original operations order covering the exercise.

FOR THE COMMANDER

s/ Everitt W. Howe
t/ EVERITT W. HOWE
Major, USAF
Adjutant

Info cy:
Comdr, EADF

55-3156

0 1 5 1

COPY

COPY

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

OOT-A

11 Aug 1955

SUBJECT: DISCREPANCIES IN REPORTING AIR DEFENSE DATA

TO: COMMANDER
4707TH AIR DEFENSE WING
OTIS AIR FORCE BASE
FALMOUTH, MASSACHUSETTS

COMMANDER
4711TH AIR DEFENSE WING
PRESQUE ISLE AIR FORCE BASE
PRESQUE ISLE, MAINE

1. AT THE CRITIQUE AND DISCUSSION OF PROBLEM AREAS ENCOUNTERED DURING "EXERCISE DEEP ROCK", HELD AT THIS HEADQUARTERS 29 JULY 1955, ONE OF THE PROBLEMS DISCUSSED WAS THE LATE AND INCOMPLETE RECEIPT OF SURVEILLANCE, TACTICAL, AND FIGHTER STATUS DATA AT THE ADCC. THE INCLOSURE TO THIS LETTER WILL LIST SPECIFIC DATA THAT HAS BEEN MISSING ALTOGETHER OR RECEIVED SO LATE THAT THE ADCC DISPLAY IS NOT INTELLIGIBLE.

2. ALTHOUGH NOTED PARTICULARLY DURING "DEEP ROCK", MANY DISCREPANCIES IN REPORTING PROCEDURES ARE OCCURRING DAILY WHICH, WHEN AMPLIFIED BY INCREASED AIR DEFENSE ACTIVITY, RESULT IN A CONFUSED, INCOMPLETE PICTURE. AN ACCURATE AND TIMELY DISPLAY IS EXTREMELY IMPORTANT TO COMMANDERS AT ALL LEVELS OF THE AIR DEFENSE COMMAND. THIS DATA MUST BE ORIGINATED IN GOOD FORM AT THE AC&W FIGHTER INTERCEPTOR SQUADRONS. ONLY BY STRICT ATTENTION TO PROCEDURES AT ALL TIMES CAN WE EXPECT TO SEE AN INTELLIGENT AIR PICTURE.

3. THIS HEADQUARTERS DESIRES THAT OPERATIONS PERSONNEL CAREFULLY REVIEW THE DISCREPANCIES NOTED HEREIN. THEY ARE PRESENTED AS SPECIFIC DISCREPANCIES BUT ARE NOT DIRECTED TOWARD ANY PARTICULAR UNIT. THERE ARE TIMES DURING ANY EXERCISE OR MISSION WHEN AT LEAST SOME OF THE DIFFICULTIES, SUCH AS THOSE EXPERIENCED IN THE ADCC DURING "DEEP ROCK", CAN BE ATTRIBUTED TO ALL UNITS. REQUEST YOUR HEADQUARTERS FORWARD REPORTS OF COMMENTS AND RECOMMENDATIONS

0152

COPY

COPY

HQ 32D AD(D) OOT-A SUBJ: DISCREPANCIES IN REPORTING AIR DEFENSE
DATA

FOR IMPROVEMENT FROM SUBORDINATE UNITS TO ARRIVE AT THIS HEAD-
QUARTERS NOT LATER THAN 20 SEPTEMBER 1955.

BY ORDER OF THE COMMANDER:

1 INCL
DISCREPANCIES IN
REPTG AIR DEF DATA
(20 CYS EA 4707TH
AND 4711TH)

/s/ ROBERT W. REINHOLD
/t/ ROBERT W. REINHOLD
2ND LT, USAF
ASSISTANT ADJUTANT

COPY

COPY

DISCREPANCIES IN REPORTING AIR DEFENSE DATA

1. FIGHTER STATUS (REF PARA 5B. 32D ADR 55-34)

- A. STATUS OF AIRCRAFT AS THEY ADVANCE IN DEGREE OF READINESS RECEIVED LATE AT ADCC. DIFFERENCE BETWEEN TIME THAT AIRCRAFT REACH A STATE OF READINESS AND RECEIPT OF THIS STATUS REPORT IS EXCESSIVE.
- B. AS AIRCRAFT LAND AND ARE BEING TURNED AROUND, REPORT OF CHANGE FROM AN ADVANCED STATE OF READINESS TO THAT STATE WHICH APPROXIMATES REQUIRED TIME FOR TURN-AROUND IS SELDOM RECEIVED.

2. TACTICAL DATA REPORTING (REF 32D ADR 55-Test)

- A. INITIAL REPORT OF TACTICAL ACTION SELDOM RECEIVED WITHIN 5 MINUTES AFTER INITIAL SURVEILLANCE REPORT. A TACTICAL REPORT MUST BE RECEIVED AT ADCC AS SOON AS POSSIBLE AFTER THE SURVEILLANCE REPORT IS DISPLAYED.
- B. REPORTS OF TACTICAL ACTION ARE SOMETIMES RECEIVED OVER OTHER THAN THE TACTICAL DATA CIRCUIT.
- C. WHEN AIRCRAFT ARE DIVERTED FROM ONE TRACK TO ANOTHER, THIS FACT IS NOT REPORTED.
- D. REPORTS OF TACTICAL DATA NOT BEING RECEIVED IN COMPLETE FORM OR IN PROPER SEQUENCE IN OVER HALF OF ALL REPORTS RECEIVED. TERMS OTHER THAN THOSE PRESCRIBED IN 32D ADR 55-Test ARE BEING USED TO DESCRIBE AN ACTION. EXAMPLE - REASONS FOR MISSED INTERCEPT OR REASONS FOR NO SCRAMBLE ARE OFTEN EXPLAINED INSTEAD OF BEING PLACED IN A CATEGORY SUCH AS MIAEF, MIFPI, NCID, ETC. AND REPORTED AS SUCH.
- E. AFTER A RESULT OF TACTICAL ACTION IS REPORTED (EG. MA, MIWX), AND THE TRACK IS STILL A COMPULSORY REPORTING TRACK, MORE SCRAMBLE ACTION OR THE REASON FOR NO SCRAMBLE IS NOT BEING REPORTED.
- F. MANY TIMES, EVEN DURING MISSIONS, THE TACTICAL DATA CIRCUIT IS NOT ANSWERED WHEN THE ADCC RINGS. THE TACTICAL DATA TELLER APPARENTLY HAS OTHER DUTIES OR IS NOT MANNING THE POSITION.

0154

COPY

COPY

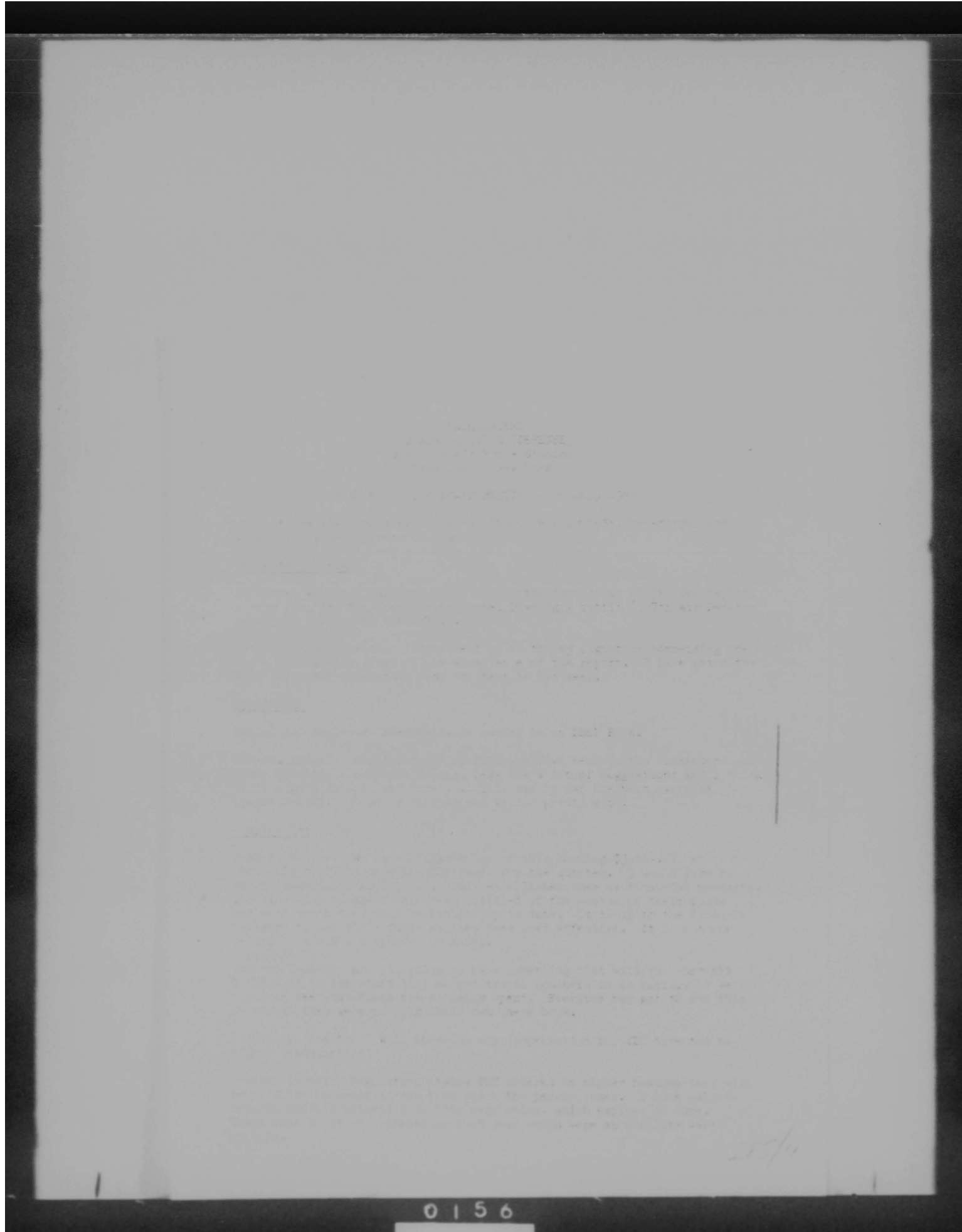
2. TACTICAL DATA REPORTING (REF 32D ADR 55-Test)

- G. TACTICAL DATA TELLERS ARE NOT FAMILIAR WITH TERMS. REQUESTS FROM THE ADCC FOR SPECIFIC INFORMATION ARE OFTEN ANSWERED BY "WHAT DO YOU MEAN?" OR COMPLETE SILENCE.
- H. REPORTS AND INFORMATION OTHER THAN THAT REQUIRED ARE RECEIVED. EXAMPLE - TALLY HO, POUNCE, TIME OF MA, ETC.

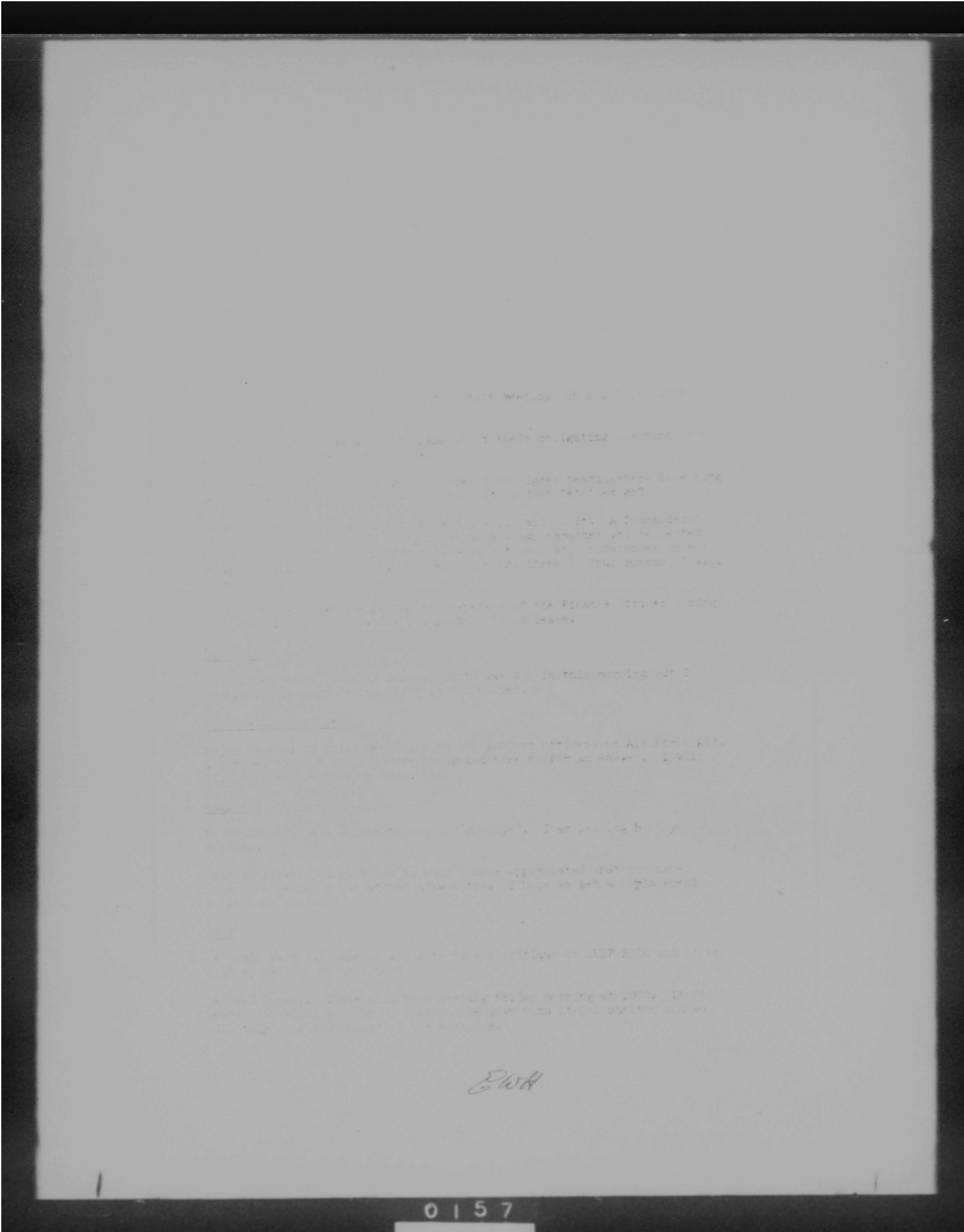
3. SURVEILLANCE REPORTING (REF 32D ADR 55-30, ADCR 55-29 AND EADFR 55-16)

- A. IN SEVERAL CASES, THE TRACK WAS NOT FORWARD TOLD TO THE ADCC BY PROPER ADDC. (PARA 6B(1) 32D ADR 55-30.)
- B. SURVEILLANCE TELLER IS OFTEN NOT REPORTING TRACK SUFFIX TO ADCC PLOTTER. THIS REQUIRES A CALL FROM ADCC TO ADDC SURVEILLANCE SUPERVISOR.
- C. WHEN A TRACK FADES IN A SUBSECTOR, IT IS APPARENT IN THE ADCC THAT THE RESPONSIBLE STATION DOES NOT ASK ADJACENT STATION FOR LIVE MOVES.
- D. DEAD RECKONED MOVES ARE NOT BEING REPORTED TO ADCC.
- E. REPORTING OF POSITIONS OF FIGHTER AIRCRAFT IS NEGLECTED. CONTINUOUS REPORTS OF LIVE OR DR MOVES ARE ESSENTIAL TO THE ADCC.
- F. WHEN ADCC GIVES EARLY WARNING INFORMATION TO THE ADDC, THE MOVES ARE OFTEN NOT ACCEPTED. REASON GIVEN IS "OFF OUR BOARD". EADFR 55-16 REQUIRES THAT ADDC HAVE AN ADEQUATE EW PRE-PLOT BOARD INCLUDING NECESSARY COMMUNICATIONS.
- G. REFERENCE PARAGRAPH 4B (1) (B) OF EADFR 55-16. ADDC'S ARE NOT GIVING ADCC A "NO TELL" WHEN NORMAL WARNING OR OVERLAP TELL IS RECEIVED FROM AN ADJACENT ADDC.
- H. INFORMATION REQUESTED BY ADCC COULD NOT ALWAYS BE GIVEN. REASON GIVEN WAS "TOO BUSY WITH OTHER THINGS". RECOMMEND REVIEW OF MANNING STATUS FOR MAXIMUM OPERATIONS.
- I. OBSERVATIONS AND SPOT INQUIRES FROM ADCC REVEAL THAT NORMAL OVERLAP AND WARNING TELLING PROCEDURES ARE NOT BEING ACCOMPLISHED AT ALL TIMES.

0155



0156



BWH

COPY

COPY

CPX WOODCHUCK

CAPT. STARK

27 SEPTEMBER 1955

CCG OPR
 CVC PDP
 ODO CIG
 ADJ CPM
 CFS CSU
 MDM GOS
 OIN AAA
 OCD NAU
 OOT Hq Sq
 OUC

1. ATTENTION IS INVITED TO EADF OPS ORDER 47-55 (CPX WOODCHUCK).
2. THE ONLY PARTICIPATING AGENCIES IN CPX WOODCHUCK ARE:
 - A. JEADF
 - B. EADF
 - C. AIR DIVISIONS
 - D. AIR DEFENSE WINGS
3. TO CONTACT NON-PARTICIPATING AGENCIES SUCH AS HQ, ABC, TAC, SAC, ETC. THE FOLLOWING PROCEDURE WILL BE USED.

- A. CALL "SIMPSON"
- B. ASK FOR EXTENSION NUMBER AS LISTED:

COMMANDER	EXTENTION	2
DIRECTOR OF OPERATIONS		2
D&T		3
COC		3
OUE		4
CIVIL DEFENSE		4
INTELLIGENCE		5
ADJUTANT		5
PERSONNEL		6
COMPTROLLER		6
INSPECTOR GENERAL		6
STAFF JUDGE ADVOCATE		7
INFORMATION SERVICES		7
FLYING SAFETY		7
MATERIEL		7
SPECIAL SECURITY OFFICER (CONAD)		7
ARMY		7
NAVY		7
MISCELLANEOUS		7

0158

C O P Y

C O P Y

SUBJ: CPX Woodchuck, 27 September 1955

4. To TELEPHONE AD GROUP, AC&W SQUADRONS OR FIGHTER SQUADRONS SIMULATE CALL TO DIVISION CPX COMMITTEE MEMBER REPRESENTATIVE. TACTICAL 83 (HOTLINE).

5. ALL TELETYPE MESSAGES, OUTGOING AND INCOMING, PERTAINING TO THE EXERCISE WILL HAVE THE FOLLOWING PHRASE AT BOTH THE BEGINNING AND ENDING OF THE TEXT:

"CPX WOODCHUCK".

6. TELETYPE MESSAGES TO HEADQUARTERS HIGHER THAN EADF OR OTHER COMMANDERS OR SERVICES; ADDRESS TO JEADF. IN THE MESSAGE TEXT INDICATE THAT YOU SIMULATE SENDING THE MESSAGE TO THE NON-PARTICIPANT.

7. TELETYPE MESSAGES TO ADGROUPS, AC&W SQUADRONS OR FIGHTER-SQUADRONS WILL BE SENT TO THE DIVISION CPX COMMITTEE REPRESENTATIVE. (BLOCKHOUSE ROOM 121)

8. IT IS REQUESTED THAT EACH DIRECTORATE OR COMPARABLE STAFF AGENCY SUBMIT A WRITTEN SUMMARY, OF ALL CPX ACTION TAKEN, TO THE DIVISION CPX COMMITTEE NOT LATER THAN FIVE WORKING DAYS AFTER COMPLETION OF THE EXERCISE. SUMMARY WILL INCLUDE COMMENTS AND RECOMMENDATIONS.

9. THE FOLLOWING PROCEDURE HAS BEEN ESTABLISHED IN ORDER THAT THE DIVISION CPX COMMITTEE MAY BE KEPT CURRENT ON ALL CPX ACTION TAKEN DURING THE EXERCISE:

A. THE CPX COMMITTEE WILL BE LOCATED IN ROOM 121 OF THE BLOCKHOUSE ACROSS THE CORRIDOR FROM THE COMMUNICATIONS CENTER. ADMINISTRATIVE TELEPHONE EXTENSION 147. TACTICAL TELEPHONE EXTENSION 83.

B. OUTGOING MESSAGES: ALL OUTGOING MESSAGES REGARDLESS OF CLASSIFICATION WILL BE PROCESSED IN ACCORDANCE WITH NORMAL PROCEDURE EXCEPT THAT THE CPX COMMITTEE WILL BE INCLUDED IN THE COORDINATION OF THE MESSAGE.

(1) COPIES OF ALL OUTGOING MESSAGES WILL BE RETAINED BY THE DIVISION CPX COMMITTEE.

C. INCOMING MESSAGES: ONE COPY OF EACH INCOMING CPX WOODCHUCK MESSAGE WILL BE RETAINED BY THE CPX COMMITTEE PRIOR TO DELIVERY.

COPY

COPY

SUBJ: CPX Woodchuck, 27 SEPTEMBER 1955

10. YOUR COOPERATION DURING THE CPX WILL BE OF GREAT AID TO THE COMMITTEE IN COMPILING AND EVALUATING THE PROBLEM ANALYSIS SECTION OF THE FINAL REPORT WHICH MUST BE FORWARDED TO HQ JEADF. IN THIS RESPECT, ALL VERBAL ACTION TAKEN BY TELEPHONE OR OTHERWISE SHOULD BE BACKED UP BY A FORMAL MESSAGE.

11. TO EXPEDITE HANDLING OF TACTICAL TELEPHONE CALLS AMONG JEADF, EADF AND 32AD HEADQUARTERS, APPENDIX 1 IS HEREWITH ATTACHED AND INCLUDES BATTLE STAFF EXTENSION NUMBERS WITH THEIR LOCATIONS.

12. THE FOLLOWING OFFICERS ARE REPRESENTING THE 32D AIR DIVISION (DEFENSE) AS CPX PLANNING COMMITTEE REPRESENTATIVES AND WILL BE AVAILABLE IN ROOM 121 THROUGHOUT THE EXERCISE. ADMINISTRATIVE TELEPHONE NUMBER 147. TACTICAL TELEPHONE NUMBER 83.

MAJOR GEORGE F. DECKERT
CAPT FRANCIS J. CARRON

/s/ REGINALD L. STARK
/t/ REGINALD L. STARK
CAPTAIN, USAF

INCLOSURE:
ATTACHMENT #1 TO
CPX "WOODCHUCK"
TELEPHONE PROCEDURES

COPY

COPY

TELEPHONE DIRECTORY

FOR USE DURING CPX "WOODCHUCK" ONLY

	<u>HOME</u>	<u>OFFICE</u>	<u>COC</u>
COMMANDER	50	10	45
ODO		20	40
COG		43	43
FIGHTER OPERATIONS OFFICER		22	46
INTELLIGENCE		35	71
MDM		25	42
PDF		30	47
OCE		23	60
AAA		76	76
NAVY		77	77
OCD		31	78
CAA		84	90

ATTNMT 1
TO CPX "WOODCHUCK"
TELEPHONE PROS

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
Syracuse Air Force Station
Syracuse 6, New York

MINUTES OF THE STAFF MEETING - 4 October 1955

At the staff meeting called at 0900 on 4 October 1955, briefings were given by the deputies as follows:

Commander

General Israel: Do not have too much to say except to pass on information given at the Commanders' Conference at EADF on 27 September 1955. The main subject of the meeting was to try and impress on everyone the purpose of CPX Woodchuck, as leading into Exercise Cracker Jack coming up some time between 1 November and 1 January. Interest is running high in this. The object is to get the most out of what we have. The following is the sort of problem which could be introduced in CPX Woodchuck:

Use of facilities to maximum advantage.

Full knowledge and proper use of communications,

When we are hit, targets destroyed; rapid method of re-evaluating our capabilities; reorganization of forces; evacuation of certain locations and operation of others, etc.

This is completely joint. Army and Navy will be in it. Should like to convey the extreme interest being displayed at EADF, and expect the same at this headquarters, during CPX Woodchuck and furthermore into Cracker Jack.

Deputy for Operations

Lt Colonel Shelton: We are having a briefing of CPX Woodchuck by the wipers later on.

We have a Pogo Stick mission today. Take-off time is about 1300 and it looks like weather will be good.

We are having trouble with the heating and air conditioning system in the Operations Building. AIO is working on it now.

AEW aircraft are still in training status. They are on status almost 24-hours a day.

The trouble we had with picket vessels during the past month is being taken care of. Letters have gone out to all units concerned.

0162

Hq 32d Air Div (Det) - Kansas City, Missouri - Meeting 4 October 1955

Comptroller

Captain Peters: Regarding the submission of 2nd quarter revision to financial statements. Eastern has changed the method of obtaining the information they want, which requires that traffic completely report their work. I am going there this afternoon to get last night's information. I will call the information back and have it approved tomorrow to meet the response date.

General Israel: There is an item I would like to have Captain Shultz check on. In visiting the various installations, I found that they are not familiar with the program or education of wives in the care and feeding of husband pilots. An Air Force publication came out on it about a year and a half ago.

Captain Shultz: I will check into it.

General Israel: We are also experiencing a situation in the Air Force where we have a lot of young families who need guidance not only from the administrative standpoint but also in personal conduct. This problem seems to be Air Force wide. Everything should be done to get this matter taken care of.

Commander, Hq Sq Section

Captain Hancock: The Community Chest and Red Cross are going to combine their campaign this year. There will be a meeting tomorrow at 1000 in the Chimes Building, which I will be attending. Would like the cooperation of all Squadron and Section heads in campaigning for this particular drive.

General Israel: Our goal this year is \$1000. Walter Blase should be appointed as contact person for this drive.

Deputy for Material

Lt Colonel Chast: Sergeant Bevelaker made a trip to the 64th AC&W Squadron and discussed various matters. They stated that they would rather not go on Garrison Station because the food situation has very much improved. Also the Red Cross has opened there, providing additional facilities.

Latest information we have from Mr. Gleason at Thompson Road is that it will be completed by the end of this month.

General Israel: Has the problem of latitudes been solved?

Hq 32d Air Div (Def) Minutes of the Staff Meeting 4 ~~October~~ 1955

Lt Colonel Chido: They will be moved within the next week or ten days.

Captain Meyer and Lt Bidwell are going to Niagara on Thursday. If anyone has anything they would like them to look into, please notify us.

We received a wire as of yesterday regarding RC 121's. The contract for maintenance has been renewed for FY 56 for RC 121's.

General Israel: Do you have anymore information on the Texas Tower deal?

Lt Colonel Chido: No, Sir. Was going to wait and talk it over with you before I did anything.

Colonel O'Neill: There is an officer coming up from Eastern who will give us a complete briefing on it. He is the Project Officer on this subject.

General Israel: I was informed at Eastern that real estate has been purchased in conjunction with Top Sham, to move the 654th AC&W Squadron out of Brunswick Naval Air Station.

Deputy for Personnel

Lt Colonel Fenn: Tentatively I have scheduled a trip to the Texas Towers. I plan on spending this Saturday night there or the following Saturday night.

Commander, 4673d GOS

Major Moberly: Colonel Chido, would like Lt Bidwell to go by way of the Buffalo Filter Center on his trip to Niagara. They are having trouble with vehicles. With winter coming up, they are in pretty bad shape. Would like other staff members who are going that way to stop by and say "Hello".

BWA

COPY

COPY

NAVY DEPUTY
32D JOINT AIR DEFENSE DIVISION
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

26 OCTOBER 1955

CONFIDENTIAL
MODIFIED HANDLING AUTHORIZED

FROM: NAVY DEPUTY, 32D JOINT AIR DEFENSE DIVISION
TO: COMMANDER NAVAL FORCES, EASTERN CONTINENTAL AIR DEFENSE FORCE

SUBJ: CPX "WOODCHUCK"; COMMENTS ON

1. THE FOLLOWING IS A RECORD OF SIMULATED ACTION TAKEN WITH RESPECT TO NAVY FORCES DURING THE SUBJECT EXERCISE AND A DISCUSSION OF SOME OF THE PROBLEM AREAS WHICH WERE REVEALED BY THIS EXERCISE.

180735Z - NAVY DEPUTY NOTIFIED THAT EXERCISE WOODCHUCK HAD COMMENCED AND THAT AUGMENTATION FORCES HAD BEEN REQUESTED.

180820Z - NOTIFIED OF SIMULATED RED ALERT. SIMULATED REQUESTS FOR FIGHTER AIRCRAFT WERE MADE TO NAVY UNITS AT NIAGARA AND SOUTH WEYMOUTH VIA THE AC&W SQUADRONS.

180900Z - 4 F4F-6 AIRCRAFT FROM SOUTH WEYMOUTH PLACED ON 1 HOUR STANDBY FOR DAY VFR INTERCEPTS AND 4 F2H-2 AIRCRAFT FROM NIAGARA PLACED ON 1 HOUR STANDBY FOR DAY VFR INTERCEPT.

180902Z - NOTIFIED BUFFALO BOMBED.

180906Z - NOTIFIED BOSTON BOMBED.

180925Z - SOUTH WEYMOUTH ESTIMATED TO BE IN THE FALL-OUT AREA. DIVISION COMMANDER RECOMMENDED REDEPLOYMENT OF ALL AVAILABLE WEYMOUTH AIRCRAFT. 4 AIRCRAFT WERE REDEPLOYED TO NAS, BRUNSWICK, MAINE.

180940Z - JEADF NOTIFIED OF REDEPLOYMENT.

181030Z - NAVY NIAGARA STATUS INCREASED TO 8 F2H-2 AIRCRAFT.

181050Z - PICKET VESSEL STATION #2 NOTIFIED THAT IT WOULD BE IN THE PREDICTED FALL-OUT AREA.

181215Z - RECEIVED MESSAGE CONCERNING STATUS OF NAVAL AA IN BOSTON AREA.

181330Z - TWX ORIGINATED GIVING SIMULATED NAVY AA STATUS IN BOSTON.

CONFIDENTIAL MODIFIED HANDLING AUTHORIZED

0165

COPY

COPY

CONFIDENTIAL
MODIFIED HANDLING AUTHORIZED

NAVY DEPUTY, 32D JOINT AIR DEFENSE DIVISION SUBJECT: CPX "WOOD-
CHUCK"; COMMENTS ON

181605Z - RECEIVED MESSAGE FROM "OCEANIC" REGARDING AVAILABILITY OF
3 DESTROYERS FOR AA DEFENSE OF HARBOR AREAS.

181845Z - NOTIFIED THAT EASTERN SEA FRONTIER WAS MOVING TO ALTERNAT
HEADQUARTERS.

191030Z - CPX WOODCHUCK TERMINATED.

2. COMMENTS

A. REDEPLOYMENT - DURING ALL OF THESE EXERCISES WHICH SIMULATE
THE USE OF NUCLEAR WEAPONS AGAINST TARGET CITIES IT HAS BEEN
STANDARD POLICY TO REDEPLOY AS SOON AS POSSIBLE, FIGHTER AIRCRAFT
WHICH ARE STILL OPERATIONAL SO AS NOT TO LOSE THEIR INTERCEPT
CAPABILITY AS A RESULT OF RADIOACTIVE FALL-OUT. THIS IS DONE AT
THE DIRECTION OF THE DIVISION COMMANDER MINUTES AFTER RECEIVING
NOTIFICATION OF BOMB DAMAGE IN THE VICINITY OF FIGHTER BASES AND
A PREDICTION HAS BEEN MADE OF THE DIRECTION OF FALL-OUT, TIME
BEING OF THE ESSENCE. CNARESTRA Op PLAN 1-54 SPECIFIES THAT NAVAL
AIRCRAFT WILL NOT NORMALLY BE REDEPLOYED WITHOUT THE PRIOR CON-
CURRENCE OF COMMANDER EASTERN SEA FRONTIER AND THAT IN THE EVENT
OF REDEPLOYMENT, NAVAL AIRCRAFT WILL BE REDEPLOYED TO NAVAL AIR
BASES TO THE EXTENT PRACTICABLE. IT SHOULD BE NOTED HERE THAT IT
MAY BE NECESSARY TO MOVE NAVAL AIRCRAFT OUT OF A PREDICTED FALL-
OUT AREA ON A MOMENT'S NOTICE IN ORDER TO PRESERVE THEIR AIR
DEFENSE POTENTIAL. THE DELAY WHICH COULD BE INVOLVED IN OBTAIN-
ING REDEPLOYMENT AUTHORIZATION FROM EASTERN SEA FRONTIER MAY NOT
BE ACCEPTABLE UNDER THESE CONDITIONS AND FURTHER, IT MAY BE THE
DESIRE OF THE DIVISION COMMANDER TO CONCENTRATE AVAILABLE FIGHTER
AIRCRAFT IN AN AREA WHICH HAS NO NAVAL AIR BASE. IT IS REALIZED
THAT IN A TRUE EMERGENCY MANY OF THE RESTRICTIONS IMPOSED BY
EXISTING REGULATIONS WILL OF NECESSITY HAVE TO GO BY THE BOARD.
IT IS RECOMMENDED HOWEVER, THAT SOME CONSIDERATION BE GIVEN TO
THE FOREGOING SITUATION AND THAT NAVY FORCES BE MADE AWARE OF THE
POSSIBILITY OF THESE EMERGENCY REDEPLOYMENTS WITHOUT PRIOR APPROVAL

DURING THIS EXERCISE A DECISION WAS MADE TO EVACUATE ALL NON-ESSEN-
TIAL PERSONNEL FROM AN AIR FORCE BASE WHICH WAS IN A PREDICTED
FALL-OUT AREA. HOWEVER, PERSONNEL NECESSARY TO MAINTAIN THE
OPERATIONAL CAPABILITY OF THE BASE WERE ORDERED TO STAND FAST.
DOES THE DIVISION COMMANDER HAVE THE AUTHORITY TO ORDER A SIMILAR
EVACUATION FOR A NAVAL BASE WHOSE FIGHTER AIRCRAFT HAVE BEEN
COMMITTED TO HIS OPERATIONAL CONTROL?

2

CONFIDENTIAL - MODIFIED HANDLING AUTHORIZED

0166

COPY

COPY

CONFIDENTIAL
MODIFIED HANDLING AUTHORIZED

NAVY DEPUTY, 32d JOINT AIR DEFENSE DIVISION SUBJECT: CPX
"WOODCHUCK"; COMMENTS ON

B. PICKET VESSELS - INFORMATION IS REQUESTED CONCERNING
WHAT ACTION PICKET VESSELS ON STATION WOULD TAKE IN THE EVENT
THAT THEY ARE IN A PREDICTED FALL-OUT AREA AND WHETHER THEY
COULD BE EXPECTED TO REMAIN OPERATIONAL.

C. SEVERAL MESSAGES WERE RECEIVED DURING THE EXERCISE
AND SIMULATED AS BEING PASSED FROM "OCEANIC" RADIO. THESE
MESSAGES WERE CONFUSING SINCE THE ORIGINATOR WAS NOT SPECIFIED
NOR WERE ADDRESSES INDICATED. IT IS ASSUMED THAT "OCEANIC"
RADIO WAS ACTING AS A RADIO RELAY FOR SOME UNIT WHICH HAD LOST
LANDLINE COMMUNICATIONS. ACTION CONCERNING THESE MESSAGES
COULD NOT BE TAKEN BECAUSE OF THE INCOMPLETENESS OF THE INFORM-
ATION. IT IS RECOMMENDED THAT IF "OCEANIC" RADIO IS TO BE USED
IN FUTURE EXERCISES OR IN ACTUAL EMERGENCIES COMPLETE MESSAGES
BE RELAYED SO THAT APPROPRIATE ACTION MAY BE TAKEN.

/s/ B. SEVILLA
/t/ B. SEVILLA

CONFIDENTIAL
MODIFIED HANDLING AUTHORIZED

3

0167

COPY

SECRET

COPY

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

OOT-A

14 Nov 1955

SUBJECT: REPORT OF PARTICIPATION IN CPX "WOODCHUCK"

TO: COMMANDER
EASTERN AIR DEFENSE FORCE
STEWART AIR FORCE BASE
NEWBURGH, NEW YORK

1. IN ACCORDANCE WITH EADF OPERATIONS ORDER 47-55, THE FOLLOWING REPORT IS SUBMITTED. THIS REPORT IS A CONSOLIDATION OF REPORTS RECEIVED FROM STAFF AGENCIES WITHIN THE 32D AIR DIVISION WHICH WERE PARTICIPANTS IN THE EXERCISE. COMMENTS AND RECOMMENDATIONS FROM PARTICIPATING STAFF AGENCIES ARE INCLUDED. EACH AGENCY IS IDENTIFIED BY THE FOLLOWING LIST OF TABS.

TAB A	OOO
TAB B	OCE
TAB C	OOT
TAB D	MDM
TAB E	PDP
TAB F	OIN
TAB G	OFS
TAB H	OSU
TAB I	OPR
TAB J	OFCD
TAB K	OPM
TAB L	IIS
TAB M	FFC
TAB N	AIO
TAB O	AAA
TAB P	NAVY
TAB Q	OOD

FOR THE COMMANDER:

1 INCL:
A/S

/s/ EVERITT W. HOWE
/t/ EVERITT W. HOWE
MAJOR, USAF
ADJUTANT

280/5

SECRET

554053

0168

C O P Y

SECRET
GOC LOG

C O P Y

0221Z TWX #5001 RECEIVED

0225Z GENERAL ISRAEL NOTIFIED

0228Z BATTLE STAFF NOTIFIED

0636Z NEAC ON "COCKED PISTOL" AT 0617Z

0638Z NEAC ON "LEMON JUICE" AT 0637Z

0646Z 32D ON "COCKED PISTOL"

0649Z EADF ADVISED OF "COCKED PISTOL"

0654Z WINGS ADVISED OF "COCKED PISTOL"

0700Z BATTLE STAFF ADVISED OF "COCKED PISTOL"

0705Z REQUESTED AUGMENTATION FORCES

0708Z MESSAGE RECEIVED, "MANY AIRCRAFT SIGHTED, 8230N 7500" BY B-47
CREW AT 13/0528Z.

0710Z SIMULATED MOVING ALL AVAILABLE AIRCRAFT TO 5 MINUTES

0713Z RCAF ON "LEMON JUICE"

0715Z SIMULATED COMPLETING NOTIFICATION OF AIRCRAFT WITH UNITS, FIS,
WINGS AND GOC.

0718Z GENERAL ISRAEL WANTED TO KNOW PROVISIONS TO SCRAMBLE IF VISI-
BILITY IS 1/8 MILE OR LESS.

0730Z 76TH FIS NOTIFIED TO RETURN TO PRESQUE ISLE FROM MOODY

0730Z ALL ENGINEERED CIRCUITS REQUESTED TO BE PUT IN SERVICE

0745Z CPX UMPIRE THAT WEATHER IS ABOVE MINIMUMS UNTIL 1200Z

0750Z EADF IS "COCKED PISTOL" AT 0745Z.

0750Z EADF INFORMS THAT ALL GOC NOW 24 HOURS OPERATION. AUGMENTATION
FORCES AND ENGINEERED CIRCUITS ORDERED IN.

0800Z SIMULATED REQUESTING 551ST AEW&C FOR MORE AVAILABLE AIRCRAFT.

0800Z SIMULATED ORDERING P-80 TO BECOME OPERATIONAL. (P-80 WAS ON
ANNUAL OVERHAUL).

SECRET

554059

0169

C O P Y

SECRET

C O P Y

0805Z RCAF ON "APPLE JACK" AT 0756Z

0805Z 32D ON "APPLE JACK", CONELRAD AND SCATER SIMULATED.

0812Z CONAD ON "BIG NOISE" AT 0757Z

0814Z REQUESTED AUGMENTATION FORCES

0816Z 30TH AD ON "COCKED PISTOL" AT 0752Z, "APPLE JACK" AT 0815Z

0817Z EADF ON "APPLE JACK"

0818Z SIMULATED CALL TO AC&W FOR AUGMENTATION FORCES

0830Z 26TH AD ON "APPLE JACK" AT 0825Z

0858Z 76TH FIS FROM MOOD - ETA PRESQUE ISLE AT 1128Z

0902Z MESSAGE ON "CREAM PUFF" OR "CUSTARD PIE" EXPLOSIONS AT LORING, WESTOVER, BUFFALO, BOSTON. HAVE DAMAGE SURVEYED BY NEAREST 32D UNIT - STATE CIVIL DEFENSE AGENCIES THRU FCDA, GOC, STATE POLICE, MARS.

0910Z LANDLINES OUT A 26TH AD. ALL MESSAGES WILL GO THROUGH 32D TO EADF.

09015Z BOMB DAMAGE REPORT REQUESTED.

0915Z P-50 INFORMS THAT 10 AIRCRAFT AIRBORNE FROM WESTOVER WERE DIVERTED TO STEWART. V-7 SENT. NAVY HAS 4 F9F'S AND 4-F4'S AT NIAGARA. USE ONLY ON VFR FLIGHTS. AIRCRAFT ARE ON 1 HOURS.

0920Z 32D AD UNITS ARE LOOKING OVER BASES AND STATE POLICE WILL REPORT OF ANY FALL-OUT DAMAGES.

0933Z P-80 WILL BE OPERATIONAL AT 1225Z. SOUTH TRURO AND VERONA SITES WILL BE OPERATIONAL AT 1037Z.

0935Z SIX HOURS BEFORE FALL-OUT FROM BUFFALO ARRIVES AT SYRACUSE.

0935Z 49TH FIS AT NIAGARA NOT EFFECTED BY FALL-OUT

0936Z SIMULATED CALLING P-50 TO STANDBY FOR POSSIBLE ALCOOP FOR 32D AD WITHIN 6 HOURS.

0940Z N. TRURO AND S. TRURO ORDERED TO OTIS BECAUSE OF FALL-OUT.

0940Z TPS-1C PACKAGED AND READY TO GO AT GRIFFISS AFB AT 1156Z

0945Z ENGINEERED CIRCUITS WILL BE IN AT 0950Z

0946Z OTIS ON EDGE OF FALL-OUT. NON-ESSENTIAL PERSONNEL TO EVACUATE SOUTH AND SOUTHWEST.

SECRET

0170

C O P Y

C O P Y

0946Z TOLL LINE, INSTALLED BETWEEN P-65 AND PRESQUE ISLE FOR CONTROL OF FIGHTERS AT PRESQUE ISLE. PRESQUE ISLE NOT EFFECTED BY FALL-OUT.

0950Z ROME TO SEND TPS-10 TO PRESQUE ISLE WITH CREW

1005Z DIVERTED 76TH FIS TO GRIFFISS INSTEAD OF PRESQUE ISLE

1007Z 8 DAY FIGHTERS AT HANSCOM (AUGMENTATION) FOR USE WITH AIR NATION/ GUARD.

1012Z 2 ADDITIONAL AEW&C AIRCRAFT IN COMMISSION. 1 AEW&C ON STATION AT P-80.

1020Z REQUESTED PERMISSION FROM EADF TO BRING 10 FIGHTERS FROM STEWART TO HANSCOM.

1030Z 34 F86D'S TO OTIS FROM SUFFOLK

1040Z LAST FIGHTER DOWN AT HANSCOM. ESTIMATE TURN-AROUND AT 1115Z

1045Z PICKET VESSEL NOT EFFECTED BY FALL-OUT. FALL-OUT INFORMATION RELAYED TO PV-2 THRU P-10.

1050Z MOVING 18 FIGHTERS FROM HANSCOM TO BURLINGTON DUE TO FALL-OUT.

1050Z EXPLOSION AT ALBANY.. COMMUNICATIONS AFFECTED.

1115Z F86D OUT OF WESTOVER WHO WERE DEPLOYED TO STEWART ARE BEING REDEPLOYED TO BURLINGTON.

1118Z AAA STATUS FROM AAA LIAISON OFFICER. BOSTON 60% OPERATIONAL, LORING 90%, NIAGARA 100%.

1145Z PER EADF - INITIAL ATTACK OVER. MAINTAIN A DEGREE OF NO LESS THAN "LEMON JUICE".

1148Z 32D AD ON "LEMON JUICE". FIGHTERS SIMULATED TO CONDITION 3, BUFFALO FALL-OUT EXPECTED TO EFFECT SYRACUSE AT APPROXIMATELY 1500Z.

1315Z 12 F94C'S AND 6 T-33'S DEPLOYED FROM MOODY TO GRIFFISS.

1330Z EADF ON "SNOW MAN".

1332Z 32D AD ON "SNOW MAN. ALL AGENCIES NOTIFIED.

1335Z CONELRAD AND SCATER STILL IN EFFECT.

1400Z BASE COMMANDER REMINDED OF ANTICIPATED MOVEMENT OF NON-- ESSENTIAL PERSONNEL FROM 32D.

554059

0171

C O P Y

SECRET

C O P Y

1451Z 17 OF AIRCRAFT AT OTIS FROM SUFFOLK WILL BE SENT IMMEDIATELY TO STEWART AT REQUEST OF 26TH AD. REMAINING 17 AIRCRAFT WILL PROCEED TO NIAGARA, 32D AD DECISION.

1502Z 30TH AD ON "LEMON JUICE"

1502Z 32D AD ON "LEMON JUICE". ALL NOTIFIED.

1511Z 30TH AD ON "APPLE JACK"

1525Z 32D AD ON "SNOW MAN" ALL NOTIFIED

1536Z 30TH AD ON "SNOW MAN"

1610Z AAA AT LORING, BOSTON AND NIAGARA ON 20 MINUTE STATUS.

1710Z PATTERN FELL SHORT.

1715Z BOSTON ARTC, CLEVELAND ARTC AND NEW YORK ARTC INOPERATIVE DUE TO BOMBING. SCATER AND CONELRAD TO BE IMPLEMENTED BY CALW, FLIGHT SERVICE, GCI AND OTHER MEANS.

1900Z 26TH AD ON "LEMON JUICE" DUE TO ARTC BEING BOMBED. IF ANY AIRCRAF ARE TOPROCEED TO 26TH IT WILL BE CLEARED WITH THE 26TH AND FLIGHT FOLLOWED BY GCI.

2046Z EADF DIRECTED FIS TO CONDITION 1.

2125Z BOSTON CALW NET REESTABLISHED AT 2009Z

2138Z 32D AD FIGHTERS ON CONDITION 1.

2158Z EADF DIRECTS FIS TO CONDITION 3.

2323Z ALL PERSONNEL EVACUATED BECAUSE OF FALL-OUT HAVE RETURNED TO STATIONS.

19/0110Z C&E CHECKING STATUS OF TPS-1C AT P-80.

0328Z TPS-1C OPERATIONAL AT P-80 AT 0300Z.

0345Z UNKNOWN TRACK SC15 1/45 42 REPORTED IN CANADA HEADING EAST. TREATED AS NORMAL UNKNOWN WITH EW PASSED TO CANADA. (NSTU)

0550Z FILTER CENTER REPORT RELAYED TO EADF.

0650Z PRIORITY OF AEW&C AIRCRAFT ESTABLISHED BY EADF.

0745Z ALL AEW&C RECALLED EXCEPT 1 ON STATION TO COVER FOR PV-4 IN 26TH A

0710Z FROM EADF-SAC EXPECTED TO PENETRATE 32D AD 0307Z. MAY HAVE EMERGENCY LANDINGS AT EADF BASES.

554053

0172

COPY

SECRET

COPY

0930Z 32D ON "LEMON JUICE". 60NCLRAD AND SCATER IMPLEMENTED.
0955Z FROM EADF - ADC ADVISES THAT 30 B-47'S REPORTED ST MAWGAN -
0950Z. ESTIMATE EAST ARGENTIA AT 1200Z ENROUTE LOCKBOURNE.
1030Z 32D AD "SNOW MAN"
1045Z CPX WOODCHUCK TERMINATED.

SECRET

554059

0173

C O P Y

OCEAN LOG
SECRET

C O P Y

0700Z CPX WOODCHUCK, BATTLE STAFF NOTIFIED.

0735Z INFO REC'D TO TRY TO CONTACT ALL STATIONS ON HF. CHECKED COMM CNTR
AND TRANSMITTERS

0810Z P-80 DESTROYED BY BOMB.

0825Z MSG TO WINGS AND SITES TO USE ALL ECOM TECHNIQUES AND TACTICS
AVAILABLE AT SITES.

0830Z CALLED 766TH TO PUT RADAR BACK ON THE AIR. CALLED 762D TO IMPL-
EMENT AGREEMENT BETWEEN UNIT AND LINCOLN LAB FOR SOUTH TRURO SYSTEM

0837Z MSG TO WINGS AND SITES. SPECIAL BLERT TO ALL AC&W COMMANDERS TO
MAINTAIN TOP PROFICIENCY OF ALL MAINTENANCE SITES.

0840Z SIMULATED CALL TO OPERATIONS OFFICER AT RADC, ROME AFB TO IMPL-
EMENT PROVISIONS OF 32D OPS PLAN 506-55 AND HQ ARDC LETTER
"MUTUAL AGREEMENT FOR DEFENSE OF US", DATED 23 NOV 51 FOR
VERONA FACILITIES.

0842Z SIMULATED CALL-UP OF ALL ENGINEERED CIRCUITS.

0845Z MSG TO EADF TO CALL UP VERONA FACILITIES.

0850Z MSG TO 4711TH. REQUESTING RADAR EQUIPMENT AT 766TH RETURNED TO
NORMAL OPERATION IMMEDIATELY.

0853Z NOTIFIED BY COMMITTEE THAT P-80 AND SOUTH TRURO OPERATIONAL AT
1225Z. VERONA OPERATIONAL AT 1037Z.

0852Z LT EBERALL CALLED INQUIRING TO WHEREABOUTS OF CLIFF REPORT.

0858Z MSG TO 762D, INFO 4707TH TO CALL-UP LINCOLN LAB SYSTEM FPS-3 AND
FPS-6. OPERATIONAL AT 1225Z/18.

0900Z CALLED ROME TO GET TPS-10 PACKAGED AND REDDY FOR USE READY AT
1156Z/18.

0902Z CALLED G.E. TO GET FPS--7 ON AIR AS SOON AS POSSIBLE. OPERATIONAL
0956Z/18.

0904Z MSG TO EADF REQUESTING USE OF PASSIVE DETECTION FACILITIES AT
ST HUBERT RCAF.

0905Z CALLED SIMPSON EXT 4. CORRECTION TO INQUIRY OF CLIFF REPORTS
REPORTS HAVE BEEN SENT TO EADF COC BY CONTROL CENTER. SAMPLE
COC 1181.

SECRET

554059

0174

C O P Y

SECRET

C O P Y

- 0915Z NOTIFIED BY CPX COMMITTEE THAT TCP-1C PACKAGED AND READY TO GO AT 1156Z. FPS-7 OPERATIONAL AT 0956Z. ENGINEERED CIRCUITS IN AT 0850Z.
- 0922Z MSG TO JEADF ALL WIRE COMM CKTS TO 762D ACW DISRUPTED AT 18/0905Z. DUE TO BOSTON BOMB DAMAGE - SQUADRON ADVISES THAT ALL CKTS EXCEPT AFC 241 WILL BE RE-ESTABLISHED IN APPROXIMATELY ONE HOUR. ALL COMMUNICATIONS TO BOSTON ARTCC IS OUT AND NO ANTICIPATED TIME OF RETURN CAN BE MADE PENDING SURVEY OF BOMB DAMAGE IN BOSTON AREA. CPX WOODCHUCK CPX
- 0932Z NORTH & SOUTH TRURO ARE IN FALL-OUT PATTERN BUT OPERATIONA. NON ESSENTIAL PERSONNEL MOVED TO OTIS.
- 0937Z COORDINATED MSG FROM CIVIL DEFENSE. ALL FILTER CENTER CIRCUITS OUT EXCEPT CIRCUIT TO TRENTON, N.J. FILTER CENTER MSG TO EADF.
- 0940Z COORDINATED MSG FROM CIVIL DEFENSE FILTER CENTER OVERLAP TELLING CIRCUIT TO BUFALO FILTER CENTER REPORTED OUT BY SYRACUSE FILTER CENTER. MSG TO EADF.
- 0940Z WESTOVER COMMUNICATIONS OUT - ATOMIC EXPLOSION DESTROYED BASE. NO COMMUNICATIONS CONTACT. COMMANDING GENERAL WILL SEND RE-CONNAISSANCE AIRCRAFT TO OBTAIN ESTIMATE OF DAMAGE.
- 0947Z TELEPHONE CALL FROM CAPT SHERMAN VERIFYING 0540 ENTRY.
- 0955Z INITIATED MARS NET CALL NET #4 ALL ANSWERED.
- 0957Z TWXED EADF INFORMED THEM THAT TELEPHONE COMPANY WILL INSTALL TOLL CIRCUIT FROM CHARLESTON TO PRESQUE ISLE; TERMINATED AT P-65 AND OPERATIONSAT PRESQUE ISLE.
- 1000Z SIMULATED CALL TO BELL TELEPHONE COMPANY TO HAVE CHARLESTON CIRCUIT INSTALLED.
- 1012Z SIMULATED CALL TO BELL TELEPHONE COMPANY FROM OEF TO SYRACUSE, AEW&C AIRCRAFT OVER P-30.
- 1043Z SENT SIMULATED MSG TO ROME CONFIRMING TELEPHONE CALL TO PLACE TPS-1C IN READINESS TO BE SHIPPED.
- 1045Z REQUEST COL CHIDO TO GET AIRLIFT FOR TPS-1C FROM ROME TO PRESQUE ISL
- 1048Z RECEIVED INFORMATION OF MSG PROBLEM FROM CIVIL DEFENSE THAT ALBANY FILTER CENTER WAS BOMBED FROM WITHIN. ALSO TELEPHONE BUILDING WAS BOMBED BUT LIMITED CALLS GETTING THROUGH TO ALBANY BY REROUTING.
- 1055Z CALLED COMMANDER NY AIR NATIONAL GUARD TO PLACE TPS-1D AT HANCOCK FIELD ON STANDBY STATUS TO BE USED AS NEEDED.

SECRET

554059

0175

C O P Y

SECRET

C O P Y

- 1057Z CALLED TELEPHONE COMPANY ABOUT REROUTING TELEPHONE AND TELETYPE SERVICE FROM BOMBED OUT ALBANY CENTER TO ALTERNATE AT MANCHESTER FILTER CENTER.
- 1107Z MSG TO JEADF CONFIRMING TELEPHONE CALL TO ROME, DIRECTOR SUPPLY AND SERVICES TO HAVE TPS-1C PACKAGED AND READY FOR SHIPMENT.
- 1110Z CALLED TELEPHONE COMPANY REQUESTING THEY INVESTIGATE DAMAGE AT ALBANY AND REROUTE ANY CIRCUITS ROUTED THROUGH ALBANY TO SARATOGA SPRINGS.
- 1112Z MSG JEADF REQUESTING AUTHORITY TO UTILIZE ANG EQUIPMENT AVAILABLE IN THIS DIVISION.
- 1115Z MSG TO EADF TO CONFIRM 0657 ENTRY.
- 1118Z MSG TO EADF AND 4707TH TO CONFIRM 0170 ENTRY.
- 1120Z BOSTON AAA BATTERY 60% OPERATIONAL; LORING AAA BATTERY 90% OPERATIONAL; NIAGARA AAA BATTERY 100% OPERATIONAL, INFORMATION FROM COL LEWIS.
- 1148Z LEMON JUICE
- 1149Z COORDINATE MDM MSG REQUEST AIRLIFT OF TPS-1C FROM ROME TO PRESQUE ISLE. ACF MDM 1032.
- 1248Z COORDINATE CPM MSG RELATIVE TO P-21 AND P-50 BECOMING INOPERATIVE POWER AND TELEPHONE WIRES WERE CUT. ESTIMATE 12 TO 18 HOURS NECESSARY TO RETURN TO NORMAL OPERATION.
- 1309Z SIMULATED CALL TO TELEPHONE COMPANY REQUESTING THEY INVESTIGATE DAMAGE DONE BY SABATOGUE TO LANDLINES OUTSIDE OF SARATOGA AND LOCKPORT. ALSO SIMULATED CALL TO RECEIVERS HERE AT 32D TO MAKE ALL EFFORTS TO CONTACT THESE SQUADRONS ON HF. IF IMPOSSIBLE TO GET CONTACT ON HF USE MARS.
- 1315Z SBBT MSG TO BACK-UP TELEPHONE CALL AT 0909.
- 1330Z RECEIVED CALL FROM CAPT. ERICKSON, EADF, HE REQUESTED WE CONTACT TELEPHONE COMPANY ON REROUTING LINE TO WESTOVER.
- 1335Z SIMULATED CALL TO TELEPHONE COMPANY REQUESTING REROUTING OF CIRCUIT TO WESTOVER. TWX SENT TO JEADF 16.
- 1345Z CALLED CAPT. ERICKSON TOLD HIM TELEPHONE COMPANY COULD AND WOULD REROUTE CIRCUIT TO WESTOVER FROM 32D. TWX SENT - 15.
- 1840Z SENT MSG CONCERNING BASE DIESEL POWER AT 655TH. HF USED TO REPLACE LINES. SIMULATED CALL TO TELEPHONE COMPANY ABOUT REPAIR OF CIRCUITS.
- 1840Z MSG FROM JEADF REQUESTING CHARIFIGATION ON NATIONAL GUARD EQUIPMENT TO BE UTILIZED BY THIS HEADQUARTERS. (EADF)

SECRET
0176

C O P Y

SECRET

C O P Y

- 1925Z ALL FALL AREAS CLEARED.
- 1945Z SENT MSG TO JEADF CLARIFYING AIR NATIONAL GUARD EQUIPMENT TO BE UTILIZED.
- 2105Z CALL FROM CAPT JONES EADF -60 REQUEST INFORMATION AS TO STATUS OF LANDLINES TO P-21 AND P-50. TELEPHONE COMPANY HAS NOT STATED ESTIMATED TIME LINES RETURNED FOR USE TO THIS HEADQUARTERS. WILL CHECK AND CALL BACK.
- 2146Z MSG TO EADF STATING TPS-10 IS ASSIGNED AT DIVISION AND THAT NO TECHNICAL ASSISTANCE NECESSARY FOR USE AT PRESQUE ISLE. REF EADF MSG EAMEL 10.
- 2052Z MSG TO EADF. TO CONFIRM 1840 ENTRY AND STATING EADF WILL BE ADVISED OF STATUS.
- 2345Z CAPT JONES, EADF CALLED REQUESTING TYPE COMMUNICATIONS AND TO WHOM THE AEW&C OVER P-30 ARE REPORTING TO. (VOICE & ON HF TO FOUNDER)
- 19/0002Z CALL CPX COMMITTEE, THIS HQ, TO INFORM THEM OF ATTEMPT PHONE CALL TO CAPT JONES WHO IS AT PRESENT IN CONFERENCE WITH COMMANDING GENERAL, EADF OF THE 1945 ENTRY INFORMATION.
- 0008Z RECEIVED INFORMATION FROM COMMITTEE THAT LANDLINE TO P-50 AND P-21 RESTORED AT 1832Z (1432 EDT)
- 0040Z CAPT JONES, EADF-60 CALLED FOR INFORMATION ON LANDLINE AND AEW&C GAVE INFORMATION CONTAINED IN 1945 AND 2002 ENTRIES.
- 0055Z MSG TO JEADF CONFIRMING ABOVE, 2040 ENTRY.
- 0113Z MSG TO 4707TH REFERENCE ACOFOE 6 - REQUEST STATUS OF REQUIREMENT.
- 0115Z CAPT FLING, OOC CALLED FOR INFORMATION OF TPS-10 AS TO OPERATIONAL TIME AT PRESQUE ISLE - AWAITING INFORMATION FROM EADF.
- 0118Z CAPT GLADHILL, EADF MEL, CALLED REFERENCE TPS-10 - AIRLIFT TO PRESQUE ISLE.
- 0140Z RECEIVED CALL FROM COL SHAEFFER REQUESTING INFORMATION AS TO TIME TPC-10 WAS AIRLIFTED TO PRESQUE ISLE AND WHEN WAS IT OPERATIONAL.
- 0330Z TPS-10 IN PLACE AND OPERATIONAL AT 19/0330Z AT PRESQUE ISLE.
- 0322Z CALLED COL SHAEFFER RELATIVE TO 2300 ENTRY.
- 0325Z MSG TO JEADF CONFIRMING 2300 ENTRY.
- 0344Z NOTE: (NOT REQUESTED ACTION) CALLED MAJ IRBY REFERENCE AIR NATIONAL GUARD TPS-10 LOCATED AT HANCOCK FIELD. EADF WAR CAPABILITIES PLAN 1-55 DOES NOT GIVE EADF OR THIS DIVISION ANY ANG ACW EQUIPMENT

0177

COPY

COPY

19 OCTOBER 1955

SECRET

0405Z RCAF ON LEMON JUICE

0430Z RECEIVED ANSWER FROM JEADF TO MY MSG - ENTRY 18/1545 EDT GRANTING AUTHORITY TO USE TPS-1D AT HANCOCK FIELD. MSG STATED EQUIPMENT OWNED BY 138TH FIS.

0505Z RECEIVED MSG FROM 4707TH STATING THAT SOUTH TRURO WAS OPERATIONAL AND STANDBY AT 18/1410Z.

1030Z EXERCISE TERMINATED.

1. ACTION TAKEN BY OCE:

A. UPON INITIATION OF COCKED PISTOL - MESSAGES WERE SENT TO BOTH WINGS AND ALL AC&W SITES TO USE ALL ECCM TECHNIQUES AND TACTICS AVAILABLE. ALL SQUADRON COMMANDERS WERE TOLD TO MAINTAIN TOP PROFICIENCY OF MAINTENANCE PERSONNEL. LINCOLN LABORATORIES, FPS-3 AND FPS-6, AT SOUTH TRURO; FPS-7 AT G.E. PARK; AND EQUIPMENT AT VERONA WERE CALLED INTO USE ACCORDING TO EXISTING DIRECTIVES AND AGREEMENTS. ALL ENGINEERED CIRCUITS WERE CALLED UP. P-80, WHICH WAS ON ANNUAL OVERHAUL WAS TOLD TO RETURN TO NORMAL OPERATION IMMEDIATELY. ROLL CALL WAS INITIATED ON HF AND MARS FACILITIES WITH ALL STATIONS.

B. BECAUSE OF BOMB DAMAGE TO CASWELL AFS, IT WAS FELT NECESSARY TO COVER THE AREA WITH THE DIVISION BACKUP RADAR. THE TPS-1C HAS BEEN AT ROME AIR FORCE DEPOT FOR REHABILITATION SINCE 18 AUGUST 55 AND ALL COORDINATION TO INSURE ITS USE HAD TO BE PASSED TO AMC. A REQUEST TO PACKAGE THE EQUIPMENT FOR AIR SHIPMENT WAS MADE BY MDM THRU JEADF. THE STATUS OF THIS EQUIPMENT CAUSED CONSIDERABLE CONFUSION AT JEADF BECAUSE THEY DID NOT UNDERSTAND THAT WE WERE ASKING FOR EQUIPMENT WHICH BELONGED TO THIS DIVISION. THE MATTER WAS FINALLY CLEARED AND TPS-1C WAS IN PLACE AND OPERATIONAL AT 190300Z AT PRESQUE ISLE AIR FORCE BASE.

C. A REQUEST BY THIS SECTION COORDINATED WITH OPR, ASKED THAT ALL AIR NATIONAL GUARD RADAR FACILITIES IN THE 32D AIR DIVISION AREA BE RESERVED FOR USE OF THE COMMANDING GENERAL, 32D AIR DIVISION AS HE SAW FIT. IN EADF WAR CAPABILITIES PLAN 55-1, RADAR FACILITIES ARE NOT PART OF THE AUGMENTATION FORCES ASSIGNED TO THE 32D AIR DIVISION. A SUITABLE SOLUTION TO THIS PROBLEM WAS NOT OBTAINED.

D. A TELEPHONE SCRAMBLE CIRCUIT WAS REQUESTED FROM CHARLESTON AIR FORCE STATION TO PRESQUE ISLE AIR FORCE BASE, IN ORDER TO OBTAIN SUITABLE SCRAMBLE REPLACEMENT FOR CASWELL AIR FORCE STATION.

E. THE TELEPHONE COMPANY WAS REQUESTED TO REROUTE ALL CIRCUITS POSSIBLE WHICH WERE EFFECTED BY THE BOMB DAMAGE AT ALBANY, THROUGH SARATOGA SPRINGS AIR FORCE STATION.

SECRET

554059

0178

COPY

SECRET

COPY

F. A MESSAGE RECEIVED BY CPM, RELATIVE TO SABOTAGE OF LANDLINES AT 763D AND 656TH AC&W SQUADRONS, RESULTED IN A REQUEST TO THE TELEPHONE COMPANY TO INVESTIGATE DAMAGE AND SUBMIT AN ESTIMATE OF THE TIME REQUIRED FOR LINES TO BE OPERATIONAL. ALSO SQUADRONS WERE CALLED ON HF RADIO WHICH WAS USED UNTIL SERVICE WAS RESTORED.

G. AIR FORCE CIRCUIT 136B FROM SYRACUSE AF STATION TO WESTOVER AFB WAS REROUTED DIRECT TO SARATOGA SPRINGS AIR FORCE STATION AFTER BOMB DAMAGE AT WESTOVER.

2. RECOMMENDATIONS:

A. THAT FUTURE OPERATIONAL ORDERS, RELATIVE TO CLIFF REPORTS FROM SQUADRONS, BE MORE EXPLICIT WHEN SQUADRONS WHICH NORMALLY INITIATE THE REPORTS ARE NOT INCLUDED IN THE EXERCISE.

B. THAT INTELLIGENCE BE KEPT INFORMED OF DESTRUCTION AT SITES UNDER THIS COMMAND IN ORDER THAT OCE CAN TAKE ACTION AT ONCE ON REROUTING CIRCUITS AND PLACEMENT OF RADAR.

C. THAT HIGHER HEADQUARTERS PARTICIPATING IN FUTURE EXERCISES FOLLOW UP ALL REQUEST ON TELEPHONE BY MESSAGES SO THAT ACTION TAKEN CAN BE AUTHENTICATED AND ALSO A BETTER RUNNING CHECK CAN BE MADE OF COMPLETED ACTION DURING THE EXERCISE.

SECRET

554053

0179

C O P Y

SECRET
OOT Log

C O P Y

THIS REPORT IS IN THREE SECTIONS. SECTION I IS A COMBINED LOG OF INFORMATION RECEIVED AND ACTIONS TAKEN BY AC&W OFFICERS AND FIGHTER OFFICERS OF O & T. SECTION II CONTAINS COMMENTS AND RECOMMENDATIONS SUBMITTED BY FIGHTER OFFICERS AND SECTION III CONTAINS COMMENTS AND RECOMMENDATIONS SUBMITTED BY AC&W OFFICERS.

SECTION I

18/0401Z CALLED SUPPORT STATUS TO EADF

0533Z EADF WANTED ALL CARGO AIRCRAFT DEPLOYED TO MOODY TO AIRLIFT 445TH TO KINROSS AND THE 76TH TO PRESQUE ISLE. NOTIFIED WINGS

0610Z 76TH FIS DEPLOYED TO ROME

0612Z 10 F86D FROM 337TH FIS DEPLOYED FROM STEWART TO BEDFORD.

0625Z GAVE EADF FIGHTER STATUS

0630Z 8 NAVY AIRCRAFT AT NIAGARA ON ONE HOUR.

0633Z 34 F-86D DEPLOYED FROM SUFFOLK TO OTIS.

0640Z DEPLOYED 10 F86D'S OF 337TH FIS FROM BEDFORD TO BURLINGTON AND 8 F86D'S (ANG) TO BURLINGTON.

0925Z SIMULATED SENDING FOUR AIRMEN FROM ADCC TO ASSIST IN MANNING G.E. RADAR.

0950Z MAJOR MARSHALL FROM EADF REQUESTED RADAR STATUS. CONTACTED SQUADRON UMPIRE AND HE STATED AS OF NOW ALL STATIONS ARE IN.

1500Z REFERENCE CONVERSATION WITH CAPT CHARBONNEAU. ALL AIRCRAFT CLEARANCES REQUIRING ARTC APPROVAL FOR FLIGHTS THROUGH 26TH AIR DIVISION MUST BE OBTAINED THROUGH THE 32D AIR DIVISION CONTROL CENTER. 26TH AIR DIVISION ARTCC'S ARE OUT OF COMMISSION. THIS COULD APPLY TO DEPLOYMENTS, AIRLIFTS, ETC.

1615Z IMPLEMENTED 32D JOINT AIR DIVISION OPORD 47-55 WHICH REQUIRES AIRLIFT OF 445TH FIS TO HOME STATION FROM YUMA.

1630Z SENT CLASSIFIED TWX TO EADF REQUESTING THEY ADVISE US THREE HOURS IN ADVANCE OF SAC DISPERSAL TO GRIFFISS.

19/0555Z EADF ASKED HOW LONG IT WOULD TAKE FOR BOSTON ARTCC TO BECOME OPERATIONAL. CONTACTED CPX UMPIRE AND HE STATED THAT IT SHOULD BE OPERATIONAL IN 48 HOURS. PASSED THIS INFORMATION TO MAJOR GUERNSEY AT EADF

SECRET

554059

0180

C O P Y

SECRET

C O P Y

0645Z RECEIVED 4707TH MESSAGE STATING THAT AIRMEN ARE BEING HELD ON SUSPICION OF CONTAMINATION ACTIVITIES AT OTIS. CONTACTED UMPIRE AND WAS INFORMED THAT AN ADDITIONAL MESSAGE WAS ON ITS WAY STATING THAT CONTAMINATION AT OTIS HAD BEEN CLEARED UP AND AIRMEN RELEASED.

0910Z EADF ADVISES THAT UNKNOWN NUMBER OF SAC AIRCRAFT ARE EXPECTED TO PENETRATE 26TH AND 32D SECTORS AT 1307Z. AIRCRAFT MAY LAND AT EADF BASES IN EMERGENCY. COC DUTY OFFICER ADVISED.

0955Z FROM EADF: ADC ADVISES 30 B47'S REPORT ST MAWGEN AT 0950Z ETA 50 MI EAST ARGENTIA AT 1200Z ENROUTE DIRECT LOCKBOURNE. COC ADVISED.

1040Z CPX "WOOD CHECK" TERMINATED.

SECTION II OOT-FO COMMENTS ON EXERCISE.

1. COMMENTS ON AIR AUGMENTATION FORCES.

A. AIRCRAFT/CREW RATION OF AIR FORCE RESERVE UNITS SHOULD BE ADJUSTED, AND OVERAGES SHOULD BE REASSIGNED TO REGULAR FIGHTER UNITS WHERE CRITICAL SHORTAGES EXIST. ALTHOUGH THESE PERSONNEL ARE BY NO MEAN PROFICIENT, THEY WILL AT LEAST BE CURRENT IN JET AIRCRAFT. LOSSES ARE TO BE EXPECTED.

B. ALL SECTIONS SHOULD BE MADE TO REALIZE THAT POINTS OF LEGALITY WILL BE OF SECONDARY IMPORTANCE IN EVENT OF AN ALL-OUT DEFENSE AGAINST AIR ATTACK. LAGGING MOBILIZATION MACHINERY WILL HAVE TO CATCH UP TO OPERATIONAL REQUIREMENTS. A PILOT MAY BE EXPECTED TO PARTICIPATE OPERATIONALLY FOR SEVERAL WEEKS, TECHNICALLY AS A CIVILIAN AND WITHOUT FINANCIAL REIMBURSEMENT.

SECTION III AC&W OFFICERS COMMENTS.

IT WAS ASSUMED THAT AS A RESULT OF BOMB DAMAGE IN THE BOSTON AREA, THE BOSTON ARTCC WAS OUT OF COMMISSION. OF THE 64 CONTACT FACILITIES NECESSARY FOR IMPLEMENTING SCATER FROM THE BOSTON ARTCC, ONLY FIVE WERE OUT OF COMMISSION. WITH BOSTON AND CLEVELAND CENTERS GONE, WE COULD CONTINUE SCATER ON A LIMITED BASIS BY USING ADC CIRCUITS TO OTIS, DOW BURLINGTON, GRIFFISS, PRESQUE ISLE, AND SYRACUSE TOWERS. THESE AGENCIES WOULD IN TURN FAN-OUT INSTRUCTIONS TO EXISTING FACILITIES BY THEIR TIE-IN TO CAA CIRCUITS. THIS METHOD WOULD BE TIME--CONSUMING AND UNRELIABLE AND WE COULD NOT PROVIDE AIDS REQUIRED BY ANNEX AA SCATER WITH ANY DEGREE OF ACCURACY OR SPEED.

RECOMMEND THAT A STUDY BE MADE TO DETERMINE FEASIBILITY OF USING HF RADIO BETWEEN ADCC AND SELECTED CAA FACILITIES TO BE USED AS AN ALTERNATE MEANS OF DISSEMINATING SCATER ALERTS AND IMPLEMENTING REQUIRED SCATER ACTIONS WHEN THE ARTCC DOES NOT FUNCTION.

SECRET

554059

0181

C O P Y

C O P Y

MDM LOG

- SECRET**
- 0700Z NOTIFIED OF "COCKED PISTOL"
- 0805Z NOTIFIED OF "APPLE JACK"
- 1045Z OCE, THIS HEADQUARTERS, REQUESTED THAT ONE OF OUR TPS-1C BE AIRLIFTED FROM GRIFFISS AFB TO PRESQUE ISLE. AT 1050Z, IT WAS DETERMINED THAT THERE WERE NO AIRCRAFT AVAILABLE WITHIN 32D AD. JEADF WAS THEN CALLED FOR ASSISTANCE IN OBTAINING THE AIRLIFT. IT WAS DETERMINED THAT GRIFFISS COULD HANDLE THE AIRLIFT. A SIMULATED CALL WAS MADE TO GRIFFISS, FIRST, TO OPERATIONS TO SET UP AIRLIFT; SECOND, TO THE DIRECTOR OF SUPPLY/SERVICES TO CONFIRM THAT TPS 1C WOULD BE READY FOR SHIPMENT. THEN CALLED JEADF: DISREGARD REQUEST FOR ASSISTANCE. MESSAGE #1032 WAS SENT TO JEADF, INFO 4711TH AIR DEFENSE WING STATING SIMULATED ACTION TAKEN.
- 1248Z "LEMON JUICE" INITIATED. OCE VERABLY REQUESTED THIS OFFICE TO OBTAIN INFORMATION AS TO THE AVAILABILITY TO 32D AD OF CERTAIN COMMUNICATIONS AND ELECTRONICS EQUIPMENT.
- 1610Z RECEIVED A MESSAGE FROM 15TH FIGHTER GROUP (MSG #7103) STATING THAT SUPPLIES WERE URGENTLY NEEDED FROM THE NYANG WAREHOUSE AT ONZWANDA, NY BUT THE OIC REFUSED TO ISSUE THEM TO THE 15TH FIGHTER GROUP. A MESSAGE WAS SENT TO JEADF AT 1635Z REQUESTING ADVISE AS TO ACTION TO BE TAKEN.
- 1630Z RECEIVED A CADW MESSAGE FROM INTELLIGENCE CONCERNING A CIVIL DEFENSE REQUEST TO FEED AND HOUSE EVACUEES AT ETHAN ALLEN AFB. A MESSAGE WAS SENT TO JEADF REQUESTING ASSISTANCE AND ADVISE OF FEEDING AND HOUSING THE EVACUEES FROM ALBANY AND HOLYOKE AREAS.
- 2010Z RECEIVED A MESSAGE FROM 14TH FIGHTER GROUP (MSG #2208) STATING THAT REQUESTS ORIGINATING WITH CIVIL AUTHORITIES WERE BEING RECEIVED TO PROVIDE HOUSING SPACE FOR EVACUEES FROM BOSTON AREA. MESSAGES WERE SENT TO JEADF AND THE 14TH FIGHTER GROUP (SIMULATED), REQUESTING THIS HEADQUARTERS BE ADVISED: WILL OPERATIONAL PLANS OF JEADF PERMIT GRANTING SUCH REQUESTS? IS OCCUPATION OF PUBLIC QUARTERS BY CIVILIANS ALLOWABLE UNDER PRESENT CIRCUMSTANCES? CAN FUNDS BE MADE AVAILABLE TO REHABILITATE HOUSING UNITS FOR OCCUPATION BY CIVILIANS?
- 2045Z SIMULATED CALL TO KEY PERSONNEL OF THIS OFFICE TO RETURN FROM TDY AT PRESQUE ISLE AFB.
- 2055Z SIMULATED CALLING MOBILIZATION DAY ASSIGNEES TO ACTIVE DUTY. THIS WAS COORDINATED WITH PDP.
- 2125Z RECEIVED A MESSAGE FROM THE 15TH FIGHTER GROUP CPX WOOD CHECK 2009 REQUESTING 2 ADDITIONAL PUMPS FOR DECONTAMINATION OF BUILDING EXTERIORS BY HQSING. SENT MESSAGE TO 15TH FIGHTER GROUP WITH INFO TO JEADF AND 4707TH AD WING ADVISING THAT NO

0182

C O P Y

SECRET

C O P Y

PUMPERS COULD BE AVAILABLE AND SUGGESTING THAT ASSISTANCE BE OBTAINED FROM LOCAL FIRE DEPARTMENTS. ALSO THAT IF ASSISTANCE COULD NOT BE OBTAINED FROM LOCAL FIRE DEPARTMENTS, THIS HEADQUARTERS SHOULD BE ADVISED. (ACFMDM 31).

- 2325Z RECEIVED CALL FROM OCE, THIS HEADQUARTERS ASKING IF THE TPS-10 HAD DEPARTED GRIFFISS AFB FOR PRESQUE ISLE AFB; A CALL WAS SIMULATED TO GRIFFISS AFB REQUESTING THIS INFO AT 2338Z.
- 0010Z RECEIVED A MESSAGE FROM JEADF, EAMDM 1933 GIVING PROCEDURES TO BE FOLLOWED BY MONTPELIER CIVIL DEFENSE AUTHORITIES. A COPY TO THIS MESSAGE WAS GIVEN TO FCDA, THIS HEADQUARTERS, FOR NECESSARY ACTION.
- 0035Z RECEIVED A MESSAGE FROM JEADF CPX WOODCHUCK 2011 DIRECTING REVIEW OF M&O PROJECTS FOR POSSIBLE DELECTIONS. A MESSAGE WAS SIMULATED TO THE FIGHTER GROUPS REQUESTING THIS INFORMATION BE FORWARDED THROUGH COMMAND CHANNELS TO THIS HEADQUARTERS FOR CONSOLIDATION AND FORWARDING TO EADF. (ACFMDM 1040).
- 0040Z RECEIVE MESSAGE FROM JEADF, EAMDM 26, SUGGESTING THAT WE INFORM NYANG OF CONTENTS OF CINCONAD MESSAGE 7101Z. NYANG WAS CONTACTED BY PHONE (SIMULATED) AND JEADF WAS NOTIFIED BY MESSAGE THAT ALL SUPPLIES WERE MADE AVAILABLE (ACFMDM 44).
- 01040Z MESSAGE WAS RECEIVED FROM JEADF, EAMAC 2820 REQUESTING INFORMATION ON F-8D CRASH AT 58TH FIS. REPLY WAS SENT TO JEADF AT 0205Z (ACFMDM 43).
- 0140Z RECEIVED A CALL FROM CAPT STARK, MEMBER OF CPX COMMITTEE, WHO STATED THAT CAPT GLEDHILL AT JEADF HAD KILLED THE TPS-10 PROBLEM AT 0118Z.
- 0255Z RECEIVED A MESSAGE DWMMT-01 FROM THE 4707TH AD WING STATING THAT THE TWO 750 GALLON PUMPERS HAD BEEN MADE AVAILABLE TO THE 15TH FIGHTER GROUP BY LOCAL AUTHORITIES, THIS MESSAGE WAS SENT TO JEADF FOR THEIR INFORMATION.
- 0455Z RECEIVED JEADF MESSAGE EAMDM 28 IN REFERENCE TO THE USE OF ETHAN ALEEN AFB BY CIVILIAN DEFENSE. THIS MESSAGE WAS IN ANSWER TO OUR MESSAGE ACFMDM 1035. THE INFORMATION CONTAINED IN THE WIRE WAS COORDINATED WITH FCDA, THIS HEADQUARTERS AND A SIMULATED MESSAGE WAS SENT TO ETHAN ALLEN AFB QUOTING THE INFORMATION. JEADF WAS INFORMED BY MESSAGE OF THE ABOVE ACTION. (ACFMDM 1042).
- 0615Z RECEIVED A TELEPHONE CALL FROM JEADF, LT MITCHEL, IN REFERENCE TO Z-1 REPORT FOR WESTOVER AFB. HE WANTED TO KNOW IF THE INFORMATION REQUESTED IN PARTS 3, 4 AND 5 WAS AVAILABLE. AT 0700Z LT MITCHELL WAS INFORMED THAT THE INVESTIGATION AND DECONTAMINATION WAS STILL IN PROGRESS. AFTER COORDINATION WITH INTELLIGENCE AND CDC, THIS HEADQUARTERS; 0715Z JEADF WAS

554053

0183

COPY

SECRET

COPY

INFORMED THAT WESTOVER AFB HAD RECEIVED A DIRECT HIT BY A "CREAM PUFF" AND WAS 100% DESTROYED AND THERE WERE 100% CASUALTIES.

- 0600Z RECEIVED JEADF MESSAGE COC 1966 IN ANSWER TO OUR MESSAGE ACFMDM 1036 CONCERNING THE USE OF ETHAN ALLEN AFB BY CIVILIAN DEFENSE. THE INFORMATION CONTAINED IN THE MESSAGE WAS COORDINATED WITH FCDA, THIS HEADQUARTERS AND A SIMULATED MESSAGE WAS SENT TO ETHAN ALLEN AFB QUOTING INFORMATION CONTAINED IN FCDA ADVISORY BULLETIN NR 116 AND MESSAGE COC 1966. JEADF WAS INFORMED BY MESSAGE OF THE ABOVE ACTION (ACFMDM: 1041).
- 0820Z RECEIVED JEADF MESSAGE EAMSI 57, IN REFERENCE TO THE BOMB DAMAGE ASSESSMENT AND NECESSARY REPAIR AT BASES UNDER JURISDICTION OF 32D AD(D). CHECKED WITH INTELLIGENCE AND COC, THIS HEADQUARTERS AND WAS INFORMED THAT THERE WAS NO EXTENSIVE DAMAGE TO AIR BASES. ONLY CASWELL AFS WAS DESTROYED BUT IT IS NOT A BASE. A NEGATIVE REPORT WAS SENT TO JEADF AT 0845Z (ACFMDM 1043).
- 1030Z CPX WOOD CHUCK TERMINATED.

SECRET

554059

0184

COPY

FDP LOG

SECRET

COPY

1100Z 18 OCTOBER, RECEIVED JEADF MESSAGE 7101A DELEGATING AUTHORITY TO CALL MEMBERS OF THE READY RESERVE OF AIR FORCE RESERVE COMPONENTS TO ACTIVE DUTY.

ACTION TAKEN - OUR MESSAGE 10067 TO AIR DEFENSE WINGS REDELEGATING THIS AUTHORITY TO THEM.

COMMENT - THIS MESSAGE SHOULD HAVE BEEN SENT TO THE DO SHOP FOR ACTION AS WELL AS TO THE DP. THE MESSAGE DELEGATES AUTHORITY TO MOBILIZE CERTAIN RESERVE FORCE ORGANIZATIONS TO ACTIVE DUTY AS WELL AS CERTAIN INDIVIDUALS.

IN ACCORDANCE WITH CLASSIFIED DIRECTIVES, REQUESTED THE DIVISION ADJUTANT TO REVOKE OVERSEAS SHIPMENT ORDERS ON CERTAIN PERSONNEL.

COMMENT - THIS ACTION SHOULD HAVE BEEN INITIATED BY THE HEADQUARTERS SQUADRON SECTION AS IT IS AN ORGANIZATION PROBLEM.

RECEIVED JEADF MESSAGE SEAPMP-0 003 REQUESTING STATUS OF CASUALTIES AND ADDITION THE NUMBER OF PERSONNEL REQUIRED TO MAN THIS DIVISION TO 100%.

ACTION TAKEN - THE MESSAGE WAS FORWARDED TO BOTH WINGS, REQUESTING STATUS IN COMPLIANCE WITH THE JEADF MESSAGE. THE REPLY WAS RECEIVED FROM THE 4711TH WING AND WAS FORWARDED TO HEADQUARTERS JEADF AS A PARTIAL REPORT. REPLY FROM THE 4707TH WING WAS NOT RECEIVED UNTIL AFTER COMPLETION OF THE EXERCISE AND THEREFORE COMPLETE COMPLIANCE TO JEADF MESSAGE WAS NOT EFFECTED.

COMMENT - AT PRESENT THE ONLY COMMUNICATIONS AVAILABLE FROM THE DP, THIS HEADQUARTERS TO DP 4707TH WING, IS LONG DISTANCE TOLL CALLS AND TWSs. IN ORDER TO OBTAIN PROMPT RESPONSE, A TOLL CALL WOULD HAVE BEEN NECESSARY. THIS ACTION WAS NOT TAKEN DUE TO LIMITED FUNDS. THIS SITUATION POINTED OUT THAT THE DP WAS NOT AWARE OF THE CURRENT STATUS OF OTIS AIR FORCE BASE AND THAT HE WAS UNABLE TO ASCERTAIN, WITHIN THIS HEADQUARTERS, WHETHER OR NOT THE 4707TH WING WAS OPERATING.

RECEIVED MESSAGE FROM JEADF REQUIRING ADDITIONAL PERSONNEL BE FURNISHED TO CG 1ST ARMY TO AUGMENT MILITARY POLICY FORCE ON LONG ISLAND.

ACTION TAKEN - MESSAGE SENT TO HEADQUARTERS SQUADRON SECTION, 32D AD(D) AND 4707TH WING, DIRECTING COMPLIANCE AND REQUESTING THEY REPORT DIRECT TO CONAC WITH INFO TO HEADQUARTERS JEADF AND THIS HEADQUARTERS.

SECRET

554059

0185

COPY

SECRET

COPY

COMMENT - THE MESSAGE JEAIPM 13 WAS INITIALLY RECEIVED BY THE BASE PROVOST MARSHAL AND WAS TURNED OVER TO THIS OFFICE FOR NECESSARY ACTION AS OUTLINED ABOVE WAS TAKEN IN COORDINATION, AFTER THE FACT, WAS EFFECTED WITH THE DIVISION PROVOST MARSHAL

RECEIVED JEADF MESSAGE R-23, DELEGATING AUTHORITY TO RECALL CERTAIN STANDBY RESERVISTS.

ACTION TAKEN - SENT MESSAGE TO WINGS REDELEGATING AUTHORITY.

COMMENT - THIS MESSAGE RAISED THE QUESTION AS TO THE STATUS OF ALL RESERVE UNITS AND INDIVIDUAL RESERVISTS ASSIGNED TO THIS COMMAND. IT POINTED OUT THE NECESSITY FOR A BETTER UNDERSTANDING OF THE RESERVE OFFICERS PERSONNEL ACT OF 1955 AND THE NECESSITY OF OUR KNOWING WHICH RESERVISTS MAY BE CALLED TO ACTIVE DUTY BY DIRECTION OF THE PRESIDENT AND WHICH RESERVISTS MAY BE CALLED TO ACTIVE DUTY BY AN ACT OF CONGRESS.

THE WOODCHUCK COMMITTEE INJECTED THE PROBLEM OF THE RESERVE WING LOCATED AT NIAGARA, COMMANDED BY MAJOR GENERAL SPOTS, BEING ORDERED TO ACTIVE DUTY.

ACTION TAKEN - A CONFIDENTIAL MESSAGE WAS FORWARDED TO JEADF INFORMING THEM THAT THE WING AT NIAGARA, COMMANDED BY MAJOR GENERAL SPOTS WHO WAS BEING CALLED TO ACTIVE DUTY AND REQUESTED THEIR ADVISE.

COMMENT - THE PURPOSE FOR THE MESSAGE WAS TO REMIND JEADF THAT MAJOR GENERAL SPOTS WAS BEING CALLED TO ACTIVE DUTY AND THAT A SIMULATED DATE OF RANK WOULD PROBABLY HAVE HIM IN A POSITION OF ASSUMING COMMAND OF JEADF.

GENERAL COMMENTS:

EADF MANUAL 23-1, ACTION AGENCIES FOR AREAS OF RESPONSIBILITY, DATED 13 APRIL 1955 WAS NOT FOLLOWED DURING EXERCISE WOODCHUCK AS THIS DIRECTIVE IS PRESENTLY IN EFFECT, I RECOMMEND THAT THOSE WRITE THE PROBLEMS FOR THE EXERCISES FOLLOW EXISTENT DIRECTIVES.

554059

SECRET

0186

COPY

SECRET OIN Log

COPY

(TA- TO ALL UNITS)
 (NSP-NOTIFIED STAFF PERS)
 (HL -HOTLINE CALL)

JEADF TWX-CIC 5001. GENERAL SITUATION AND DOUBLE TAKE ACTION	TA, NSP, OSI
EADF TWX 5001Z CORRECTION TO 5001	CORRECTION MADE
EADF HL MSG #1. JET ACFT SIGHTED	TA, NSP
JEADF TWX 5004. TIMBER FALL DECLARED	TA, NSP
EADF HL MSG #2. SUB ACTIVITY	TA, NSP
HL HELLS BELLS, C.P. EXPLOSION AT WESTOVER	HL TO EADF, TA, NSP
HL HELLS BELLS C.P. EXPLOSION AT BUFFALO	HL TO EADF, TA, NSP
FCDA MSG. C.P. EXPLOSION AT LORING	HL TO EADF, TA, NSP
HL HELLS BELLS C.P. EXPLOSION AT BOST	HL TO EADF, TA, NSP
HL HELLS BELLS C.P. EXPLOSION AT LORING	HL TO EADF, TA, NSP
FCDA MSG C.P. EXPLOSION AT BUFFALO	HL TO EADF, TA, NSP
FCDA MSG. UNKNOWN EXPLOSION AT Boston BURLINGTON	HL TO EADF, TA, NSP
FCDA MSG. C.P. EXPLOSION AT BOSTON	HL TO EADF, TA, NSP
FCDA MSG C.P. EXPLOSION AT WESTOVER & HOLYOKE	HL TO EADF, TA, NSP
FCDA MSG UNKNOWN EXPLOSION AT ALBANY	HL TO EADF, TA, NSP
INTELLIGENCE DEBRIEF 5007A - 75TH FIS	HL TO EADF, TA
INTELLIGENCE DEBRIEF 5007E - 37TH FIS	HL TO EADF, TA
INTELLIGENCE DEBRIEF 5007C - 27TH FIS	HL TO EADF, TA
INTELLIGENCE DEBRIEF 5007B - 337TH FIS	HL TO EADF, TA
INTELLIGENCE DEBRIEF 5007D - 337TH FIS	HL TO EADF, TA
JEADF TWX-CIC 005. TARGETS ATTACKED	TA, NSP
FCDA MSG, POSSIBLE BACTERIOLOGICAL WARFARE ATTEMPT AT PRESQUE ISLE	HL TO EADF & 4707TH ADM NSP

SECRET

554053

0187

COPY

COPY

SECRET

JEADF TWX 2 HR SUMMARY, NO CHANGE	NSP
JEADF TWX 2 HR SUMMARY	TA, NSP
JEADF TWX-CIC 0006. ADDITIONAL INFORMATION TO CIC 0005	TA, NSP
JEADF TWX-CIC 0008. ADDITIONAL INFORMATION TO CIC 0005.	TA, NSP
JEADF TWX. DECLARATION OF RINGING BELL	TA, NSP
JEADF TWX-CIC 0007. ESF'S ALTERNATE HQ	TA, NSP
JEADF TWX 2 HR SUMMARY	TA, NSP
JEADF TWX. WEAPONS IMPACT EVALUATION	TA, NSP
JEADF TWX. 2 HRS SUMMARY NO CHANGE	NSP
JEADF TWX WEAPONS IMPACT EVALUATION	NSP
JEADF TWX. TACTICS BY AGGRESSOR ACFT	TA, NSP
JEADF TWX 2 HR SUMMARY	TA, NSP
JEADF TWX ESTIMATE OF THE SITUATION	TA, NSP
JEADF TWX 2 HRS SUMMARY, NO CHANGE	NSP
JEADF TWX-CIC 00015. CONAD ESTIMATE	NSP
JEADF TWX 2 HR SUMMARY	NSP
JEADF TWX 2 HR SUMMARY, NO CHANGE	NSP
JEADF TWX 2 HR SUMMARY NO CHANGE	NSP
JEADF TWX 2 HR SUMMARY	TA, NSP

SECRET

554059

0188

COPY

COPY

CPA WOOD CHUCK INTELLIGENCE NARRATIVE

SECRET

1. INTELLIGENCE ACTIVITIES CONNECTED WITH CPX WOOD CHUCK BEGAN 17 OCTOBER 1955 WITH THE REPORTING BY CINCONAD THAT COMMUNIST PARTY FUNCTIONAIRES IN THE EASTERN UNITED STATES HAVE BEEN HOLDING WEEKLY MEETINGS IN NEW YORK CITY.

2. THE INTELLIGENCE BUILD UP FOR THE EXERCISE CONTINUED WITH REPORTS OF GREATLY INCREASED MILITARY CONCENTRATION AND ACTIVITY BY SEAFRONLAND SATELLITE COUNTRIES. REPORT FURTHER STATED THAT DIPLOMATIC RELATIONS WITH SAFFRONLAND PERSONNEL AND UNITED STATES DIPLOMATIC PERSONNEL HAD BECOME STRAINED.

3. CINSAC REPORTED FUEL CONTAMINATION AS A POSSIBLE SABATOGUE ATTEMPT ON SAC BASES.

4. NAVAL SOURCES INDICATED MARKED REDUCTION IN NUMBER OF SUBMARINES AT SAFFRONLAND BASES WHILE CINCLANTFLT REPORTED SUBMARINE ACTIVITY IN THEIR AREA.

5. THE PRECEDING RESULTED IN CINCONAD DIRECTING CONDITION DOUBLE TAKE.

6. ON 18 OCTOBER - THE DAY OF THE AIR ATTACK - FIRST EARLY WARNING OF APPROACHING SAFFRONLAND STRIKE AIRCRAFT WAS GIVEN BY A B-47 CREW ON A TRAINING MISSION OVER ELLESMERE ISLAND. THEY SIGHTED MANY MULTI-JET AIRCRAFT HEADING SSW AT AN ESTIMATED SPEED OF 500 KNOTS.

7. FIRST PENETRATION OF THIS DIVISION RESULTED IN STRIKES AGAINST WESTOVER AIR FORCE BASE, LORING AIR FORCE BASE, BOSTON AND BUFFALO.

8. OF THE UNIT TACTICAL MESSAGES RECEIVED ON 18 OCTOBER, THE FOLLOWING ESSENTIAL ELEMENTS OF INFORMATION WERE EXTRACTED:

AIRCRAFT FORMATIONS:

1. THREE FLIGHTS OF FOUR AIRCRAFT BETWEEN 40,000 FEET AND 45,000 FEET.
2. TWO FLIGHTS OF UNDETERMINED NUMBER OF AIRCRAFT BETWEEN 40,000 FEET AND 45,000 FEET.

AIRCRAFT TYPES AND CONFIGURATIONS:

1. SWEEP-WING AIRCRAFT.
2. NUMBER FOUR AIRCRAFT IN ONE FLIGHT APPEARED TO HAVE A RADOME UNDER NOSE.
3. ONE FLIGHT APPEARED TO HAVE FOUR-ENGINE NACELLES SLUNG BENEATH WINGS.

SECRET

554059

0189

COPY

COPY

AIRCRAFT ARMAMENT:

SECRET

1. 20 MM CANNON.
2. 15 BURSTS PER MINUTE.
3. GUNS FIRED RAPIDLY AND SHOT LOOKED LIKE GOLF BALLS.

TACTICS:

1. TOOK ADVANTAGE OF WEATHER TO EFFECT OPERATIONAL DECEPTION.
2. CHAFF USED TO BREAK LOCK-ON.
3. VHF LOUD SQUEELING JAMMING - VERY EFFECTIVE.
4. AIRCRAFT BLACKED OUT.
5. AIRCRAFT CHANGED ALTITUDE AND COURSE UNDER INTERCEPT ATTACK.

COMMENTS AND RECOMMENDATIONS:

1. THE PILOT DEBRIEFS GIVEN TO DIVISION INTELLIGENCE PROVIDED GOOD TRAINING IN EXTRACTING ESSENTIAL ELEMENTS OF INFORMATION. RECOMMEND THAT SIMILAR CANNED DEBRIEFS BE UTILIZED AT SQUADRON LEVEL IN FUTURE EXERCISES.
2. COMMUNICATIONS LINES AND INTELLIGENCE PERSONNEL AUTHORIZATIONS ARE NOT ADEQUATE TO MEET EMERGENCY CONDITIONS. RECOMMEND COMMUNICATIONS LINES AS FOLLOWS:
 - A. DIRECT LINE FROM FIGHTER SQUADRONS TO AC&W SQUADRONS.
 - B. DIRECT LINE FROM DIVISION TO EACH WING AND FIGHTER SQUADRONRECOMMEND PERSONNEL AUTHORIZATIONS BE CHANGED TO AUTHORIZE AT LEAST THREE PERSONS PER SHIFT DURING EXERCISES AND EMERGENCIES.
3. HELLS BELLS MESSAGES INDICATE CREAM PUFF TYPE BURSTS WHILE CADW CIRCUIT MESSAGES REPORTED CUSTARD PIE TYPE BURSTS DURING ATTACK. SINCE TYPE OF BOMB EFFECTS FALL OUT, SEVERAL CONFLICTING REPORTS MAKE IT IMPOSSIBLE TO ACCURATELY PREDICT FALL OUT AREA. RECOMMEND THAT GREATER ACCURACY BE USED IN REPORTING TYPE BURST OBSERVED AND REPORTED.
4. WEAPONS IMPACT EVALUATION REPORTS EFFECT THE ABILITY TO DEFEND AN AREA. THE TIME DELAY IN WAITING FOR TAC RECONNAISSANCE REPORTS RESULTS IN A LACK OF TIMELY BOMB DAMAGE ASSESSMENT REQUIRED FOR IMMEDIATE DECISIONS. THEREFORE, IT IS RECOMMENDED THAT FIGHTER PILOTS ACCOMPLISH VISUAL RECONNAISSANCE AND THAT CIVIL DEFENSE REPORTING BE UTILIZED FOR IMMEDIATE BOMB DAMAGE ASSESSMENT.

SECRET

554059

0190

COPY

SECRET
OFS Log

COPY

1. BETWEEN THE HOURS OF 0935E AND 0420E, 18 OCTOBER, THIS DIVISION SUFFERED THREE MAJOR ACCIDENTS, ALL INVOLVING F8D AIRCRAFT AND RESULTING IN FATAL INJURIES TO FOUR AIRCREW PERSONNEL.

2. PRELIMINARY REPORTS REVEALED THAT TWO FACTORS WERE COMMON TO ALL THREE ACCIDENTS: PILOT REPORTED FIRE WARNING LIGHT ON LEFT ENGINE AND IN EACH CASE AIRCRAFT WAS RETURNING TO BASE.

3. IN THE ONE INSTANCE, WHEN AIRCRAFT WRECKAGE COULD BE INSPECTED, THE AFTERBURNER TURBINE PUMP WAS FOUND SHATTERED.

4. THIS SECTION CONTACTED TWO DIFFERENT F-8D SQUADRONS AND INDIRECTLY QUERIED THE NORTHROP TECH REP OR OTHER QUALIFIED MAINTENANCE PERSONNEL TO DETERMINE WHAT EFFECT, IF ANY, FAILURE OF THE AFTERBURNER TURBINE PUMP WOULD HAVE ON A J-35 ENGINE WHEN NOT IN A/B OPERATION. MAINTENANCE PERSONNEL AT PRESQUE ISLE STATED THAT IN THEIR OPINION, FAILURE OF THIS PUMP WOULD NOT CAUSE A FIRE IN THE ENGINE; NORTHROP TECH REP AT OTIS STATED THAT SHATTERING OR DISINTEGRATION OF THIS PUMP COULD CAUSE A CONSTANT FUEL LEAK WHICH COULD BE DRAWN FORWARD INTO THE COMPRESSOR SECTION; HOWEVER, THE ODDS WERE AGAINST IT.

5. THIS SECTION REASONED THAT INASMUCH AS THE AIRCRAFT IN ALL CASES WERE RETURNING TO BASE, PRESUMABLY NOT IN A/B, THAT HAD A FUEL LOSS OCCURRED FROM SHATTERING OF THE TURBINE PUMP A FIRE WOULD HAVE OCCURRED MUCH EARLIER. WHILE THE POSSIBILITY OF AN ENGINE FIRE OCCURRING FROM THE SOURCE MENTIONED ABOVE CANNOT BE OVERRULED, THE ODDS THAT THIS WOULD OCCUR IN THE LEFT ENGINE IN ALL THREE INSTANCES ARE AGAINST IT.

6. THIS HEADQUARTERS SENT A TWX TO THE 4707TH AND 4711TH AIR DEFENSE WINGS CITING THE THREE ACCIDENTS PRESUMABLY CAUSED, OR CONTRIBUTED TO, BY ILLUMINATION OF THE LEFT ENGINE FIRE WARNING LIGHT AND REQUIRING AN INSPECTION OF THE FIRE WARNING SYSTEMS AS SOON AS PRACTICABLE. INCLUDED IN THE MESSAGE WAS THE INFORMATION THAT THE AFTERBURNER TURBINE PUMP WAS FOUND SHATTERED IN ONE INSTANCE WHEN WRECKAGE COULD BE INSPECTED.

7. AN F-86D ASSIGNED TO THE 47TH FIS CRASHED IMMEDIATELY AFTER TAKE OFF, RESULTING IN FATAL INJURIES TO PILOT. FUEL CONTAMINATION WAS SUSPECTED AND SUBSEQUENTLY PROVED BY ANALYSIS. THE 4707TH WING INCREASED SECURITY MEASURES TO MAXIMUM

SECRET

554059

0191

C O P Y

SECRET

C O P Y

18 OCTOBER 1955

CSU Log

- 0805 ALERTED TO REPORT TO CONTROL CENTER
- 0838 BRIEFED BY COMMANDER, 32D AIR DIVISION (DEFENSE)
- 1530 CAPT BBROOKBANK CALLED WITH A PROBLEM. THERE WAS A "CREAM PUFF" ATOMIC BURST AT BUFFALO. THE FORECAST BY WEATHER THAT FALLOUT WOULD REACH THE WEST EDGE OF SYRACUSE. THE QUESTION WAS, "SHOULD THE NON ESSENTIAL TROOPS BE EVACUATED FROM THE SYRACUSE AREA"
- 1600 CAPT SHULTZ CONFERRED WITH MAJOR TONE OF WEATHER WITH REFERENCE TO RADIOLOGICAL FALLOUT. THE ANSWER GIVEN CAPT BROOKBANK BY CAPT SHULTZ AFTER COORDINATION WITH WEATHER, AIR INSTALLATIONS AND INTELLIGENCE, WAS THAT IT WAS NOT NECESSARY TO MOVE THE TROOPS. THE REASON FOR THIS IS OUTLINED AS FOLLOWS: DUE TO THE FACT THAT INTELLIGENCE REPORTED ONLY 200,000 CASUALTIES AT BUFFALO AND NOT COMPLETE DESTRUCTION OF THE CITY, PLUS, THE BOMB WAS A GROUND TYPE BURST. IT WAS ASSUMED THAT IT WAS EITHER A SMALLER CONVENTIONAL ATOMIC WEAPON OR A SMALLER HYDROGEN BOMB BECAUSE OF THE DESTROYED AREA. CONSEQUENTLY, THE RADIATION FALLOUT HAZARD AT APPROXIMATELY 150 MILES AWAY IS NEGLIGIBLE IN AMOUNT. FOR THE PURPOSE OF THE EXERCISE, IT IS KNOWN THAT AIR MATERIEL AREA, HEADQUARTERS, HAS RADIOLOGICAL MONITORING TEAMS THAT ARE AVAILABLE. THERE ARE ALSO OTHER LABORATORIES WITH SAME FACILITIES. THESE ARE OUTLINED IN AF MANUAL 160-5. IN CASE OF DIFFICULTIES WITH ACQUIRING A TEAM, THE SURGEON GENERAL, USAF, MAY BE CONTACTED.
- AGAIN FOR OPURPOSE /OF THE EXERCISE, LT LYNCH, INDUSTRIAL AND SANITARY ENGINEER FROM AIR MATERIEL COMMAND, GRIFFISS AIR FORCE BASE WAS ON BASE AT THIS TIME IN ACTUALITY AND STAED THEY HAVE THE NECESSARY EQUIPMENT AND PERSONNEL TO MONITOR INDIRECT CONTAMINATION AND IF EVER CALLED ON, WOULD DO SO. FOR PURPOSE OF THE EXERCISE, I ASSUMED THIS WAS CARRIED OUT BY GRIFFISS AND THAT THE AIR CONTAMINATION IN THE CLOUD WAS BELOW THE TOXIC LEVEL AND THAT PERSONNEL COULD ABSOLUTELY SAFELY REMAIN IN THE SYRACUSE AREA.
- 2230 MESSAGE FROM JEADF TO FORM A DISASTER MEDICAL TEAM AT 4707TH AIR DEFENSE WING OTIS AFB, MASS TO STANDBY IN CASE CALLED TO A DISASTER AREA. (SEE TWX No. 1) A MESSAGE WAS FORWARDED FOR COMPLIANCE TO 4707TH ADW (SEE TWX 2)
- 0400 REPLY TO MESSAGE THAT TEAM WAS FORMED AND STANDING BY. (SEE TWX No. 3) HOWEVER, TEAM WAS NOT UTILIZED THROUGHOUT THE EXERCISE.
- 1030 CPX DISCONTINUED.

COMMENTS:

SECRET

AS FAR AS THE PROBLEM INVOLVING THE MEDICS, IT WENT OFF RATHER SMOOTHLY WITH A FEW EXCEPTIONS. WE WERE NOT INFORMED CONSTANTLY OF

0192

COPY

SECRET
OPR COMMENTS

COPY

THE SITUATION, THEREFORE WERE UNABLE TO INFORM OUR SUBORDINATES. SECURING CERTAIN INFORMATION FROM DIFFERENT STAFF SECTIONS WITHIN THE DIVISION WAS NOT ENTIRELY SATISFACTORY.

1. THE OFFICE OF PLANS, ORGANIZATION AND REQUIREMENTS WAS MANNED BY ONE OFFICER AND AIRMAN DURING THE ENTIRE PERIOD OF THE EXERCISE.
2. THIS OFFICE WAS CALLED UPON TO FURNISH VARIOUS BITS OF SPECIFIC INFORMATION AS PERTAINS TO VARIOUS PLANS AND PROGRAMS.
3. IT WAS RECOMMENDED THAT ALL PRINCIPAL STAFF SECTIONS FAMILIARIZE THEMSELVES TO A GREATER DEGREE WITH THE PRESENT PLANS AND ESPECIALLY THOSE PERTAINING TO EMERGENCY WAR CAPABILITIES AND AUGMENTATION.

SECRET

554059

0193

C O P Y

SECRET
OFCD LOG

C O P Y

THE FOLLOWING DATA IS FURNISHED FROM THE FCDA LOG AND NOTED MADE DURING THE SUBJECT CPX:

0647Z OSCANYAN RECEIVED "COCKED PISTOL" FROM BASE TEL BPR
 0700Z CADW POSITION MANNED.
 0805Z DIVISION ON APPLEJACK. SIMULATED DISSEMINATION.
 0835Z FCDA LIAISON OFF EADF CALLED ON TAC LINE.
 0905Z SIMULATED MESSAGE RECD. ON CADW CIRCUIT RE LORING AFB SER 1
 HOULTON, ME
 0190Z SIMULATED MESSAGE RECD ON CADW CIRCUIT RE BURLINGTON SER 2
 PLATTSBURGH
 0914Z DELIVERED MSGS 1 AND 2 TO A2
 0916Z SIMULATED MSG RECD ON CADW RE BUFFALO SER #3 BUFFALO
 0918Z SIMULATED MSG RECD ON CADW RE WESTOVER SER 4 NORTHAMPTON
 0920Z DELIVERED MSGS 3 AND 4 TO A2
 0923Z SIMULATED MSG RECD ON CADW RE BOSTON SER #5 WORCESTER
 0924Z DELIVERED MSG #5 TO A2
 1010Z SIMULATED MSG RECD ON CASW RE ALBANY SER #6 UTICA 1012 DELD TO A2
 1148Z DIV ON LEMONJUICE SIMULATED DISSEMINATION ON CADW
 1332Z DIVISION ON SNOWMAN SIMULATED DISSEMINATION ON CADW
 1505Z SIMULATED MSG RECD ON CADW RE PRESQUE ISLE AFB SER 7 HOULTON
 1508Z DELIVERED MSG #7 TO A2
 1510Z DIVISION ON LEMONJUICE. SIMULATED DISSEMINATION ON CADW
 1513Z SIMULATED MSG RECD ON CADW RE MONTPELIER EVACUEES SER 8 MONT-
 PELIER
 1514Z DELIVERED #8 TO A2
 1527Z DIVISION ON SNOWMAN. SIMULATED DISSEMINATION ON CADW
 2208Z SIMULATED MSG RECEIVED ON CADW RE ALBANY SER 8A ALBANY

SECRET

554059

0194

COPY

SECRET

COPY

2213Z SIMULATED MSG RECD ON CADW RE BOSTON SER 8B BOSTON

2220Z DELIVERED MSGS 8A AND 8B TO A2

19 OCTOBER 1955

0245Z MSG TWX RJEPNB RECD FROM EADF

0250Z DELIVERED ABOVE TO MONTPELIER

0730Z COORDINATED ON MSG TO BASCOM ETHAN ALLEN AFB RE EVACUEES

0932Z DIVISION ON LEMONJUICE. SIMULATED DISSEMINATION ON CADW

1030Z CPX TERMINATED.

REMARKS:

1. SIMULATED MESSAGES RECEIVED WERE TOO LONG. WOULD HAVE TAKEN TOO LONG TO COPY. ALSO WOULD HAVE CLUTTERED UP CADW CIRCUIT WHICH MUST BE KEPT CLEAR FOR ALERTS.
2. OPS PLAN FAILED TO INDICATE WHAT DEGREE OF PARTICIPATION BY FCDA WAS ANTICIPATED OR REQUIRED.
3. SOP FROM JEADF NEEDED ON HANDLING OF INTELLIGENCE MESSAGES ON CADW.

SECRET

554053

0195

C O P Y

SECRET
CFM LOG

C O P Y

18 OCTOBER 1955

- 0807Z RECEIVED NOTIFICATION OF CFX WOODCHUCK.
- 0900Z ARRIVED AT HQ 32D AIR DIVISION.
- 1000Z SENT TWX TO HQ EADF REQUESTING ADVISE ON REQUEST OF SHERIFF OF AROOSTOOK COUNTY, MAINE FOR AIR POLICY AID IN SEGREGATING AND RELOCATING CIVILIANS BELIEVED TO HAVE PRO-SAFFRON SYMPATHIES.
- 1000Z RECEIVED TWX FROM HQ EADF WARNING OF INCREASED ACTIVITY BY SUBVERSIVE AGENTS.
- 1015Z SENT TWX TO BOTH WINGS (4707TH AND 4711TH) WARNING THEM TO BE ON ALERT FOR SUBVERSIVE AGENTS AND POSSIBLE SABOTAGE.
- 1030Z INTELLIGENCE COORDINATED MESSAGE RECEIVED FROM JEADF INFORMING US THAT KNOWN COMMUNISTS WERE OPENLY HOLDING MEETINGS IN HOUSE ON MADISON AVE., NEW YORK CITY.
- 1415Z INFO FROM 4707TH AD WING INFORMING US THAT LOCKPORT AND SARATOGA WERE WITHOUT POWER AND COMMUNICATIONS AND THAT THE ALBANY FILTER CENTER WAS INOPERATIVE. SENT TWX TO JEADF INFORMING THEM OF AFOREMENTIONED STATUS.
- 2015Z RECEIVED TWX FROM HQ EADF OF ADDITIONAL AC&W SQ WERE INOPERATIVE DUE TO POWER LINES BEING OUT. COORDINATION WITH ODO, INTELLIGENCE AND C&E.
- 2015Z RECEIVED TWX FROM JEADF ASKING IF OSI HAD BEEN REQUEST TO INVESTIGATE INSTANCES OF SABOTAGE.
- 2250Z SENT TWX TO BOTH WINGS DIRECTING AN INVESTIGATION BY OSI IN ALL CASES OF SABOTAGE AND SENT RESULTS OF SAME TO JEADF WITH INFO COPY TO US.
- 2250Z SENT TWX TO 4711TH IN REPLY TO THEIR REQUEST FOR ADVISE ON AIR POLICY AIDING CIVILIAN AUTHORITIES.
- 2250Z SENT TWX TO 4707TH IN REPLY TO THEIR REPORT OF SABOTAGE.
- 2300Z RECEIVED COPY OF TWX NOTIFYING 32D AIR DIV SUSPECTED SABOTAGE OF WATER SUPPLY AT PRESQUE ISLE, COORDINATED WITH MEDICS.
- 2330Z RECEIVED TWX FROM HQ JEADF INFORMING US OF MARTIAL LAW IN NEW YORK CITY AND VICINITY AND REQUESTING AID OF ALL AVAILABLE PERSONNEL. TRANSFERRED ACTION TO FDP.

SECRET

554059

0196

COPY

SECRET

COPY

2345Z RECEIVED TWX FROM JEADF NOTIFYING US OF SABOTAGE OF POL TANKS ETC, AT JEADF INSTALLATIONS.

2400Z SENT TWX TO BOTH WINGS ORDERING SABOTAGE ALERT FOR ANY OF THOSE NOT IMPLEMENTING SAME.

19 OCTOBER 1955

0535Z RECEIVED INFORMATION COPY OF TWX TO HQ JEADF FROM HQ EADF QUOTE "DESIRE OSI BE INFORMED OF POSSIBLE SABOTAGE. REQUEST THEY INVESTIGATE" UNQUOTE.

0535Z RECEIVED TWX FROM HQ JEADF STATING THAT INFORMATION FROM 327 F.G. (AD) INDICATES THAT MALFUNCTION OF 8 B6D AIRCRAFT ATTRIBUTED TO FOREIGN OBJECTS FOUND IN ENGINES. SABOTAGE INDICATED AND ALL INSTALLATIONS ARE ALERTED TO TAKE NECESSARY ACTION TO SAFEGUARD AIRCRAFT. COPY OF MESSAGE SENT TO MDM AND ODO. MESSAGE SENT TO ALL GROUPS WARNING THEM OF POSSIBLE SABOTAGE WAS PREPARED BUT IN ERROR AND NOT SENT OUT.

0800Z RECEIVED TWX FROM HQ 4707TH ADM STATING THAT OSI INVESTIGATION AT OTIS INTO FUEL CONTAMINATION REVEALED THAT CONDITION CAUSED BY TWO AIRMEN WHO HAD BEEN PLACED IN CUSTODY. INVESTIGATION OF FUEL CONTAMINATION AT NIAGARA REVEALED THAT POOLING OF USAF, ANG AND AF RESERVE REFUELING EQUIPMENT RESULTED IN POOR FUEL HANDLING PROCEDURES. INFORMATION COORDINATED WITH MDM AND ODO.

RECOMMENDATIONS:

1. THAT BASES SHOULD BE INVOKING THE SABOTAGE ALERT PLAN AT THE TIME THE BASE DEFENSE PLAN IS PUT INTO EFFECT AND NOT WAIT UNTIL SUBVERSIVE ACTS ARE DISCOVERED OR UNTIL THEY ARE INSTRUCTED TO DO SO.

SECRET

554059

0197

COPY

SECRET
US LOG

COPY

1. ACCREDITATION, BY LOCALLY ISSUED ID CARDS FOR NEWS MEDIA WERE SIMULATED. LOCAL NEWS MEDIA IN HOOK UP WITH NATIONAL NEWS SERVICES WOULD ELIMINATE NECESSITY FOR ACCREDITATION OF OTHER THAN LOCAL NEWS MEDIA.

2. THE FORWARDING OF TWX EADIS W-7 TO 4707TH AND 4711TH AD WGS WAS NOT ACCOMPLISHED DUE TO COMPLETION OF EXERCISE PRIOR TO SUBMISSION TO MESSAGE CENTER.

SECRET

554059

0198

COPY

SECRET
FFC Log

COPY

At 0315 A CALL WAS RECEIVED FROM EADF STATISTICAL SERVICES (T/Sgt HITLAN), INQUIRING AS THE STATUS OF THE RCS; AF-V4 DAILY COMBAT OPERATIONS REPORT. SGT HITLAN STATED THAT A CPX WOODCHUCK MESSAGE WAS SENT FROM THEIR HEADQUARTERS AT 0900, 18 OCT 55 IMPLEMENTING THE REPORT. HE DID NOT HAVE A CITE NUMBER. MESSAGE CENTER COULD NOT LOCATE THE MESSAGE, NOR COULD THE OEX UMPIRE. REPORT WAS FORWARDED BY MESSAGE AGFFFC 1013, AT APPROXIMATELY 0400. A PREVIOUS CALL WAS MADE TO EADF STAT AT APPROXIMATELY 00:30 TO DETERMINE IF RCS: AF-V4 WAS TO BE IMPLEMENTED. THE CALL WAS UNSUCCESSFUL AS NO ONE COULD BE LOCATED OTHER THAN THE GUARD.

SECRET

554059

0199

COPY

SECRET
AIO LOG

COPY

THE FOLLOWING ACTIONS WERE SIMULATED BY AIR INSTALLATIONS, SYRACUSE AIR FORCE STATION ON RECEIPT OF NOTIFICATION OF PROBABLY RADIOACTIVE "FALL OUT" AND AFTER ACTUAL RADIOACTIVE "FALL OUT".

1. WHEN NOTIFIED BY THE ADJUTANT, HEADQUARTERS SQUADRON SECTION AT 0900 18 OCTOBER 1955 OF PROBABLE RADIOACTIVE "FALL OUT". AIO TOOK IMMEDIATE ACTION TO REINSERT GAS FILTERS AND PULL FRESH AIR THROUGH THE FILTERS RATHER THAN THROUGH THE UNFILTERED PARTS IN BUILDING Nr. 3 (BLOCK HOUSE).

2. THE SHOWERS IN BUILDING Nr. 3 (BLOCK HOUSE) WERE MADE READY FOR DE-CONTAMINATION IMMEDIATELY AFTER NOTIFICATION OF PROBABLE RADIOACTIVE "FALL OUT".

3. AFTER RADIOACTIVE "FALL OUT", BUILDING Nr. 3 (BLOCK HOUSE), DIESEL BUILDING, RECEIVER BUILDING AND TRANSMITTER BUILDING WERE HOSED DOWN WITH WATER. OTHER BUILDINGS WERE ALSO HOSED DOWN WITH WATER WHEN NECESSARY AS DETERMINED BY THE MEDICAL SECTION.

4. THE ABOVE ACTIONS WERE TAKEN IN COOPERATION WITH THE MEDICAL SECTION.

SECRET

554059

0200

COPY

COPY

SECRET
AAA REPORT

1. TACTICAL ACTION AND STATUS OF AAA UNITS WAS "CANNED" AND HANDLED ENTIRELY BY THE ADOC. HQ 1ST AA REGIONAL COMMAND, FORT TOTTEN, NEW YORK WAS THE ONLY PARTICIPATING AAA AGENCY.

2. A TOTAL OF 4 TELETYPE MESSAGES RELATING TO AAA UNITS WERE RECEIVED FROM COMDR JEADF. SOLUTIONS WERE TRANSMITTED TO THIS HEADQUARTERS OVER TACTICAL TELEPHONE LINE FROM HQ 1ST AA REGIONAL COMMAND WHICH RESULTED IN FREQUENT DELAYS OF OVRR ONE HOURS DURATION. A DIRECT LINE FROM THIS HQ TO HQ 1ST AA REGIONAL COMMAND IS AVAILABLE ONLY DURING ACTUAL COMBAT ALERTS. UPON RECEIPT OF SOLUTIONS A TELETYPE MESSAGE WAS TRANSMITTED TO COMDR JEADF. IN ADDITION^{AL} SOLUTIONS WERE TELEPHONED OVER TACTICAL LINE TO OFFICE OF ARMY DEPUTY, JEADF. DURING THE FIRST HOURS OF CPX A LONG DELAY WAS ENCOUNTERED IN PROCESSING TELETYPE MESSAGES DUE TO A LACK OF SUFFICIENT TYPIST PERSONNEL.

3. FROM MY OBSERVATIONS IT WAS APPARENT THAT THE HEADQUARTERS 1ST AA REGIONAL COMMAND PLAYED THE CPX IN A DILIGENT AND INTERESTED MANNER. IT WOULD BE DESIRABLE TO INCLUDE AAA GROUP HEADQUARTERS IN FUTURE EXERCISES SINCE MOST PROBLEMS WOULD BE ENCOUNTERED AT THAT LEVEL. FURTHER, DIRECT LINES TO SUCH UNITS ARE AVAILABLE AT THIS HEADQUARTERS.

4. SINCE MY STATUS IS PRIMARILY LIAISON, I BELIEVE ALL ASPECTS OF THE EXERCISE SHOULD BE KNOWN TO ME BEFOREHAND. IT WOULD BE BENEFICIAL TO ATTEND PRE-CPX BRIEFINGS AND BE ACQUAINTED WITH ALL AAA PROBLEMS PERTAINING TO THE UNITS. IN THIS MANNER I COULD INTELLIGENTLY MONITOR EACH SITUATION.

5. THIS CPX AGAIN PROVED THE NECESSITY FOR ASSIGNMENT OF AN ASSISTANT TO THE AAA REPRESENTATIVE. THERE WAS NO RELIEF AVAILABLE AND DURING THE TIME I WAS ABSENT MY POSITION BOTH AT THE ADOC AND GOC WAS NOT MANNED. THIS FACTOR BECOMES QUITE IMPORTANT DURING ANY EXERCISE WHICH EXTENDS BEYOND 24 HOURS AND ESPECIALLY SHOULD THE DIVISION COMMANDER REQUIRE ASSISTANCE IN AAA PROBLEMS.

SECRET

554059

0201

C O P Y

SECRET
NAVY LOG

C O P Y

1. THE FOLLOWING IS A RECORD OF SIMULATED ACTION TAKEN WITH RESPECT TO NAVY FORCES DURING THE SUBJECT EXERCISE AND A DISCUSSION OF SOME OF THE PROBLEM AREAS WHICH WERE REVEALED BY THIS EXERCISE.

- 0735Z NAVY DEPUTY NOTIFIED THAT EXERCISE WOODCHUCK HAD COMMENCED AND THAT AUGMENTATION FORCES HAD BEEN REQUESTED.
- 0820Z NOTIFIED OF SIMULATED RED ALERT. SIMULATED REQUESTS FOR FIGHTER AIRCRAFT WERE MADE TO NAVY UNITS AT NIAGARA AND SOUTH WEYMOUTH VIA THE AC&W SQUADRONS.
- 0900Z 4 F9F-6 AIRCRAFT FROM SOUTH WEYMOUTH PLACED ON 1 HOUR STANDBY FOR DAY VFR INTERCEPTS AND 4 F2H-2 AIRCRAFT FROM NIAGARA PLACED ON 1 HOUR STANDBY FOR DAY VFR INTERCEPT.
- 0902Z NOTIFIED BUFFALO BOMBED
- 0906Z NOTIFIED BOSTON BOMBED
- 0925Z SOUTH WEYMOUTH ESTIMATED TO BE IN THE FALL OUT AREA. DIVISION COMMANDER RECOMMENDED REDEPLOYMENT OF ALL AVAILABLE WEYMOUTH AIRCRAFT. 4 AIRCRAFT WERE REDEPLOYED TO NAS, BRUNSWICK, MAINE.
- 0940Z JEADF NOTIFIED OF REDEPLOYMENT
- 1030Z NAVY NIAGARA STATUS INCREASED TO 8 F2H-2 AIRCRAFT.
- 1050Z PICKET VESSEL STATION #2 NOTIFIED THAT IT WOULD BE IN THE PREDICTED FALL OUT AREA.
- 1215Z RECEIVED MESSAGE CONCERNING STATUS OF NAVAL AA IN BOSTON AREA.
- 1330Z TWX ORIGINATED GIVING SIMULATED NAVY AA STATUS IN BOSTON.
- 1605Z RECEIVED MESSAGE FROM "OCEANIC" REGARDING AVAILABILITY OF 3 DESTROYERS FOR AA DEFENSE OF HARBOR AREAS.
- 1845Z NOTIFIED THAT EASTERN SEA FRONTIER WAS MOVING TO ALTERNATE HEADQUARTERS.
- 19/1030Z CPX WOODCHUCK TERMINATED.

SECRET

554052

0202

COPY

COPY

COMMENTS:

SECRET

A. REDEPLOYMENT - DURING ALL OF THESE EXERCISES WHICH SIMULATE THE USE OF NUCLEAR WEAPONS AGAINST TARGET CITIES IT HAS BEEN STANDARD POLICY TO REDEPLOY AS SOON AS POSSIBLE, FIGHTER AIRCRAFT WHICH ARE STILL OPERATIONAL SO AS NOT TO LOSE THEIR INTERCEPT CAPABILITY AS A RESULT OF RADIO ACTIVE FALL-OUT. THIS IS DONE AT THE DIRECTION OF THE DIVISION COMMANDER MINUTES AFTER RECEIVING NOTIFICATION OF BOMB DAMAGE IN THE VICINITY OF FIGHTER BASES AND A PREDICTION HAS BEEN MADE OF THE DIRECTION OF FALL-OUT TIME BEING OF THE ESSENCE. ANARESTRA Op PLAN 1-54 SPECIFIES THAT NAVAL AIRCRAFT WILL NOT NORMALLY BE REDEPLOYED WITHOUT THE PRIOR CONCURRENCE OF COMMANDER EASTERN SEA FRONTIER AND THAT IN THE EVENT OF REDEPLOYMENT, NAVAL AIRCRAFT WILL BE REDEPLOYED TO NAVAL AIR BASES TO THE EXTENT PRACTICABLE. IT SHOULD BE NOTED HERE THAT IT MAY BE NECESSARY TO MOVE NAVAL AIRCRAFT OUT OF A PREDICTED FALL-OUT AREA ON A MOMENT'S NOTICE IN ORDER TO PRESERVE THEIR AIR DEFENSE POTENTIAL. THE DELAY WHICH COULD BE INVOLVED IN OBTAINING REDEPLOYMENT AUTHORIZATION FROM EASTERN SEA FRONTIER MAY NOT BE ACCEPTABLE UNDER THESE CONDITIONS AND FURTHER, IT MAY BE THE DESIRE OF THE DIVISION COMMANDER TO CONCENTRATE AVAILABLE FIGHTER AIRCRAFT IN AN AREA WHICH HAS NO NAVAL AIR BASE. IT IS REALIZED THAT IN A TRUE EMERGENCY MANY OF THE RESTRICTIONS IMPOSED BY EXISTING REGULATIONS WILL OF NECESSITY HAVE TO GO BY THE BOARD. IT IS RECOMMENDED HOWEVER, THAT SOME CONSIDERATION BE GIVEN TO THE FOREGOING SITUATION AND THAT NAVY FORCES BE MADE AWARE OF THE POSSIBILITY OF THESE EMERGENCY REDEPLOYMENTS WITHOUT PRIOR APPROVAL.

DURING THIS EXERCISE A DECISION WAS MADE TO EVACUATE ALL NON-ESSENTIAL PERSONNEL FROM AN AIR FORCE BASE WHICH WAS IN A PREDICTED FALL-OUT AREA. HOWEVER, PERSONNEL NECESSARY TO MAINTAIN THE OPERATIONAL CAPABILITY OF THE BASE WERE ORDERED TO STAND FAST. DOES THE DIVISION COMMANDER HAVE THE AUTHORITY TO ORDER A SIMILAR EVACUATION FOR A NAVAL BASE WHOSE FIGHTER AIRCRAFT HAVE BEEN COMMITTED TO HIS OPERATIONAL CONTROL?

B. PICKET VESSELS - INFORMATION IS REQUESTED CONCERNING WHAT ACTION PICKET VESSELS ON STATION WOULD TAKE IN THE EVENT THAT THEY ARE IN A PREDICTED FALL-OUT AREA AND WHETHER THEY COULD BE EXPECTED TO REMAIN OPERATIONAL.

C. SEVERAL MESSAGES WERE RECEIVED DURING THE EXERCISE AND SIMULATED AS BEING PASSED FROM "OCEANIC" RADIO. THESE MESSAGES WERE CONFUSING SINCE THE ORIGINATOR WAS NOT SPECIFIED NOR WERE ADDRESSEES INDICATED. IT IS ASSUMED THAT "OCEANIC" RADIO WAS ACTING AS A RADIO RELAY FOR SOME UNIT WHICH HAD LOST LANDLINE COMMUNICATIONS. ACTION CONCERNING THESE MESSAGES COULD NOT BE TAKEN BECAUSE OF THE INCOMPLETENESS OF THE INFORMATION. IT IS RECOMMENDED THAT IF "OCEANIC" RADIO IS TO BE USED IN FUTURE EXERCISES OR IN ACTUAL EMERGENCIES COMPLETE MESSAGES BE RELAYED SO THAT APPROPRIATE ACTION MAY BE TAKEN.

SECRET

554059

0203

C O P Y

SECRET
OCD Log

C O P Y

- 0745Z RECEIVED CALL INITIATING "COCKED PISTOL"
- 0859Z PROBLEM #1419 RECEIVED.
ACTION TAKEN; SIMULATED CALLING ALBANY FILTER CENTER AT 0905Z. INFORMED FILTER CENTER TO TOLL GOC POSTS THAT WHERE OPS FOR 15 MILES RADIUS TO DETERMINE IF THEIR SITING IS ACTUAL AIRCRAFT OR NOT. INFORMED AISS OF CONDITION OF PROBLEM #1419.
- 0905Z PROBLEM #1401A RECEIVED.
ACTION TAKEN: AT 0915Z SYRACUSE FILTER CENTER WAS INFORMED OF CONDITION AT BUFFALO AND INSTRUCTED TO BE RADY TO TAKE BUFFALO FILTER CENTER CALLS. CALLED MR. NORTHRUP AT SYRACUSE AT&T COMPANY; INFORMED HIM OF CONDITION AND TOLD HIM TO START "SPIT FIRE" OPERATION. AT 0917Z OCE WAS INFORMED OF CONDITION EXISTING AT BUFFALO FILTER CENTER.
- 0913Z PROBLEM #1405 RECEIVED.
ACTION TAKEN: CONTACTED ALBANY FILTER CENTER. REQUESTED THAT THEY TRY AND CONTACT WHITE PLAINS FILTER CENTER TO SEE IF THEY ARE OPERATIVE OR WHAT IS THE TROUBLE.
- 0922Z TRIED TO CALL 26TH AIR DIVISION TO INFORM THEM OF WHITE PLAINS FILTER CENTER TROUBLE. THIS CALL COULD NOT BE COMPLETED.
- 0925Z INTRODUCED PROBLEM #1401B INTO SYSTEM.
- 0929Z INTRODUCED PROBLEM #1404B INTO SYSTEM.
- 1010Z RECEIVED PROBLEM #1412A.
ACTION TAKEN: AT 1015Z ALBANY FILTER CENTER WAS CONTACTED VIA HOT LINE TO DETERMINE CAUSE OF TROUBLE.
- 1025Z RECEIVED MESSAGE #CD1415. THIS MESSAGE WAS NOT PROCESSED OUT OF OCD OFFICE AS MANCHESTER FILTER CENTER DOES NOT HAVE A LINE TO SARATOGA SPRINGS AC&W SQUADRON.
- 1047Z RECEIVED PROBLEM #1412B.
ACTION TAKEN: AT 1050Z C&W WAS INFORMED OF THIS MESSAGE. MANCHESTER FILTER CENTER WAS CONTACTED AND INFORMED TO TAKE CALLS COMING FROM ALBANY FILTER CENTER. MANCHESTER FILTER CENTER WAS ADVISED TO CONTACT AT&T COMPANY AT MANCHESTER AND BOSTON. AT&T COMPANY AT ALBANY WAS CONTACTED AND INFORMED OF THE CONDITION AND INSTRUCTED TO USE "SPIT FIRE" AND SEND CALL TO MANCHESTER FILTER CENTER.

SECRET

554059

0204

COPY

SECRET

COPY

1510Z PASSED STATUS OF FILTER CENTES TO EIAAF VIA HOT LINE.

0725Z ANSWERED MESSAGE EAQCD 48.

1050Z MISSION COMPLETED.

COMMENTS AND RECOMMENDATIONS:

1. REQUEST THAT WHEN A PROBLEM IS INTRODUCED INTO THE SYSTEM AND ACTION HAS BEEN TAKEN BY THE AGENCY INVOLVED, THAT SOME ACTION BE RETURNED INTO THE SYSTEM TO SHOW THAT THE INFORMATION WAS RECEIVED AND PROCESSED.

2. INFORMATION SHOULD BE FURNISHED AT THE COMPLETION OF THE MISSION TO DETERMINE WHETHER THE ACTION TAKEN WAS THE INTENDED SOLUTION OR IF INADEQUACIES WERE NOTED THAT COULD AT THIS TIME BE STUDIED AND RESOLVED.

SECRET

554059

0205

C O P Y

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
Syracuse Air Force Station
Syracuse 6, New York

OOT-A

1 Aug 1955

SUBJECT: Report of Participation in "CPX Fire Cracker"

TO: Commander
Eastern Air Defense Force
Stewart Air Force Base
Newburgh, New York

1. In accordance with EADF Operations Order 33-55, the following report is submitted:

a. Commentaries of problems originally planned for action by this division can be found in the Problem Analysis for each problem as enclosures to this report. This summary will reference the reader to appropriate enclosures.

b. A briefing of a representative of each section was conducted 5 July 1955 to insure understanding of the purpose of the CPX. Procedures were established whereby outgoing messages were coordinated in the normal manner except that the "CPX representative" was included in the coordination copy of the message. This action was taken to insure that the "CPX Representative" was informed of all action taken.

c. Pre-planned tracks were introduced into the system by the "CPX representative" at 13/0012Z. At 0023Z, this Division declared "Cocked Pistol" and action to alert the battle staff was initiated.

d. Problem #1. (Cirvis) Summary of action taken is contained in enclosure.

e. Problem #501. (Unit refusal to participate) No action required by this division.

f. Problem #201. (Material reserves IAW COMAD OPLAN 4-55) Action agency is EANDW.

g. Problem #102. (Loss of communications with 76th ADWGN) Summary of action taken is contained in enclosure.

h. Problem #20, H, I. (Downed enemy aircraft) Summary of action taken is contained in enclosure.

i. Problem #14, B, C, D, F, H. (Report of attacks) Summary of action taken is contained in enclosure.

55-3049

0206

C O P Y

Hq 32D AD(D) OOT-A Subject: Report of Participation in "CPX Fire Cracker"
(Cont'd)

- j. Problem #40. (Enemy Tactics) Summary of action taken is contained in enclosure.
- k. Problem #904. (landline outage with the 764th ACWREN) Summary of action taken is contained in enclosure.
- l. Problem #601. (Sabotage at 656th ACWREN) Summary of action taken is contained in enclosure.
- m. Problem #905. ("Rocket" message) Summary of action taken is contained in enclosure.
- n. Problem #702. (United Press query) This pre-planned problem was introduced by the committee for initial action by EADF. EADF's answer was received and disseminated to the wings.
- o. Problem #802b. (loss of Bangor Filter Center) Summary of action taken is contained in enclosure.
- p. Problem #806. (Buffalo Filter Center) Summary of action taken is contained in enclosure.
- q. Problem #401A (F-86D Afterburner) Summary of action taken is contained in enclosure.
- r. Problem #505A&B. (Civilian labor cooperation difficulty) This pre-planned problem was introduced into the exercise for action by the EADF Staff Judge Advocate.
- s. Problem #507. (Canadian-North Atlantic Treaty) This pre-planned problem was introduced by the 32d AD for action by the EADF Staff Judge Advocate.
- t. Problem - (Fall-out) The Division staff was aware that the 762d ACWREN at N. Truro was in a fall-out area as a result of the bombing of Boston. To make the problem more realistic, the Empire at the 4707th ADW was contacted and requested to insert the status of the 762nd. In addition to N. Truro being in the fall-out area, sabotage had occurred at the site. An AEWSC, ED-121, was ordered to cover the 762d ACWREN area, reporting to the 654th ACWREN at Brunswick, Me. Any scramble action required from this AFB would have to be initiated through the 4707th ADW. EADF was advised of the N. Truro incident.
- u. Problem. (Daily Combat Operations Report) At approximately 13/0233Z a message was received by this division implementing EASA Daily Combat Operations Report 023: AFG-VL. This message was forwarded to the

55-3049

0207

C O P Y

Hq 32D AD(D) OOT-A Subject: Report of Participation in "CPX Fire Cracker"
(Cont'd)

4707th and 4711th ADW. Neither the Wings nor this Division were able to locate the reporting directive, although an exhaustive search was conducted of OOT, PO&R, ADJ, and FFC files. Instructions were later received by telephone from EADF. Upon receiving the directive establishing RCS: ADF-V4 it was noted that the instructions were interim instructions dated a year and a half ago, 29 Jan 1954. It might be possible that the original directive was either retired or destroyed due to its nature. EADFM 174-1 makes provision for the report, however, EADF letter 175-1 establishes the report as an EASA requirement.

2. Comments and Recommendations.

a. Director of C&E. Because of the large interest of C&E personnel in an exercise of this nature, it is recommended that a C&E staff officer be included as an umpire.

b. Director of Personnel. Although not encountered in the CPX one major problem was cause for concern. If an ALCCP had arisen, Personnel would have been unable to fulfill its responsibilities inasmuch as Headquarters EADF had not stated sufficient statistical information to this headquarters to enable any evaluation of personnel problems EADF wide.

c. Director of Intelligence. Intelligence expresses the opinion that the exercise was well planned, with the problems resulting from bomb damage providing excellent training.

d. Director of Operations & Training. In the ADCC, one major problem presented itself. ADCR 55-29, paragraph 4(f)1c, gives a definite sequence for reporting early warning information and recording it. In attempting to receive and forward early warning information, it is apparent that adjacent sectors do not follow the published sequence.

e. CPX Umpires

- (1) A difficulty was encountered by the umpires after the exercise in attempting to identify TWX's with problem. It is recommended that a procedure be established whereby messages exchanged between headquarters can be readily identified with a specific problem. A possible solution would be to have the problem number contained in the message number.
- (2) It is recommended that approximately 24 hours after an initial attack, that another attack be introduced into the system.

55-3049

0208

C O P Y

Hq 32D AD(D) OOT-A Subject: Report of Participation in "CPX Fire Cracker"
(Cont'd)

f. A summary of comments from the staff has noted that the exercise was very beneficial in familiarizing the staff with problems which may be encountered after an attack with nuclear weapons. However, it is recommended that exercises of this type be scheduled to occur over a weekend, so that staff actions necessary will not conflict with normal staff functions.

FOR THE COMMANDER:

2 Incls:

1. Journal of "CPX Fire Cracker"
2. CPX Problems

s/ Everitt W. Howe
t/ EVERITT W. HOWE
Major, USAF
Adjutant

55-3049

0209

C O P Y

JOURNAL OF "CPX FIRE CRACKER"

<u>J.E.</u>	<u>DTG (Z)</u>	<u>MESSAGE & ACTION TAKEN</u>	page 1
1	12/1845	Rec'd CIC 0001 from EADF. (Cirvis report)	
2	1935	D/I advises he disseminated Cirvis report to Wings by TP and simulated TWX to Defense Groups, AC&W Squadron and FIS.	
3	2055	Rec'd CIC 0002 from EADF (ref Problem #1)	
4.	2105	D/I advises he disseminated CIC 0002 to Wings and simulated dissemination to lower units.	
5	2110	Ref entry 2 and 4. D/I advises that Commander and staff be briefed.	
6	13/0012	CPX tracks introduced into the system.	
7	0023	32d on "Cocked Pistol". Wings and EADF notified	
8	0029	GOC Duty Officer request Augmentation forces	
9	0035	32d Battle Staff alerted	
10	0040	32d Base Defense Plan implemented (simulated)	
11	0040	Filter Centers notified of CPX (simulated)	
12	0043	32d on "Apple Jack". All notified. Simulated to Groups and Squadrons.	
13	0040	Delivered problem 2g,h,i, to D/I	
14	0048	CONELRAD AND SCATER implemented (simulated)	
15	0058	EADF on "Apple Jack".	
16	0100	All Communication to F-80 inoperative	
17	0103	HF to F-80 inoperative	
18	0103	Wings fully warned	

55-3049

0210

C O P Y

page 2

19 0110 AEW aircraft requested for P-80 area.

20 0118 Bangor bombed. All aircraft demolished.

21 0119 Boston, Limestone, Portsmouth, Westover and Buffalo attacked. All 49th FIS aircraft
airborne told to recover at Grenier. All 60th FIS aircraft told to recover at BAF.

22 0130 P-21 stated no damage to site due to bombing of Buffalo.

23 0131 Limestone and P-80 demolished. Presque Isle in danger of contamination.

24 0142 Redeployment Presque Isle. 318th FIS to BTW. 82d to Rome.

25 0143 Landlines to P-14 inoperative. Mars and HF operational. C&E advised and taking action.

26 0154 GOC on 24 hour alert per EADF. GOC notified (simulated)

27 0155 C&E directed the 4711th Wing to establish messenger service between Presque Isle and P-80.

28 0206 Informed that P-50 operations building was destroyed by rockets fired from truck.
Saboteurs escaped. TPS IC placed into operation immediately.

29 0230 47th FIS ordered to return to GFS from Yuma.

30 0230 Radars at Verona and Electronics Park called into standby status. Simulated coordination
for wire circuits to tie G.E. Park and Verona into 655th and 656th ACWRENS. EADF advised.

31 0230 All AAA sites on 5 minute. EADF informed.

32 0230 762d ACWREN contaminated by fallout from Boston 'Gustard Pie'. Personnel deployed to Otis.

33 0234 From C&E - Minimize simulated IAW ADCR 100-18. APO 2604 called to full period talk between
P-65 and P-80.

34 0235 From GOC Simulated - Notified Manchester FC to take over all calls from Bangor FC, also
notified Mr. Somes office-military coordinator at Boston to notify Central offices of
"Spitfire", denoting to transfer calls to Manchester FC. Notified Syracuse Filter Center
to take all calls from Buffalo FC. Notified Mr. Northrup at Syracuse, also Mr. Lopez at NYC.

55-3049

0211

C O P Y

35 0246 From C&E Simulate patch of AFC 2604 to AFC 2817 to Syracuse for telling.

36 0247 Received call from EADF that initial attack phase over at 0240Z.

37 0250 32d on "Lemon Juice" ---- "Snow Man".

38 0255 All advised of 32d "Snow Man".

39 0255 32d request 4 C-47s of EADF to airlift support personnel from PQI to RME and BTV
32d request 4 C-47s of EADF to airlift 45,000 lbs and 45 airmen from PQI to RME and BTV
32d requested airlift support from EADF for return of 47th FIS from Yuma to GFS

40 0300 Message from EADF requesting type and quantity of ground radar equipment required to replace
lost or damaged equipment at out stations. Advised that provisions of AFR 100-46 are waived.
All possible sources are at our disposal.

41 0326 Ref Problem #905. ROCKET message rec'd at 0318Z. Delivered to Col Israel at 0340Z.

42 0403 Senior Controller advised that runways at Otis can be used with caution.

43 0404 PIO answer to UP inquiry - negative information available.

44 0410 From Fighter Ops (32d) 47th will return from Yuma within 3 hours.

45 0415 Advised that ABMC at P-80 covering area. N. Truro utilizing Cape-Cod system.

46 0445 EADF advises extra security precautions.

47 0500 All augmentation forces outlined in Ops Plan 4-55 available per EADF.

48 0520 Aircraft status as follows 25% on 5 min, 25% on 15 min, 50% on 1 hour.

49 0730 From EADF - Implement EADF Emergency War Mobilization Plan 55-1. PO&R advised.

50 0735 Augmentation forces brought up to status.

51 0827 CONAD implemented ANNEX B to OPS ORDER 4-55 per EADF.

55-3049

0212

C O P Y

page 4

52 0855 32d implemented EADF EWMP 55-1.

53 0910 32d implemented CONAD OPS PLAN 4-55, ANNEX A&G.

54 1010 47th FIS now back at home station, GFS.

55 1045 EADF Z-1 sent re: PQI, CEF and DOW.

56 1317 Rec'd EAMAC-AEM13 grounds F86D except active air defense until inspection.

57 1340 4711th evacuated PQI. 4711th in place at BTW. 318th in place at BTW. 82d at RME.

58 1414 32d advises that all leaves and passes be cancelled.

59 1537 32d called EADF to request 3 AEW&C to stand-by Otis to cover P-80 subsector.

60 1558 3 AEW&C available for CPI.

61 1720 Buffalo FC telephone circuits 75% restored. Syracuse FC handling some Buffalo Flash calls.

62 1738 From DM 32d TWX to 517th Group to increase POL and AEW&C levels (simulated)

63 1904 Re-deployment 8 F89d from W&B to BTW reason, logistics.

64 2130 Problem #507 sent to EADF.

65 2135 Buffalo FC telephone service completely restored as of 2100Z.

66 2400 From EADF. Advises 90 day delay in completion of equipment installation is excessive. Requests interim lash-up equipment to provide GCI capabilities.

67 14/0200 From EADF. Grants authority to survey cities within area of each filter center destroyed. for purpose of finding new facilities.

68 0230 Landlines to F-14 restored.

69 0230 All base functions at Otis are normal.

70 0230 GOC called 4707th Wing requesting more information about F-10.

55-3049

0213

C O P Y

71 0315 From 4707th regarding P-10 status: Security guards overcome and base sabotaged, four casualties, Diesel, Tower and Operations building destroyed. Transmitter and receiver and all C&E equipment damaged beyond repair. South Truro in similar condition (Cape Cod System RC-121 covering P-10 area reporting to P-13. Scrambles of Otis to be made through 4707th. All P-10 personnel at Otis and 2 ADDC crews immediately available. 2 ADDC crews on 6 hour notice. Request disposition of these crews people.

72 0320 Verified RC-121 coverage of P-80 area. OK per 4711th.

73 0400 4 F86D from 60th FIS at FOS deployed to Brunswick NAS. EADF ordering deployment.

74 0415 26th AD sending 1 AHW from PAX to orbit P-10 area. ETA 0530.

75 0428 C&E request of New England Telephone Co. and emergency scramble circuit between P-13 and Otis.

76 0540 EADF notified by 32d AD that alternate command post will be at P-14 due to sabotage at P-50

77 0630 60th FIS has 4 F86D enroute from Suffolk to Brunswick, ETA 0700Z.

78 0640 32d alternate command post to remain at P-50. Destruction of base operations building did not effect communications as they are in a separate building.

79 0644 32d sent message to EADF amending our requirements for P-50 to indicate 5 PFI scopes. 2 M-19 or 1 M-19 and 1 M-28.

80 0835 OCB request state CD (thru coordinators) to warn us if any bases in danger of fall out.

81 0950 60th has 4 F86D at Brunswick.

82 1320 Called Capt Deans (4711th umpire) to insert report from Flight Surgeon who says that P-1 safe for occupation.

83 1400 P-50 restored to normal operations.

84 1600 Notified by EADF that CPX Firecracker is terminated. All notified.

55-3049

0214

COPY

PROBLEMS

COPY "Fire Cracker"

553049

0215

Problem # 1

C O P Y

EADF EXERCISE FIRE CRACKER

STAFF ORGANIZATION - EADI

PROBLEM NO. 1

PROBLEM ANALYSIS

1. STATEMENT AND/OR DEFINITION OF PROBLEM

Submarine Report (CIRVIS)

- a. To check compliance by EADF Intelligence personnel with AFR 200-3, ADCR 200-4, and JANAP 146(c) in the proper dissemination and transmission of CIRVIS reports.
- b. To check on correlation procedures employed by EADF Intelligence personnel.

2. OUTLINE

D/I, EADF receives CIRVIS report of unidentified sub off east coast at /1615Z.

3. SUMMARY OF ACTION TAKEN BY DIVISIONS

(The Division Commander and his staff should be briefed on this information and simulated dissemination made to subordinate units.)

- a. CIRVIS report disseminated to wings, simulated to subordinate units.
- b. Intelligence disseminated evaluation of CIRVIS report wings - simulated to subordinate units.
- c. Division Commander and staff briefed.
- d. Intelligence data was displayed in the division staff briefing room.

4. CONCLUSIONS AND RECOMMENDATIONS

NONE

5. COMMENTS ON EFFICIENCY OF ACTION

GOOD

55-3049

0216

Problem #201

C O P Y

EADF EXERCISE FIRE CRACKER

STAFF ORGANIZATION - MDM

PROBLEM NO. 201

PROBLEM ANALYSIS

1. STATEMENT AND/OR DEFINITION OF PROBLEM

Requires action to determine current status at EADF bases of those material reserves established in accordance with paragraph 3 and Appendix 1, Annex B of COMAD OPLAN 4-55, 1 Apr 55. The reserves established are required by augmentation forces deploying to EADF bases at time of national emergency. This problem is initiated for purpose of requiring units affected by the plan to review and determine the adequacy and current status of available support assets required to support augmentation units.

2. OUTLINE

Message is dispatched from Hq ADC to WADF, CADF and EADF at 0045Z, D-Day. Upon receipt by EADF, action agency, EAMDM, should prepare message to all Air Divisions and Wings outlining the requirements expressed in ADC message. Subsequent monitoring action by EAMDM should result in additional action and message interchange and in factual presentation of support capability.

- a. Action agency is EADF. (EAMDM)

55-3049

0217

Problem # 102

C O P Y

EADF EXERCISE "FIRE CRACKER"

STAFF ORGANIZATION O & T

PROBLEM NO. 102

1. STATEMENT AND/OR DEFINITION OF PROBLEM

- a. As a result of an H-Bomb dropped on Limestone AFB, the 766th ACWRON was completely destroyed.
- b. As of 0100Z, the Control Center (AMAZON), 32d Air Division (Defense) lost all communications with the Direction Center (EAGLE BEAK), 766th ACWRON.
- c. Purpose of Problem:
 - (1) To test "ACW Equipment Capability Status Reporting" in accordance with ADCR 55-22.
 - (2) To test staff agencies in initiating action for redeployment of mobile radar units.

2. OUTLINE OF EXPECTED ACTIONS

- a. (Amazon) 32d Air Division (Defense) will attempt to determine reason for loss of communications with (EAGLE BEAK) 766th ACWRON, and attempt to re-establish contact.
- b. When communications cannot be re-established, this fact, plus information contained in attack and bomb damage reports should indicate that this unit has been destroyed.
- c. If necessary to provide radar coverage in this area, the 32d Air Division (Defense) may take action to redeploy mobile radar to this area.

3. SUMMARY OF ACTION TAKEN BY FORCES

- a. As of 0700Z all communications lost with 766th.
- b. As of 0103Z HF requested and attempted with 766th with negative results.
- c. CAC requested an AEWAC aircraft from Otis to go to Presque Isle area to provide EW. Three AEWAC on standby one dispatched to Presque Isle area.
- d. CAC directed 4711th Wing to establish messenger service between Presque Isle and 766th ACWRON. Messenger service established by helicopter with motor vehicle back-up.

55-3049

0218

Problem # 102
Page 2

C O P Y

4. CONCLUSION AND RECOMMENDATIONS

NONE

5. COMMENTS ON EFFICIENCY OF ACTIONS

GOOD

(Problem # 2 G, H, I)

C O P Y

EADF EXERCISE PIER CRACKERSTAFF ORGANIZATION - EADIPROBLEM NO. 2 G, H, IPROBLEM ANALYSIS1. STATEMENT AND/OR DEFINITION OF PROBLEM

a. To familiarize EADF Intelligence personnel with existing EEI's (ref Annex A, ADC Ops Order 3-54) and to train these personnel in the extraction of EEI's form narrative type reports pertaining to downed enemy aircraft in the EADF region.

b. To check compliance with COMADR 200-2, EADFR 200-2, and EADFL, Subject: EADF Intelligence Format, dated 20 Oct 54, by EADF units in the dissemination and transmission of reports on downed enemy aircraft in the EADF region.

2. OUTLINE

Nine individual reports of downed enemy aircraft will be injected by the division committee members at division level. Each report will correspond with a different 4602d AISS unit's area of responsibility and will occur between /0012Z and the time the last track fades from radar detection.

3. SUMMARY OF ACTION TAKEN BY DIVISIONS

(EEI will be extracted and disseminated in format form (ref EADFL, Subject: EADF Intelligence Format, dated 20 Oct 54, to EADF Headquarters. The division D/I will also forward downed enemy aircraft information to the Commander of the AISS unit which has the responsibility for the area in which the aircraft crashed. The report on the results of the AISS investigation will be relayed to EADF Headquarters by the Division D/I. He will also brief the Division Commander and his staff on the investigation results.)

a. Downed enemy aircraft information was forwarded to AISS, Detachment 3-3, Detachment 3-3. Action taken by Detachment 3-3 at Burlington, was simulated at 4711th ADW through a misunderstanding. The 4711th was under the assumption the AISS action was to be simulated by them.

b. Division Commander and staff were briefed.

4. CONCLUSIONS AND RECOMMENDATIONS

NONE

5. COMMENTS ON EFFICIENCY OF ACTION

GOOD

55-3049

0 2 2 0

Cracker #3

C O P Y

EADF EXERCISE FIRE CRACKERSTAFF ORGANIZATION - EADIPROBLEM NO. 3PROBLEM ANALYSIS1. STATEMENT AND/OR DEFINITION OF PROBLEM

a. The familiarized EADF Intelligence personnel with existing EEI's (ref Annex A, ADC Ops Order 3-54) and to train these personnel in the extraction of EEI's from narrative type reports pertaining to targets attacked in the EADF Region.

b. To check compliance with CONADR 200-2, EADFR 200-2, and EADFL, Subject: EADF Intelligence Format, dated 20 Oct 54, by EADF units in the dissemination and transmission of reports on targets attacked in the EADF region.

2. OUTLINE

- a. Report of attack on Boston Mass rec'd by 32nd AD at /0109Z
- b. Report of attack on Portsmouth, N.H. rec'd by 32nd AD at /0111Z
- c. Report of attack on Limestone, AFB rec'd by 32nd AD at /0114Z
- d. Report of attack on Sault Ste Marie rec'd by 30th AD at /0117Z
- e. Report of attack on Bangor, Maine rec'd by 32nd AD at /0118Z
- f. Report of attack on Westover AFB rec'd by 32nd AD at /0120Z
- g. Report of attack on Norfolk, Va. rec'd by 26th AD at /0120Z
- h. Report of attack on Buffalo, N.Y. rec'd by 32nd AD at /0125Z
- i. Report of attack on Hunter AFB rec'd by 35th AD at /0129Z
- j. Report of attack on New York City rec'd by 26th AD at /0131Z
- k. Report of attack on McDill AFB rec'd by 35th AD at /0134Z
- l. Report of attack on Washington, D.C rec'd by 26th AD at /0135Z
- m. Report of attack on Cleveland, Ohio rec'd by 30th AD at /0135Z
- n. Report of attack on Philadelphia rec'd by 26th AD at /0135Z
- o. Report of attack on Detroit, Mich rec'd by 30th AD at /0139Z
- p. Report of attack on Toledo, Ohio rec'd by 30th AD at /0139Z
- q. Report of attack on Pittsburgh, Pa. rec'd by 30th AD at /0140Z
- r. Report of attack on Columbus, Ohio rec'd by 30th AD at /0144Z
- s. Report of attack on Chicago, Ill rec'd by 30th AD at /0145Z

3. SUMMARY OF ACTION TAKEN BY DIVISIONS

(EEI will be extracted and disseminated in format form (ref EADFL, Subject: EADF Intelligence Format, dated 20 Oct 54) to EADF Headquarters. Simulated dissemination will be made to subordinate units which do not have the EEI. The Division Commander and his staff will also be briefed on this information.)

55-3049

0 2 2 1

*Challenge #3
Page 2*

C O P Y

A. Report of attacks Boston, Limestone, Westover, Bangor, and Buffalo were passed to EADF via Hotline.

TWX's of these attacks were forwarded to the wings, simulated to Groups and squadrons.

The division staff was notified of these attacks.

4. CONCLUSIONS AND RECOMMENDATIONS

EADF Intelligence Format, dated 20 Oct 54, was not utilized.

It is recommended that the mentioned format be utilized to expedite dissemination of intelligence data.

The use of the format was brought to the attention of the Director of Intelligence after the exercise. It was agreed that dissemination of data would have been more expeditious had the format been utilized.

5. COMMENTS AND EFFICIENCY OF ACTION

GOOD. The information was disseminated although the EADF intelligence was not used.

COPY

Problem # 904

PROBLEM #904

PROBLEM ANALYSIS

1. STATEMENT AND/OR DEFINITION OF PROBLEM EADF Regulation 100-3, Emergency Repair of Wire Communications Facilities, dated 23 December 1954. This test will check ADCC actions upon receipt of information from AC&W squadron that landline communications have been disrupted, cause unknown. Statement of difficulties will originate at P-67, P-30, P-14, and P-54. Messages will be simulated to have been transmitted and received by HF radio.

2. Outline. Messages will be introduced by division CPX Planning Committee Member on schedule as follows:

H / 1:40 - 648th AC&W Squadron to 26th Air Division ADCC

H / 1:40 - 791st AC&W Squadron to 30th Air Division ADCC

H / 1:40 - 663rd AC&W Squadron to 35th Air Division ADCC

H / 1:40 - 764th AC&W Squadron to 32nd Air Division ADCC

Action addresses will be Air Divisions concerned. The CPX Committee Member will fill in the time blank on the messages - time to be indicated will be "Z" time and should coincide with major strike time for the area. It is expected that Air Divisions will initiate action in accordance with paragraph 5b, EADF Regulation 100-13, to restore circuits and submit necessary report to Headquarters EADF.

3. SUMMARY ACTION TAKEN BY FORCES

a. At 13/0140, ADCC received information that landline communications with P-14 were out.

b. At 0143, ADCC requested HF back-up be initiated with P-14.

A listening watch was ordered on the Mars net.

55-3049

0225

*Problem # 904
Page 2*

COPY

c. C&E was advised of the landline outage at P-14 and simulated notifying the telephone company to effect emergency cycle and rerouting.

d. C&E this headquarters complied with all requirements of EADFR 100-13, paragraph 5b except item #4 in the criteria. However, there is a question as to who controls subject circuit in ref paragraph 5a of EADFR 100-13.

4. CONCLUSIONS AND RECOMMENDATIONS

The Director of C&E desires clarification as to who exercises control of circuit in paragraph 5a of EADFR 100-13.

5. COMMENTS ON EFFICIENCY OF ACTION

GOOD

55-3049

0 2 2 4

Problem # 4

C O P Y

EADF EXERCISE FIRE CRACKER

STAFF ORGANIZATION - EAEDI

PROBLEM NO. 4

PROBLEM ANALYSIS

1. STATEMENT AND/OR DEFINITION OF PROBLEM

a. To familiarize EADF Intelligence personnel with existing EEI's (ref Annex A, Ops Order 3-54) and to train these personnel in the extraction of EEI's from narrative type reports pertaining to enemy tactics.

b. To check compliance with COMARR 200-2, EADFR 200-2, and EADFL, Subject: EADF Intelligence Format, dated 20 Oct 54, by EADF units in the dissemination and transmission of reports on enemy tactics.

2. OUTLINE

a. Report of enemy tactics received by D/I, 26th AD from lower units at /0125Z.

b. Report of enemy tactics received by D/I, 30th AD from lower units at /0125Z.

c. Reports of enemy tactics received by D/I, 32nd AD from lower units at /0125Z.

d. Report of enemy tactics received by D/I, 35th AD from lower units at /0230Z.

3. SUMMARY OF ACTION TAKEN BY DIVISIONS

(EEI will be extracted and disseminated in format form (ref EADFL, Subject: EADF Intelligence Format, dated 20 Oct 54) to EADF Headquarters. Simulated dissemination will be made to subordinate units which do not have the EEI. The Division Commander and his staff will also be briefed on this information.)

a. Information to be TMI'd to Wings, simulated to lower echelons.

b. Current information was posted in the briefing room.

c. Division Commander and his staff were briefed.

d. Information was forwarded to EADF via Hotline.

4. CONCLUSIONS AND RECOMMENDATIONS

It is recommended that the EADF Intelligence Format be utilized to

55-3049

0 2 2 5

COPY

*Problem # +
Page 2*

expedite dissemination of intelligence information.

5. COMMENTS ON EFFICIENCY OF ACTION

GOOD

55-3049

0 2 2 6

COPY

Problem #905

PROBLEM #905

PROBLEM ANALYSIS

1. STATEMENT AND/OR DEFINITION OF PROBLEM. EADF Regulation 100-2, Rocket Messages, dated 8 July 1953. This test will provide practice or simulated ROCKET messages in accordance with procedures outlined in EADF Regulation 100-2. This problem will also provide a check of staff coordination at Division level in assessment and compilation of damage caused by this raid. Equipment listing, as compiled by Air Divisions, should reflect all C&E ground equipment losses at those stations suffering damage as result of bombings, fire or ground action by saboteurs.

2. OUTLINE. Messages will be transmitted to Commander, 26th, 30th, 32d and 35th Air Divisions at H / 3:00. Action addressee will be Commanders of Air Divisions. It is expected that Air Divisions will reply to messages and will also establish ROCKET message logs. Actual time of delivery to addressee will be reported back to originator. Division CPX Committee Member will indicate time or receipt of ROCKET messages at Air Division and time of delivery to the Commander.

3. SUMMARY ACTION TAKEN BY FORCES

- a. Rocket EADCE 905 received in 32d Communications Center at 13/0318Z. This message was delivered to the Division Commander at 13/0340Z.
- b. Rocket message to this headquarters was answered at 13/0435Z message 3 Rocket 7013.

4. CONCLUSIONS AND RECOMMENDATIONS

- a. No Rocket Message log is maintained as such. Messages of this type - Rocket, Special handling, Eyes only message are maintained in a "special handling log".

55-3049

0227

COPY

Credent #905
Page 2

b. A "Rocket Message" log is now being maintained in the
Communications Center of this headquarters.

5. COMMENTS ON EFFICIENCY OF ACTION.

GOOD

Grablow #601

C O P Y

EADF EXERCISE FIRE CRACKER

STAFF ORGANIZATION - BAIG-BAIPM

PROBLEM NO. 601

PROBLEM ANALYSIS

1. At 0200Z, D day, the Operations Building was destroyed by the 656th AC&W Squadron by rockets launched by saboteurs who escaped by truck. Purpose: Testing procedures for notifying this headquarters of incidents of sabotage.

2. One time report from 32d Air Division to EAEDI and EAIPM in turn. Action required: Installation Defense plans placed in effect throughout 32d Air Division. OSI notified.

Summary of Action:

1. ADCO received word of 656th AC&W Squadron incident at 13/0206Z.
2. TPO-1C at 656th AC&W Squadron was ordered to be put into operation immediately. This back-up radar was in place at the 656th at the time of the incident. At 13/0220Z this equipment became operational.
3. An attempt to notify EADF Intelligence was begun at 13/0208Z and terminated at 13/0232Z. The attempt was successful.
4. Installation defense plans had been in effect previous to this incident. (simulated)

Comments on Efficiency of Action:

1. Action taken was good as far as it went. However, the Provost Marshall at this headquarters was not notified nor was the OSI. The one time report to EAEDI and EAIPM was not forwarded.

55-3049

0 2 2 9

Problem # 702

C O P Y

EADF EXERCISE FIRE CRACKER

STAFF ORGANIZATION - EADIS

PROBLEM NO. 702

PROBLEM ANALYSIS

1. STATEMENT AND/OR DEFINITION OF PROBLEM

Request from 32nd Air Division to EADF for information regarding proper channel to process for clearance answers to queries regarding bomb damage.

2. OUTLINE

Message 702 to be sent at D/0400Z by TWX - PRIORITY - SECRET

1. EADF's answer was received and disseminated to the wings.

55-3049

0 2 3 0

Problem # 802

COPY

EADF EXERCISE FIRE CRACKER

STAFF ORGANIZATION - EAODD

PROBLEM NO. 802

PROBLEM ANALYSIS

1. STATEMENT AND/OR DEFINITION OF PROBLEM

This problem involves the loss of an Air Defense Filter Center by bomb damage. The problem will test the ability to recuperate from the loss and determine what actions are taken by the Director of Civil Air Defense, Headquarters 32d Air Division, to implement the filter center back up plan in accordance with letter this Headquarters, Subject: "Filter Center Emergency Backup" dated 29 September 1953.

2. OUTLINE

a. The problem is set up as follows:

- (1) 0118Z - Initial frag report to intelligence indicates contact lost with filter center.
- (2) 0306Z - Telephone call from key point CARN station at Bangor reports that filter center was destroyed by fire resulting from A-Bomb burst.
- (3) 0436Z - Amplifying report from Sector Sergeant verifying total destruction of filter center.

b. Director of Civil Air Defense, Headquarters 32d Air Division must:

- (1) Determine that back-up filter center (Manchester) has a plotting board capable of plotting the reports from the Bangor Filter Center area.
- (2) Issue instructions to telephone company officials to have calls routed to alternate filter center.
- (3) Report outage to Headquarters EADF.

3. SUMMARY ACTION TAKEN BY FORCES

a. At 0230Z, Manchester Filter Center was notified (simulated) to take over all calls for Bangor Filter Center, also notified Military coordinator at Boston of "Spitfire" denoting to transfer calls to Manchester Filter Center.

55-3049

0231

COPY

*Challenge # 802
Page 2*

b. Instructions to the telephone company are contained in "Spitfire".

c. Hq EADF was not advised of the outage.

4. CONCLUSIONS AND RECOMMENDATIONS

NONE

5. COMMENTS ON EFFICIENCY OF ACTION

GOOD

55-3049

0 2 3 2

(Tablet) # 806

COPY

EADF EXERCISE FIRE CRACKER

STAFF ORGANIZATION - EAQCD

PROBLEM NO. 806

PROBLEM ANALYSIS

ACFOCD 7019

1. STATEMENT AND/OR DEFINITION OF PROBLEM

This problem involves the loss of an Air Defense Filter Center by bomb damage. The problem will test the ability to recuperate from the loss and determine what actions are taken by the Director of Civil Air Defense, Headquarters 32d Air Division, to implement the filter center back-up plan in accordance with letter this headquarters, Subject: "Filter Center Emergency Back-up" dated 29 September 1953.

2. OUTLINE

a. The problem is set up as follows:

- (1) 0112Z - City of Buffalo is bombed.
- (2) 0125Z - Initial frag report advises that filter center communications are lost.
- (3) 0512Z - Amplifying report from a sector sergeant reports that a refugee had told him that the filter center was so severely damaged it would take at least several days to put it back in operation.

b. The Director of Civil Air Defense, Headquarters 32d Air Division must:

- (1) Determine that back-up filter centers (Syracuse 1st, and Canton 2d) have a plotting surface on which to record observation post reports from the Buffalo Filter Center area.
- (2) Issue instructions to telephone company officials to have calls routed to the alternate filter center selected.
- (3) Report outage to Headquarters EADF.

3. SUMMARY OF ACTION TAKEN BY FORCES

a. The Director of Civil Air Defense is aware of the fact that Syracuse Filter center is capable of recording observation post reports from Buffalo, therefore, it was simulated that the Syracuse Filter Center was instructed to accept all re-routed reports intended for the Buffalo Filter Center.

55-3049

0233

COPY

*Truller # 806
Page 2*

b. Arrangements were made with the telephone company to re-route Buffalo calls to Syracuse.

c. Headquarters EADF was not advised of this outage.

4. CONCLUSIONS AND RECOMMENDATIONS

a. The Director of Civil Defense desires a clarification of fact that Canton, N.Y. is mentioned as on back-up filter center.

5. COMMENTS ON EFFICIENCY OF ACTION

GOOD

Challenger # 401a

C O P Y

EADF EXERCISE FIRE CRACKERSTAFF ORGANIZATION Flying SafetyPROBLEM NO. 401aPROBLEM ANALYSIS1. STATEMENT AND/OR DEFINITION OF PROBLEM

As the F-86D climb above 30,000 feet using afterburner the aircraft fire warning light comes on. If they come out of after burner they are unable to meet the intercept. If they stay in afterburner they experience engine failure. The reason for the problem is to determine what decision would be made if such a problem area developed when was was declared.

2. OUTLINE

The accidents occur when the aircraft are scrambled against hostile targets. One will occur in each Air Division except the 35th Air Division. Preliminary accident reports will originate from the base from where the aircraft was scrambled and will be sent to each respective Air Defense Wing and Division, and to Commander, EADF. As the reports arrive in EADPS, the information should be given to the Vice Commander, DO, O&T and DM for a decision and action.

The accidents will occur in the following sequence:

- a. 47 FIS 2130E 0030Z Report submitted 0630Z
- b. 13 FIS 2145E 0045Z Report submitted 0730Z
- c. 5 FIS 2135E 0035Z Report submitted 0700Z

3. SUMMARY ACTION TAKEN BY FORCES

- a. Preliminary accident report was introduced at 13/0648Z. Report went to EABF, info to 32d AD (ADWADJ 89)
- b. EAMAC - ACM 41 instructs pilots to stay out of afterburner if an overheat condition is present. This information was disseminated to the wings.

4. CONCLUSIONS AND RECOMMENDATIONS

NONE

5. COMMENTS ON EFFICIENCY OF ACTION

GOOD

55-3049

0235

Problem #507

C O P Y

EADF EXERCISE FIRE CRACKERSTAFF ORGANIZATION - Judge AdvocatePROBLEM NO. 507PROBLEM ANALYSIS1. STATEMENT AND/OR DEFINITION OF PROBLEM

During the exercise "CPX Firecracker" two Canadian aircraft collided near Peterboro, Ontario. Time of Collision: approximately twenty-four hours after beginning of exercise. The Judge Advocate General of the Army sends a TWX to the nearest Air Force installation, Headquarters 518th Air Defense Group, directing an investigation of the incident under the provisions of Article VIII of Agreement, "Status of Forces of Parties to North Atlantic Treaty".

This problem is designed to test the capability of the office of the judge advocate to find pertinent directives and regulations not commonly referred to and to vouchsafe an opinion thereon. Reference Agreement regarding status of forces of parties to North Atlantic Treaty as set forth in AFR 112-13, dated 20 April 1955.

2. OUTLINE

Information will be received at this headquarters by TWX from 32d Air Division (Defense) quoting message received by them from General Brannan, Judge Advocate General, US Army.

MSG:

/2400Z Jul

FM COMDR 32d AIRDIV(DEF) SYRACUSE AF STA SYRACUSE NY

TO COMDR EADF STEWART AFB NEWBURGH NY

/UNCLASSIFIED/_____. "CPX FIRECRACKER" RESULTED IN COLLISION OF TWO CANADIAN AIRCRAFT ON _____ JULY 1955 NEAR PETERBORO, ONTARIO, CANADIAN OFFICIALS ARE INVESTIGATING. INTERNATIONAL AGREEMENTS NOT AVAILABLE THIS COMD. REQUEST INSTRS AS TO ACTION DESIRED REF FOLG TWX RECEIVED FR MAJ GENERAL E. M. BRANNAN, OFFICE OF THE JUDGE ADVOCATE GENERAL, FT HOLABIRD, MARYLAND TO COMDR 518TH AIR DEF GP, NIAGARA FALLS: QUOTE INFORMATION RECEIVED OF COLLISION OF TWO CANADIAN ACFT NEAR PETERBORO, ONTARIO, ON _____ JUL 1955. ACFT B SED AT UPLANDS, ONTARIO, AND WER ENGAGED IN AIR DEF MSN CPX. CODE WORD FIRECRACKER, MILITARY AND CIVILIAN DAMAGE AND/OR FATALITIES. DIRECT IMMEDIATE INVESTIGATION BY PERSONNEL COMPETENT TO DEAL WITH LEGAL AND OPEL PROBLEMS AND TO DETERMINE RESPONSIBILITIES UNDER THE PROVISIONS OF ARTICLE VII OF AGREEMENT. STATUS OF FORCES OF PARTIES TO NORTH ATLANTIC TREATY. FOR YOUR IDENT OF INCIDENT, REPEAT CODE WORD FIRECRACKER.

55-3049

0236

HEADQUARTERS
4707TH AIR DEFENSE WING
Otis Air Force Base, Massachusetts

<input type="checkbox"/>	DWCMR
<input checked="" type="checkbox"/>	DWCCDR
<input type="checkbox"/>	DWEX
<input checked="" type="checkbox"/>	ADJUTANT
<input type="checkbox"/>	SGT MAJ
<input type="checkbox"/>	PERSONNEL
<input type="checkbox"/>	DWMP
<input type="checkbox"/>	DWMP-A
<input type="checkbox"/>	DWMP-AC
<input type="checkbox"/>	DWMP-AW
<input type="checkbox"/>	DWMP-AA
<input type="checkbox"/>	DWMP-O
<input type="checkbox"/>	DWMP-ER
<input type="checkbox"/>	DWMP-PA
<input type="checkbox"/>	DWMP-FS
<input type="checkbox"/>	DWMP-R
<input type="checkbox"/>	DWMP-T
<input type="checkbox"/>	DWMP-CS
<input type="checkbox"/>	DWMP-OA
<input type="checkbox"/>	DWMP-OS
<input type="checkbox"/>	DWMP-OR
<input type="checkbox"/>	DWPCP
<input checked="" type="checkbox"/>	DWOI
<input checked="" type="checkbox"/>	DWOOT
<input type="checkbox"/>	DWOC
<input type="checkbox"/>	DWOS
<input type="checkbox"/>	DWCIN
<input type="checkbox"/>	DWOW
<input checked="" type="checkbox"/>	DWOCNT
<input type="checkbox"/>	DWM
<input type="checkbox"/>	DWMAD
<input type="checkbox"/>	DWMAR
<input type="checkbox"/>	DWMCE
<input type="checkbox"/>	DWMAU
<input type="checkbox"/>	DWMAI
<input type="checkbox"/>	DWMT
<input type="checkbox"/>	DWMSU
<input type="checkbox"/>	DWNTS
<input type="checkbox"/>	DWJA
<input type="checkbox"/>	DWC
<input type="checkbox"/>	DWC-MA
<input type="checkbox"/>	DWC-SS
<input type="checkbox"/>	DWFE
<input type="checkbox"/>	DWDS
<input type="checkbox"/>	DWG
<input type="checkbox"/>	DWIS

ADJOCNT
SUBJECT: CPX Firecracker

TO: Commander
Eastern Air Defense Force
Stewart Air Force Base
Newburgh, New York

1. The attached narrative report of CPX Firecracker is forwarded in compliance with paragraph 3c(13) of EADW Operations Order 33-55, dated 17 June 1955.

2. Problem analysis sheets are also attached as Inclosures 2 through 4, inclusive. An analysis of problem 203 is not included inasmuch as the problem never materialized.

FOR THE COMMANDER:

- 4 Incls:
1. Narrative Rept
 2. Problem Analysis 201
 3. Problem Analysis 505
 4. Problem Analysis 401

cc: Comdr, 32d AD(D)

Russell F. Henry
RUSSELL F. HENRY, Major, USAF

Preffered _____ PERMANENT () TEMPORARY () Until _____
 INCLOSURES () DATE () NOT NECESSARY FOR RECORD PURPOSES _____ FILE COPY _____
 HQ 4707TH ADW Fm 1 (Revised 25 May 1955)

0237

014

FERGUSON

NARRATIVE

A teletype message was received at 221900Z notifying this headquarters of a sub sighting. This intelligence was given to the Wing Commander and staff. No further action was taken until 0037, when a "cocked pistol" was received on the hot line from 304 Air Division. "Cocked pistol" had been declared at 0029, so it is apparent that it took 15 minutes to inform this headquarters of the alert condition.

The personnel alert notification plan was put into effect immediately, which meant that all wing military personnel were recalled to the headquarters for duty. While personnel were still being notified of the "cocked pistol" condition, an "apple jack" notification was received from 304 Air Division. All sections were adequately manned by 0100. They were fully manned shortly following this time, and remained so until 0130 when the Wing Commander authorized all sections to man on an 8 hour shift basis. The alert status was lowered to "lawn jacks" at 0130, and to "barman" at 0200. Both of these changes in alert status were received from 304 Air Division at 0200.

During the period of 0100 - 0300 the majority of messages received was of an intelligence nature. The messages did not indicate that they had been sent to subordinate units of this wing, so simulated messages were prepared and forwarded to all units. This minor problem was reported to 304 Air Division and they included "all informed" in their

0238

messages. The intelligence passed down was helpful in keeping this headquarters informed of the big picture and, of course, included some information which directly affected this headquarters.

For example, message ACFOIN 4, received at 0151, informed this headquarters that Westover had been completely destroyed at 0106. Message ACFOIN 13, received at 0211, was the first notification that the operations building at the 656th ACGW Squadron had been destroyed. The only action taken on the former message was the preparation of casualty report and morning report covering the deaths at the 60th FIS. The message concerning the 656th ACGW Squadron caused several actions on the part of this headquarters.

First, all units were advised of the sabotage at the 656th, and were alerted to be fully prepared for sabotage attempts at their stations. Second, plans were formulated for shipping replacement equipment to the 656th. Airlift was requested at 130405Z. Nothing further developed until 1705, at which time 32d Air Division advised that they would handle the replacement program for the 656th.

This incident concerning the movement of replacement equipment points out a problem area. The Wing Commander is responsible for providing logistical support assistance to ACGW Squadrons, yet he is, tactically speaking, in no position to reach a sound decision because of a lack of information. In this case, for example, this headquarters might have lowered the combat effectiveness of the area by ordering a specific squadron to release some of its scopes for use by the 656th. It appears that movement of equipment must be controlled at division level or higher.

The 656th resumed operations with a T19-20 and remained operational during the remainder of the exercise by using it and the prime radar. Simulated action was taken about 0600 to provide the squadron with new crypto equipment and material, CEX's, authentication tables, etc. Consideration was given to the movement of personnel to the 656th, but such action was not considered advisable. It was ascertained that the squadron losses were such that a sufficient number of operations and maintenance personnel were available for duty. However, a request for a full report was submitted to division by message. If the message had been answered, the information would have been very useful for planning purposes at this headquarters.

At 0252, word was received from division that 10 aircraft of the 60th FB had been saved from destruction by having been airborne at the time of the Westover bombing. This headquarters, after learning that the aircraft were staging out of Westfield, recommended to division that the aircraft be based at Niagara or Stewart because of support difficulties at Westfield. At 0817, a call was received from division stating that there were 4 aircraft saved -- not 10 -- and they would be deployed to Niagara. Message AGFOOT-FO 7015, dated 130215Z, informed this headquarters that subject aircraft were being deployed to Suffolk County Airport.

This headquarters reassumed responsibility for the 4 aircraft and crews when notified by division, at 140407Z, that the aircraft were being redeployed to Brunswick. Ten airmen were ordered to Brunswick to support the aircraft as directed by division.

The only other deployment of fighter aircraft was the recall of the 47th FIB from Tusa. The 518th Group was informed of this move 15 minutes after the message was received at this headquarters. There was a deployment of cargo aircraft ordered by division. This requirement (EADF OPLAN 2-55) was passed to both groups for implementation.

The Wing Commander conducted an informal post-strike critique at 130335Z. All sections were represented and there was a free exchange of information and ideas. Quite a bit of coordination was effected at this time.

The personnel section was required to do very little during this exercise. They prepared missing person reports for the personnel of the 64th, the 60th FIB, and death reports on several men. Units were advised to cancel overseas orders on all personnel below the grade of Lt. Colonel. A message was forwarded to EADF at 131945Z requesting permission to recall certain reserve officers. EADF replied by message EADHP-GSA 83, stating that authority is contained in AICOMP 1-55. Orders were published following the receipt of this message. The section also requested release from all training quotas, directed units to set up a centralized information agency, and ordered 10 airmen to be detailed for duty at Brunswick.

The personnel section officers are in complete agreement about the following: 1) The exercise appeared to be unrealistic in that there were few personnel problems, difficulty was encountered in contacting higher headquarters, and that this headquarters was unable to communicate with its units because of the restriction imposed by the governing operations

order. 2) Problems should be more detailed, and all units should take part in the exercise so there could be a free flow of communications among all EADF units.

The operations section was concerned chiefly with aircraft status, aircraft deployment, and communications. All intelligence matter passed through the section, but very little action was required other than notifying the commander and staff. Quite a bit of time was spent in researching various documents, such as: EADFWCP 55-1, EADF OPIAN 2-55, etc.

Several calls were received over the hot line from division requesting aircraft status. It was explained to the originator that this headquarters was uninformed as to fighter aircraft status and had no simple way of obtaining such information. Fighter status should be available at division level and division should keep the wings informed.

A bomb damage assessment report of Logan Airport was requested by division. The information was obtained and submitted.

The G&E shop simulated ordering in several circuits: PPT toll circuits to 518th Group, 32d Air Division and EADF. A message was sent to USAF and MAAMA requesting immediate engineering assistance and replacement of facilities at the 762d ACGM Squadron.

This is as good a time as any to present a problem which appeared during the exercise. At 1700, this office learned, by chance, that the 762d personnel had been evacuated at 0100 (please note the 16 hour difference) because of radio active fall out. There was no official notification; however, a query was received from division at 0230 the

following day requesting the decontamination status at the station. At this time, division was informed that the decontamination had been completed, but the site could not be returned to operational status because all equipment had been destroyed by saboteurs after they had overcame the security guards. It was recommended that AEW&C continue to provide coverage by keeping an RC 121 airtorns.

Insofar as volume of messages and phone calls are concerned, the D/M office was the most active in this headquarters. There was quite an interchange of messages between this headquarters and EADF about an aircraft accident; about a defective elbow in the F-86D reheat fuel system, which was reported originally as an emergency UR by this headquarters; and the status of supply levels. Personnel of this office had considerable difficulty because their counterparts at EADF and 26th Air Division were unable to authenticate properly. Failure to authenticate, and cut offs on the hot line caused time lags as high as 50 minutes in certain actions.

In response to a query from EADF, a report was submitted stating that all bases had sufficient materiel items on hand, and all items could be deployed as required. The level of supplies became an issue again when a message referring to COMAD OPLAN 4-55 was received. This is covered thoroughly in the attached analysis of problem 201.

The comptroller's office received message ACFFCS-R 7021, dated 130421Z, which required the submission of RCS: APD-V4. Division was advised by message DWG-SS 305 that the reporting information was not available at this headquarters. Division replied in their message ACFFCS-R

7023 and gave full particulars about the preparation of the report. Their 3 page message ended by saying, "rept for GPM Firecracker only w/b submitted by this hq. This ans 4707th Wg msg DW-53 305 and 4711th Wg msg DWCR 13-0".

Apparently, it is the intent of higher headquarters that the V-4 report be prepared at wing level. It is believed that such a procedure would delay the flow of information by 2 or 3 hours, and would serve no useful purpose other than facilitating further consolidation at division level. It is apparent that further instructions concerning this report must be prepared.

EADF message EAMP 38, dated 131903Z, required that all fighter interceptor squadrons submit a daily combat crew status report immediately. After expending about 2 hours in fruitless research, it was learned via a hot line call to EADF that the report had not been previously established -- except in an outdated "War Mobilization Plan". EADF provided specific instructions by message and the report was submitted.

It is the recommendation of the Wing Comptroller that the previously mentioned reports (and the reports required by EADF WOP) be incorporated into the EASA system. Furthermore, he recommends that EASA be implemented during future exercises for 1) simplicity, 2) work load reduction, 3) minimum communications traffic, and 4) an actual test of the EASA reporting system.

The exercise was terminated at 1610. The consensus appears to be that the exercise brought to light several problem areas within this headquarters--problems which have been, or are being, resolved. There is a

strong feeling that all units should be included in the next CPX. This would do much with simulated messages and would provide a true test of the communications system. All problems should be introduced into the system by use of an envelope system, and the problems should give all particulars. (For example, if an envelope contains information that an operations building has been destroyed, it should give exact information about deaths, injuries, equipment losses, communication status, etc.)

EADF EXERCISE FIRE CRACKER

STAFF ORGANIZATION: Deputy for Material

PROBLEM NO. 201

PROBLEM ANALYSIS

1. STATEMENT AND/OR DEFINITION OF PROBLEM

Requires action to determine current status at EADF bases of those materiel reserves established in accordance with paragraph 3 and Appendix 1, Annex D of COMAD OPLAN 4-55, 1 Apr 55. The reserves established are required by augmentation forces deploying to EADF bases at time of national emergency. This problem is initiated for purpose of requiring units affected by the plan to review and determine the adequacy and current status of available support assets required to support augmentation units.

2. OUTLINE

Message is dispatched from Hq ADC to WADF, CADF and EADF at 0045Z, D-Day. Upon receipt by EADF, action agency, EAMDM, should prepare message to all Air Divisions and Wings outlining the requirements expressed in ADC message. Subsequent monitoring action by EAMDM should result in additional action and message interchange and in factual presentation of support capability.

3. SUMMARY ACTION TAKEN BY FORCES

Message EAMDM-0001, dated 13045Z was received at this headquarters and was delivered to D/N at 130630Z. No action was taken until 0910Z, at which time a D/N representative got a copy of COMAD OPLAN 4-55 from D/O. At 1143Z and 1350Z a phone call was made to EADF requesting clarification and extension of the suspense date. Message DM 8 was sent to EADF confirming the two phone calls. At 1625Z a call was received on the hot-line from EADF stating that the original message applied to augmentation bases only -- we were not concerned. Meanwhile, a discussion was being held between D/O and D/N as to whether any action was required by this headquarters. A close study of the operation plan was necessary before it was decided that this headquarters (and subordinate units) was not required to take any action.

4. CONCLUSIONS AND RECOMMENDATIONS

a. That neither EADF nor 4707th was familiar enough with the provisions of COMAD OPLAN 4-55, 1 April 1955, to know that no action was required by this headquarters.

b. Recommend that only units required to take action be listed as action addressees. A study of the plan before sending the message would have cost a few minutes but, on the other hand, considerable time would have been saved if this headquarters had not had to research the plan, phone EADF, and send a message.

5. COMMENTS ON EFFICIENCY OF ACTION

This problem should not have included this headquarters. However, being listed as an action addressee, this headquarters took certain actions which would have been required of a legitimate action agency. D/H took an excessive period of time (over 5 hours) in requesting clarification from EADF. EADF delayed over 4 hours in supplying the information requested by this headquarters.

EADF EXERCISE FIRECRACKER

STAFF ORGANIZATION - Judge Advocate

PROBLEM NO. 505

PROBLEM ANALYSIS

1. STATEMENT AND/OR DEFINITION OF PROBLEM

Forty-eight hours after strike, Local Teamsters Union 502 at Boston, to which most truck drivers delivering supplies to Otis Air Force Base belong, called a strike. Purpose of the strike was double pay for the hazards involved in servicing a wartime base. The provisions of existing labor law outlawing such strikes were explained to them but to no avail. Twenty-four hours after initiating the strike, they formed a picket line across all entrances to Otis Air Force Base. Other drivers not belonging to the Union refused to cross picket line. Supplies of JP-4 fuel are being depleted to a dangerously low point.

2. OUTLINE

TX No. 1 informs commander of division and EADF of the strike and the reasons for. Time: 48 hours after both strikes.

TX No. 2 informs Commander, 26th Air Division and Commander, EADF of picket line conditions and requests instructions.

NSG TX No. 1

FM COMR 470TH AIRDEPOT OTIS AFB FAIRMOUTH MASS
TO COMR EADF STEWART AFB NEWBURGH NY
INFO COMR 26TH AIRDIV (DEP) ROSLYN AF STA ROSLYN NY

UNCLASSIFIED/ "CPX FIRECRACKER". LOCAL TEAMSTERS UNION 502 STRUCK FOR DOUBLE PAY EFFECTIVE 0800 EST, JULY 1955. CLAIM BASED UPON HAZARDS OF DELIVERY TO WARTIME BASE SUBJECT TO ATTACK. DEMANDS INCLUDE DOUBLE PAY, FREE INSURANCE, AND OTHER BENEFITS. EMERGENCY POWERS AND PROHIBITIONS AGAINST STRIKE EXPLAINED TO CONFERENCE WITH THE UNION OFFICIALS BUT TO NO AVAIL. STRIKE IS HINDERED BUT NOT STOPPED OFF DELIVERY OF NEEDED SUPPLIES. WILL ADVISE FURTHER. "CPX FIRECRACKER".

NSG TX No. 2

FM COMR 470TH AIRDEPOT OTIS AFB FAIRMOUTH MASS
TO COMR EADF STEWART AFB NEWBURGH NY
INFO COMR 26TH AIRDIV (DEP) ROSLYN AF STA ROSLYN NY

UNCLASSIFIED/ "CPX FIRECRACKER". LOCAL TEAMSTERS UNION NO. 502, BOSTON, MASS, FORMED PICKET LINE NEAR BASE TO ENFORCE STRIKE DEMANDS FOR DOUBLE PAY BECAUSE OF HAZARDS. CONFERENCE WITH UNION OFFICIALS

STRESSING GRAVITY OF SITUATION AND EMERGENCY POWERS UNDER EXISTING LAW IS UNYIELDING OF RESULT. NON-UNION DRIVERS OF J.P. MYRE COMPANY TRUCKING FIRM, CONTRACTING DELIVERY OF JP-4 FUEL REFUSED TO CROSS PICKET LINE. SUPPLIES OF JP-4 LIMITED. REQUEST AUTHORITY OR COURSE OF ACTION WHICH WILL PERMIT DELIVERY. "CPX FIRECRACKER".

3. SUMMARY ACTION TAKEN BY FORCES

Problem 505 was introduced into the system by this committee member at 132200Z in keeping with a change in schedule received from the 32 CM. Problem 505A was forwarded to EADF by message ADMADJ 90, dated 132252Z. Problem 505B was forwarded to EADF by message ADMADJ 91, dated 132252Z. No immediate action was required of this headquarters. It was simply a matter of awaiting an answer to our message. A reply was received from EADF in message LMSJA 77, dated 140933Z. This message instructed this headquarters to 1) use AF vehicles, or 2) use commercial vehicles operated by military operators, or 3) seize commercial vehicles.

4. CONCLUSIONS AND RECOMMENDATIONS

a. EADF's reply to our messages did not set a clear course of action to be followed. It is the opinion of the writer that EADF should have advised the dispersal of pickets. It appears that reference should have been made to the applicable provisions of AFM 125-4, dated 15 October 1954.

5. COMMENTS ON EFFICIENCY OF ACTION

The 10 hour time lag between the two messages from this headquarters and the reply from EADF is considered to be excessive. The legal people at this headquarters were aware of the provisions of AFM 125-4 and informed me, when questioned, that EADF probably would refer them to it for the solution of the problem. The outright seizure of civilian vehicles without carrying out certain preliminary actions is not considered to be the best course of action EADF could have recommended.

EADF EXERCISE FIRE CRACKERSTAFF ORGANIZATION - Flying SafetyPROBLEM NO. 401APROBLEM ANALYSIS1. STATEMENT AND/OR DEFINITION OF PROBLEM

As the F-86D climb above 30,000 feet using afterburner the aft fire warning light comes on. If they come out of afterburner they are unable to make the intercept. If they stay in afterburner they experience engine failure. The reason for the problem is to determine what decision would be made if such a problem area developed when war was declared.

2. OUTLINE

The accidents occur when the aircraft are scrambled against hostile targets. One will occur in each Air Division except the 35th Air Division. Preliminary accident reports will originate from the base from where the aircraft was scrambled and will be sent to each respective Air Defense Wing and Division, and to Commander, EADF. As the reports arrive, the information should be given to the Vice Commander, DO, O&T and DM.

The accidents will occur in the following sequence:

- a. 47 FIS 2130E 0030Z Report submitted 0630Z.
- b. 13 FIS 2145E 0045Z Report submitted 0730Z.
- c. 5 FIS 2135E 0035Z Report submitted 0700Z.

3. SUMMARY ACTION TAKEN BY FORCES

This problem was introduced into the exercise at 130630Z when one copy of the Preliminary Report of Major Aircraft Accident message was given to the Commander, 4707th Air Defense Wing, and the other was given to the message center for transmission to EADF. The Wing Commander passed the message to D/O for necessary action at 0635. (The accident report was transmitted to EADF as message AIMADJ 89, dated 130648Z.)

At 0710, D/O notified D/P of the accident and D/P submitted a death report to EADF by message INPMP-PB-0006.

At 0711, D/O notified D/M of the accident and requested an adequate check of the cause(s) be conducted. D/M, in turn, sent a message (simulated) at 0745 to the 60th and 47th FIS informing them of the accident and probable cause. Both units were directed to check all afterburner "B" nuts for proper torque as soon as possible -- but not to interrupt operations to do so.

EADF message EADFS-31, dated 131626, requested this headquarters advise EADF of the condition of the elbow assembly, P/N AN333-16D, of aircraft F-86D 53-863. The answering message, ADWOOT-1, stated that the reheat fuel system was completely destroyed in the crash.

There were several other messages concerning F-86D aircraft, which would appear to be directly related to this problem. However, such is not the case; they were the result of an emergency UR phoned into EADF. There was no connection between the aircraft accident and the emergency UR.

4. CONCLUSIONS AND RECOMMENDATIONS

That all sections and individuals concerned took the required action to investigate the cause of the accident and to inform the field units of their findings and recommendations. It appears, however, that EADF should have notified subordinate units of the fact that there were 3 aircraft accidents within a 15 minute period involving the same set of circumstances. It is very likely that such notification would have led to a different course of action by members of the 4707th Air Defense Wing.

5. COMMENTS ON EFFICIENCY OF ACTION

This headquarters is considered as having taken necessary action.

COPY

COPY

SECRET

5 JANUARY 1956

COMMANDER
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

DEAR GENERAL ISRAEL:

ATTACHED IS A COPY OF THE NARRATIVE REPORT COVERING THE
ACTIVITIES OF YOUR DIVISION DURING EXERCISE CRACKER JACK.
IF YOU CONSIDER ANY OF THE STATEMENTS MADE IN THIS REPORT TO
BE INCORRECT OR IF YOU BELIEVE YOUR DIVISION IS PRESENTED IN
AN UNJUST LIGHT, I WOULD APPRECIATE BEING SO INFORMED BY YOU.

I WILL BE WITH THE OFFICE OF OPERATIONS ANALYSIS, HEAD-
QUARTERS AIR DEFENSE COMMAND, UNTIL ABOUT 20 JANUARY IF YOU
WISH TO CONTACT ME.

SINCERELY,

1 INCL
NARRATIVE

/s/ W. J. WEBER
/t/ W. J. WEBER
OPERATIONS ANALYST
HEADQUARTERS USAF

SECRET

56076

0252

COPY

SECRET

NARRATIVE REPORT

CRACKER JACK ACTIVITIES OF THE 32D AIR DIVISION

THE ESTABLISHED DATA REPORTING SYSTEM CANNOT LOGICALLY COVER ALL EVENTS AND ACTIONS THAT OCCUR DURING AN AIR DEFENSE EXERCISE. THEREFORE AN ATTEMPT WILL BE MADE TO PROVIDE THE ADDITIONAL INFORMATION WHICH IS BELIEVED TO BE PERTINENT TO THE UNDERSTANDING OF THE ACTIVITIES OF THE 32D AIR DIVISION DURING EXERCISE CRACKER JACK.

CONVERSATIONS HELD WITH DIVISION PERSONNEL AND OBSERVATIONS MADE PRIOR TO THE EXERCISE SHOWED THE EXISTENCE OF KEEN INTERESTS IN CRACKER JACK AND CONSCIENTIOUS TRAINING ACTIVITIES. PARTICULAR CONCERN WITH APPARENT OVER THE NUMEROUS INNOVATIONS THAT HAD BEEN INTRODUCED SO NEAR TO THE INITIATION DATA OF THE EXERCISE. A CONCERTED EFFORT WAS BEING MADE TO BECOME PROFICIENT IN THE NEW PROCEDURES THAT HAD BEEN PRESCRIBED. THE MOST NOTABLE SOURCE OF ANXIETY WAS THE NEW MASS RAID REPORTING SYSTEM. AS A RESULT, CONSIDERABLE EFFORT WAS DEVOTED TO THE PLOTTING OF CANNED TRACKS BY THIS TECHNIQUE. THE CHANGES IN THE LOCATION OF THE ADIZ AND THE NEW STATION DESIGNATORS WERE OTHER POINTS FOR CONCERN.

WHEN "COCKED PISTOL" WAS DECLARED, THE DIVISION PROCEEDED TO THE ALERTED CONDITION IN AN ORDERLY MANNER. FIGHTER SQUADRONS WERE ORDERED TO BRING ALL AVAILABLE AIRCRAFT TO 5-MINUTE ALERT. IN GENERAL THIS WAS ACCOMPLISHED RAPIDLY, BEING AIDED BY THE COMMANDING GENERAL'S ORDER ON THE MORNING OF 5 DECEMBER (LOCAL TIME) TO BRING ALL AIRCRAFT UP TO 1-HOUR BACK-UP. AFTER HAVING

0253

C O P Y

SECRET

C O P Y

GOTTEN THE SQUADRONS UP TO FULL ALERT, THE COMMANDER ORDERED THE SQUADRONS TO DISTRIBUTE THE CREWS ON A 25, 25 AND 50% BASIS BETWEEN 5-, 15- AND 30-MINUTE STATUS. THIS WAS ALSO DONE DURING THOSE PERIODS OF THE EXERCISE WHEN AIR BATTLES WERE NOT IMMINENT.

DURING THE HEIGHT OF THE ACTIVITY OF THE TWO RAIDS, THE DEFENSES OF THE DIVISION BECAME SATURATED AND CONSIDERABLE CONFUSION DEVELOPED. FROM AN OBSERVATION POINT IN THE COC THE MANIFESTATION OF THIS COULD BE SEEN IN THE SCARCITY OF LATERALLY TOLD TRACKS AND IN THE GENERATION OF MANY SHORT LENGTH TRACKS. IT WAS THE OPINION OF THE STAFF THAT THIS WAS DUE TO THE IMPRACTICALITY OF THE RAID MASSING TECHNIQUE THAT HAD BEEN PRESCRIBED. THE CONDITIONS BECAME SUFFICIENTLY SERIOUS THAT THE ACW SITES WERE ORDERED TO USE THE FORMER TRACK TELLING PROCEDURE. THIS PROBLEM OF TRACKING AND FORWARD TELLING IS PARTICULARLY SERIOUS IN THE 32D AIR DIVISION DUE TO THE GREAT NUMBER OF FRIENDLY AIRCRAFT IN IT'S AREA. (IN AN ACTUAL EMERGENCY WITH SCATER BEING EMPLOYED THIS PROBLEM WOULD BE REDUCED.)

A SECOND AREA IN WHICH CONFUSION DEVELOPED WAS IN THE PLOTTING OF TACTICAL ACTION ON THE "TACTICAL TOTE BOARD". IN ORDER TO PROVIDE THE COMMANDING GENERAL WITH ADEQUATE TRACK DATA, IT BECAME NECESSARY TO PLOT PORTIONS OF THIS INFORMATION ON THE SURVEILLANCE BOARD. IN MANY CASES TACTICAL ACTION HAD TO BE ACQUIRED BY MEANS OF NUMEROUS PHONE CALLS TO THE FIGHTER SQUADRONS.

THE SECOND MAJOR AREA IN WHICH THE SYSTEM SATURATION BECAME APPARENT WAS IN THE COMMUNICATIONS CHANNELS. DIFFICULTIES WERE

2

SECRET

56-076

0254

COPY

COPY

~~SECRET~~

ENCOUNTERED BOTH IN THE LAND LINES BETWEEN UNITS AND WITH THE RADIO CHANNELS BETWEEN THE DIRECTORS AND FIGHTERS. THE OVERLOADING OF THE LAND LINES RESULTED FROM THE NEED FOR SHARING OF LINES BETWEEN COMMAND, INTELLIGENCE AND ECM FUNCTIONS. IT MUST BE POINTED OUT THAT DURING PERIODS OF ACTUAL EMERGENCIES UNCODED MESSAGES CAN BE USED, THUS REDUCING THE LOAD ON CRYPTOGRAPHIC ACTIVITIES, THE CHIEF AREA OF OVERLOADING. SATURATION OF THE UHF RADIO CHANNELS WAS THE CONSEQUENCE OF THE PRESENT CONCEPT OF AIR BATTLES THAT PLACES A LARGE NUMBER OF FIGHTERS IN RELATIVELY SMALL AREAS. THE MOST SEVERE CASE OF OVERLOADING OF THE RADIO CHANNELS WAS DUE TO A TYPOGRAPHICAL ERROR IN AN ORDER, WHICH RESULTED IN THE ASSIGNMENT OF THE SAME PRIMARY DIRECTION CHANNEL TO TWO ADJACENT FIGHTER SQUADRONS.

IT IS IMPORTANT TO NOTE THAT NO FAILURES OF THE COMMUNICATIONS EQUIPMENT OCCURRED DURING THE COURSE OF THE EXERCISE. ALTHOUGH THE WEATHER WAS CONSIDERED POOR IN THE ENTIRE DIVISION AREA, NO ACTIONS WERE IMPEDED BY THE WEATHER. ONLY THE SQUADRONS AT PRESQUE ISLE, MAINE, WERE KEPT GROUNDED, THIS BEING DUE TO A DANGEROUS RUNWAY CONDITION. HOWEVER, ACTION WAS UNDERTAKEN TO ELIMINATE THIS DIFFICULTY.

IT SHOULD BE STATED THAT IN SPITE OF THE VARIOUS ADVERSE CONDITIONS DICTATED BY THE EXERCISE, NO ACCIDENTS OCCURRED WITHIN THE DIVISION, NOR WERE THERE ANY INSTANCES OF FIGHTERS BEING FORCED TO BE RECOVERED AT AN ALTERNATE BASE.

THE FOLLOWING ADDITIONAL POINTS BEAR MENTIONING. IT WAS

~~SECRET~~

56-076

0255

COPY

SECRET

LEARNED THAT FULL USE COULD NOT BE MADE OF THE ANTI-AIRCRAFT UNITS WITHIN THE DIVISION DUE TO THE TENDENCY TO CLASSIFY TRACKS UNKNOWN RATHER THAN FAKERS. THUS TARGETS WERE DENIED THE AA UNITS SINCE ACTION CAN BE TAKEN ONLY AGAINST FAKERS OR HOSTILE TRACKS.

A FALSE APPLEJACK WAS GENERATED BY AN AEW&C AIRCRAFT RETURNING TO BASE. AS IT DEVELOPED, THIS ACTION PRECEDED AN ACTUAL FAKER RAID BY A MATTER OF MINUTES. (IT WAS LATER SUGGESTED THAT THE AEW&C AIRCRAFT KEEP ITS RADAR OPERATIVE UNTIL THE TIME IT LANDS, THUS PROVIDING ADDITIONAL EARLY WARNING IN AREAS THAT MAY NOT BE COVERED BY OTHER SOURCES OF DETECTION.)

NO USE OF AUGMENTATION FORCES COULD BE MADE DUE TO THE NATURE OF THE EXERCISE. (THIS SUGGESTED A POSSIBLE NEED FOR A RECONSIDERATION OF THE AUGMENTATION CONCEPT.)

IMMEDIATELY FOLLOWING THE EXERCISE THE STAFF OF THIS DIVISION BEGAN TO MAKE CONSTRUCTIVE USE OF THE LESSONS LEARNED FROM CRACKER JACK.

/s/ W. J. WEBER
/t/ W. J. WEBER

SECRET

56-076

0256

COPY

COPY

HQ 32D AD(D) SYR AFS, SYR, NY

SECRET
SECRET

02/2200Z DEC 55

GROUP "TA" CRACKERJACK

PRIORITY

X

/SECRET/ACFOOT-FO 12043 PD ADXCRACKERJACK PD REF JOINT THREE
TWO AD OPORD FIVE ZERO ONE DASH FIVE FIVE PD THIS MSG IN THREE
PARTS PD PART ONE DAY FTR AUG ACFT AND CREWS WILL BE PLACED ON
SIXTY MIN BACK DASH UP FR THIRTY MIN AFTER SUNSET UNTIL THIRTY
MIN BEFORE SUNRISE PD APPRO ACWRONS WILL NOTIFY AUG FTR UNITS
ONE AND ONE HALF HRS PRIOR TO SUNRISE OF THE STATUS TO BE
ASSUMED THIRTY MIN PRIOR TO SUNRISE PD AUG UNIT WILL MONITOR
COMMUNICATIONS WITH APPROF ACWRON TWO FOUR HRS PER DAY PD PART
TWO GUN BEARING FTRS WILL CARRY COMBAT LOAD OF API AMMO ON ALL
CRACKERJACK MSNS PD FTRS NOT EQUIPPED WITH PNEUMATIC GUN
CHARGERS WILL BE ARMED PRIOR TO ASSUMING READINESS PD PART THREE

287
SECRET 55/4239

0257

SECRET

PD AIR TO AIR AND AIR TO GRD AUIEN WILL BE ACCOMPLISHED IN ACCORD
WITH AFSAL FIVE ONE ZERO FOUR AND ACP ONE FIVE SIX SLASH ONE FIVE
EIGHT PD ALL INFORMED PD

SECRET

.2 .2

GEORGE F. DECKERT, JR, MAJOR, USAF WILLIAM M. SHELTON, LTJOL, USAF

02/2100Z DEC 55 Actg D/OOT 111 Actg ODO/142 55-4299

0258

COPY

CONFIDENTIAL

COPY

NAVY DEPUTY
32D JOINT AIR DEFENSE DIVISION
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

2 DECEMBER 1955

FROM: NAVY DEPUTY, 32D JOINT AIR DEFENSE DIVISION
TO: COMMANDER NAVAL FORCES
EASTERN CONTINENTAL AIR DEFENSE FORCE

SUBJ: SUMMARY OF ACTIVITIES FOR PERIOD ENDING 30 NOVEMBER 1955

1. EVENTS:

- A. 4 Nov 1955 - LIAISON VISIT TO NAS, NIAGARA FALLS, NEW YORK.
- B. 10 Nov 1955 - CONFERENCE OF AIR AUGMENTATION COMMANDING OFFICERS AND OPERATIONS OFFICERS AT THIS HEADQUARTERS.
- C. 17-18 Nov 1955 - CONFERENCE OF ALL 32D AIR DIVISION COMMANDERS AT THIS HEADQUARTERS.
- D. 19 Nov 1955 - AIR DEFENSE BRIEFING FOR NAVAL RESERVE PILOTS AT NAS, NIAGARA FALLS, N. Y.
- E. 28-30 Nov 1955 - VISIT TO NEW YORK CITY.

2. SCHEDULED EVENTS:

- A. 1 Dec 1955 - STARTING THIS DATE ON ONE HOUR ALERT UNTIL THE END OF EXERCISE "CRACKER JACK".
- B. 7 Dec 1955 - PRESENTATION ON NAVY PARTICIPATION IN AIR DEFENSE FOR STATE GOC COORDINATORS AT GRENIER AIR FORCE BASE, NEW HAMPSHIRE.

3. COMMENTS:

A. BOTH NAVAL RESERVE AIR STATIONS AT NIAGARA FALLS, NEW YORK AND SOUTH WEYMOUTH, MASS. HAVE MADE PLANS TO PARTICIPATE IN EXERCISE "CRACKER JACK". PILOTS WHO LIVE IN THE LOCAL AREAS HAVE BEEN EAR-MARKED FOR RECALL; RECALL SYSTEMS HAVE BEEN EXERCISED; CALL SIGNS FOR TACTICAL CHANNELS HAVE BEEN ESTABLISHED AND PILOTS HAVE BEEN RE-BRIEFED IN AIR DEFENSE PROCEDURES. WEATHER MINIMUMS AT EACH STATION HAVE BEEN ESTABLISHED AND PLANS HAVE BEEN MADE TO BRING RESERVE UNITS THROUGH ALL STAGES OF READINESS AND STATUS SIMILAR TO THOSE USED BY ACTIVE AIR DEFENSE UNITS.

CONFIDENTIAL

2356-55

0259

C O P Y

CONFIDENTIAL

C O P Y

NAVY DEPUTY, 32D ADD SUBJECT: SUMMARY OF ACTIVITIES FOR PERIOD
ENDING 30 NOVEMBER 1955

B. THE AIR AUGMENTATION COMMANDERS CONFERENCE WAS WELL ATTENDED BY NAVY AND MARINE CORPS PERSONNEL. BOTH COMMANDING OFFICERS FROM THE NAVAL AIR STATIONS WERE PRESENT WITH THEIR OPERATIONS AND TRAINING PERSONNEL. PLANS FOR THE ESTABLISHMENT OF, AND PARTICIPATION IN, A ONCE-A-MONTH WEEKEND AIR DEFENSE EXERCISE WERE AGREED UPON. THIS EXERCISE WILL PROVIDE THE OPPORTUNITY FOR ALL AUGMENTATION FORCES INCLUDING NAVAL AND MARINE RESERVE AND NATIONAL GUARD UNITS, TO PERFORM AIR DEFENSE TRAINING AT LEAST ONCE A MONTH. A BRIEFING ON THE SAGES SYSTEM WAS GIVEN AND ITS RELATION TO AUGMENTATION EMPLOYMENT WAS EXPLAINED.

C. AN ENGINEERED LINE FROM P-10 AT NORTH TUBRO, MASS, TO NAS, SOUTH WEYMOUTH, MASS. HAS IN FACT BEEN AN UNAUTHORIZED FRT LINE FOR SOME TIME. EADF DIRECTED THAT THIS LINE BE RETURNED TO AN ENGINEER STATUS, HOWEVER THIS OFFICE HAS REQUESTED THAT THE C&E SECTION AT THIS HEADQUARTERS, LEAVE THIS LINE ACTIVE UNTIL A PROPOSED TOLL-TERMINAL LINE IS INSTALLED. THE RETURN OF THIS LINE TO AN ENGINEER STATUS WOULD RESULT IN A SHARP REDUCTION IN THE AMOUNT OF AIR DEFENSE SYSTEMS TRAINING BY NAS, SOUTH WEYMOUTH. THE PROPOSED TOLL-TERMINAL LINE WILL PROVIDE IMMEDIATE COMMUNICATIONS ECONOMICALLY ON AN AS-NEEDED BASIS.

D. THE AIR DEFENSE BRIEFING FOR OVER 50 NAVAL RESERVE PILOTS WAS WELL RECEIVED AT NAS, NIAGARA FALLS. THE DIVISION INTELLIGENCE OFFICER GAVE AN EXCELLENT BRIEFING FOR MOTIVATION PURPOSES. THIS WAS FOLLOWED BY PRESENTATIONS BY THE NAVY DEPUTY, THE OPERATIONS OFFICER OF THE AC&W SQUADRON AND THE OPERATIONS OFFICER OF THE 47TH FIS.

E. THERE HAS RECENTLY BEEN A SERIES OF ADIZ INCIDENTS INVOLVING NAVY PATROL AIRCRAFT FLYING OUT OF NAS, QUONSET POINT AND NAS, BRUNSWICK. THE OPERATIONS OFFICER OF FLEET AIR WING THREE WAS CONTACTED AND A REFRESHER BRIEFING ON AIR DEFENSE REQUIREMENTS HAS BEEN SCHEDULED FOR THE PATROL SQUADRONS INVOLVED.

F. CONSIDERABLE DIFFICULTY HAS BEEN EXPERIENCED IN CONTACTING FIRST NAVAL DISTRICT ON THE MACW BACK-UP LINE. AN INVESTIGATION HAS REVEALED LACK OF EXPERIENCE IN THE USE OF THIS LINE BY FIRST NAVAL DISTRICT PERSONNEL, BOSTON LONG DISTANCE OPERATORS, SYRACUSE LONG DISTANCE OPERATORS AND DIVISION PERSONNEL. THIS EXPERIENCE HAS REVEALED A REQUIREMENT TO TEST THE CIRCUITS PERIODICALLY TO FAMILIARIZE PERSONNEL INVOLVED IN THE USE OF THIS LINE. THIS MATTER HAS BEEN TAKEN UP WITH THE DIVISION C&E PERSONNEL AND OFFICIALS OF THE TELEPHONE COMPANIES.

CONFIDENTIAL

/s/ B. SEVILLA

COPY TO: NAVY DEPUTY, 26TH AIR DIVISION
NAVY DEPUTY, 30TH AIR DIVISION

0260

2356-55

COPY

COPY

CONFIDENTIAL

NAVY DEPUTY
32D JOINT AIR DEFENSE DIVISION
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

4 JANUARY 1956

FROM: NAVY DEPUTY, 32D JOINT AIR DEFENSE DIVISION
TO: COMMANDER NAVAL FORCES
EASTERN CONTINENTAL AIR DEFENSE FORCE

SUBJ: SUMMARY OF ACTIVITIES FOR PERIOD ENDING 31 DECEMBER 1955

1. EVENTS:

- A. 5-6 DECEMBER 1955 - EXERCISE "CRACKER JACK".
- B. 19 DECEMBER 1955 - ANALYST CRITIQUE ON EXERCISE "CRACKER JACK".
- C. 20 DECEMBER 1955 - DIVISION CRITIQUE ON EXERCISE "CRACKER JACK".
- D. 27-31 DECEMBER 1955 - ON LEAVE.

2. SCHEDULED EVENTS:

- A. 6 JANUARY 1956 - VISIT BY GENERALS PARTRIDGE AND HARBOLD.
- B. 11 JANUARY 1956 - VISIT TO NAS NIAGARA FALLS, N.Y.
- C. 18 JANUARY 1956 - VISIT TO NAS SOUTH WEYMOUTH, MASS.
- D. 25 JANUARY 1956 - VISIT TO NAS BRUNSWICK, MAINE.

3. COMMENTS:

A. EXERCISE CRACKER JACK - BOTH NAS SOUTH WEYMOUTH AND NAS NIAGARA FALLS RECALLED LOCALLY AVAILABLE RESERVE PILOTS FOR PARTICIPATION IN EXERCISE CRACKER JACK ON THE NIGHT OF 5 DECEMBER 1955. BOTH UNITS WERE PLACED ON ONE HOUR STANDBY THROUGHOUT THE NIGHT. NAS NIAGARA HELD FOUR F2H AIRCRAFT IN READINESS AND NAS SOUTH WEYMOUTH PROVIDED FOUR F9F-6 AIRCRAFT. ADDITIONAL AIRCRAFT WERE READIED DURING THE NIGHT IN ANTICIPATION OF EMPLOYMENT DURING THE DAYLIGHT HOURS ON 6 DECEMBER 1955.

CONFIDENTIAL

011-56

0261

COPY

COPY

NAVY DEPUTY, 32D ADD SUBJECT: SUMMARY OF ACTIVITIES FOR PERIOD
ENDING 31 DECEMBER 1955

COMMUNICATIONS WITH THE PICKET VESSELS ON STATIONS #12 AND #14 APPEARED TO BE NORMAL THROUGHOUT THE EXERCISE, HOWEVER THE NEWLY ASSIGNED SECONDARY SHORE STATIONS WERE UNABLE TO ESTABLISH CONTACT WITH THEIR RESPECTIVE PICKET VESSELS. THE FIRST TWO TRACKS OF THE EXERCISE WERE PICKED UP BY THE PICKET VESSEL ON STATION #14 BUT THESE WERE LATER IDENTIFIED AS FRIENDLY AND NOT DECLARED "FAKER" AIRCRAFT. ANALYSIS OF PICKET VESSEL TRACKS AFTER THE EXERCISE INDICATED THAT NO EARLY WARNING WAS PROVIDED BY THE PICKET VESSELS IN THIS DIVISION AREA, HOWEVER, IT IS BELIEVED THAT THIS WAS DUE TO THE NATURE AND DIRECTION OF THE ATTACKS ON THIS DIVISION RATHER THAN THRU LACK OF PERFORMANCE ON THEIR PART.

THE SHORT DURATION OF THIS EXERCISE HAD A VERY ADVERSE EFFECT ON THE MORALE AND ENTHUSIASM OF NAVAL RESERVE UNITS IN REGARD TO AIR DEFENSE TRAINING. CONSIDERABLE EFFORT WAS MADE PRIOR TO EXERCISE TO POINT OUT TO THE RESERVES THAT THIS WAS TO BE THE MAJOR EXERCISE OF THE YEAR, VAST IN SCOPE AND WITH A DEFINITE ROLE FOR THE RESERVE FORCES. ON THIS BASIS THE RESERVE UNITS COOPERATED IN ADVANCE PLANNING ENTHUSIASTICALLY AND REARRANGED THEIR SYLLABUS TRAINING IN ORDER TO ASSURE AVAILABILITY FOR THE EXERCISE.

THE PRECIPITATE CONCLUSION OF THE EXERCISE PRODUCED A GREAT DEAL OF DISAPPOINTMENT, ESPECIALLY AMONG THOSE PILOTS WHO HAD BEEN RECALLED FOR THE EXERCISE. ENTHUSIASM FOR PARTICIPATION IN AIR DEFENSE TRAINING AT THE EXPENSE OF SYLLABUS TRAINING HAS NEVER BEEN GREAT AMONG THE RESERVES AND FUTURE PARTICIPATION WILL BE PROPORTIONATELY HARDER TO OBTAIN. IT IS RECOMMENDED THAT IN PLANNING FUTURE EXERCISES THE PARTIES CONCERNED AGREE TO A MINIMUM EXERCISE DURATION, PREFERABLY NO LESS THAN 24 HOURS, DURING WHICH ALL UNITS WHICH HAVE BEEN ALERTED WILL HAVE A CHANCE TO BE EXERCISED.

B. THE DIVISION HAS SUSPENDED THE PROVIDING OF INTERCEPTOR AIRCRAFT FOR PICKET VESSEL CONTROL TRAINING UNTIL EITHER THE PICKET VESSELS ARE MOVED CLOSER IN OR THE WATER TEMPERATURE INCREASES. PREVIOUS TRAINING WITH THE PICKET VESSELS WAS CONDUCTED WITHIN 60 MILES OF THE SHORELINE. INTERCEPTOR PILOTS ARE EXTREMELY RELUCTANT TO FLY VERY FAR OUT OVER THE WATER DUE TO THE LACK OF EXPOSURE SUITS.

s/t/ B. SEVILLA

COPY TO: NAVY, DEPUTY, 26TH AIR DIVISION
NAVY DEPUTY, 30TH AIR DIVISION

2

CONFIDENTIAL

011-56

0262

COPY

654TH AIRCRAFT CONTROL AND WARNING SQUADRON
US NAVAL AIR STATION
BRUNSWICK, MAINE

9 DECEMBER 1955

SUBJECT: COOPERATION BY BRUNSWICK NAVAL AIR STATION

THRU: COMMANDER
4707TH AIR DEFENSE WING
OTIS AIR FORCE BASE, MASSACHUSETTS

TO: COMMANDER
32D AIR DIVISION
SYRACUSE AIR FORCE STATION
SYRACUSE, NEW YORK

1. DURING THE INITIAL PHASES OF "OPERATION CRACKER JACK" A CONTRACTOR WORKING ON AN AIR FORCE CONSTRUCTION PROJECT SEVERED THE MAIN UNDERGROUND POWER DISTRIBUTION LINE TO OUR COMMUNICATIONS FACILITIES. THE SCOPE OF THE REQUIRED REPAIR WAS BEYOND THE IMMEDIATE RESOURCES OF THE SQUADRON MAINTENANCE SECTION. A CALL WAS PLACED TO THE PUBLIC WORKS DEPARTMENT OF THE NAVAL AIR STATION FOR SUCH AID AS COULD BE GIVEN. ALTHOUGH A MAJOR SHARE OF THE PUBLIC WORKS DEPARTMENT PERSONNEL WERE ENGAGED IN PRIORITY SNOW REMOVAL AND HANDLING AN AIRCRAFT MISHAP, EMERGENCY GENERATORS AND MAINTENANCE PERSONNEL WERE IMMEDIATELY FURNISHED THE AIR FORCE TO ALLEVIATE THE POWER DIFFICULTY.

2. EXPEDITIOUS ACTION AT THIS TIME PRECLUDED AN EXTENDED OUTAGE OF THE AIR FORCE COMMUNICATIONS FACILITY, ENABLING THIS UNIT TO ONCE MORE BECOME EFFECTIVE IN FULFILLING ITS ASSIGNED MISSION DURING THE EXERCISE.

3. FURTHER, WHEN REQUESTED TO EXTEND THE MESSING HOURS BEYOND THE NORMAL PERIODS AND FURNISH ADDITIONAL MEALS, THE NAVY READILY AGREED ENABLING THE MANNING OF DEFENSE POSITIONS AND SCHEDULING OF OPERATIONAL RELIEFS.

4. WE EXTEND OUR SINCERE APPRECIATION FOR THESE SERVICES AND THE COOPERATIVE SPIRIT IN WHICH THEY WERE RENDERED.

INFO: COMDR US NAS BRUNSWICK,
MAINE

/s/ LESTER B. GOLDBERG
/t/ LESTER B. GOLDBERG
MAJOR, USAF
COMMANDER

0265

COPY

HQ 654TH ACWRON, SUBJECT: COOPERATION BY BRUNSWICK NAVAL AIR STATION

OOT-A (9 Dec 55)

1ST IND

HEADQUARTERS 32D AIR DIVISION (DEFENSE), SYRACUSE AIR FORCE STATION, SYRACUSE 6, NEW YORK

TO: COMMANDER, EASTERN AIR DEFENSE FORCE, STEWART AIR FORCE STATION, SYRACUSE 6, NEW YORK

I AM SURE THAT YOU WILL BE PLEASED TO NOTE THE EXCELLENT COOPERATION AND PROMPT ASSISTANCE RENDERED BY THE COMMANDER, BRUNSWICK NAVAL AIR STATION TO THE 654TH AC&W SQUADRON DURING THE RECENT EXERCISE "CRACKER JACK". WITHOUT THIS ASSISTANCE, THE 654TH AC&W SQUADRON WOULD HAVE BEEN OUT OF COMMISSION DURING EXERCISE "CRACKER JACK". INTER-SERVICE COOPERATION OF THIS TYPE IS OF PRIME IMPORTANCE IN THE CONDUCTING OF A SUCCESSFUL AIR DEFENSE SYSTEM.

INFO CY;

COMDR, NAVAL AIR BASE,
FIRST NAVAL DISTRICT
COMDR, NAVAL FORCES,
EASTERN CONTINENTAL AIR DEF FORCE
COMDR, BRUNSWICK NAS

/s/ ROBERT S. ISRAEL, JR
/t/ ROBERT S. ISRAEL, JR
BRIGADIER GENERAL, USAF
COMMANDER

C O P Y

C O P Y

28/2030Z Nov 55

CONFIDENTIAL

HQ 32D AD (D) SYR AFS SYR NY
COMDR
EADF, STEWART AFB, NEWBURGH, NY

ROUTINE

X
EADOT-UW 01526 CONFIDENTIAL

/CONFIDENTIAL/AUFIIS 1159. ATTN: OIS. JEADF CLASSIFIED MSG
EADOT-UW 01526, REVD THIS HQ 25 NOV, LISTS CHANGES TO CRACKER
JACK OPS ORDER. AMENDMENT NUMBER 6R INDICATES THAT THIS HQ
WILL BE AUTHORIZED TO MAKE LOCAL RELEASES ON OPERATION QUOTE
AFTER THE EXERCISE HAS BEEN DECLARED IN PROGRESS BY CONAD UNQUOTE.
PARA. THIS COULD MEAN TWO THINGS: ONE, AFTER THIS HQ RECEIVES
CONAD CONFIRMATION THROUGH MILITARY COMMUNICATIONS CHANNELS,
OR TWO, AFTER THIS HQ IS INFORMED THAT A WIRE SERVICE RELEASE
HAS BEEN MADE BY CONAD. PARA. THE TIME DIFFERENTIAL IN THESE
TWO INTERPRETATIONS COULD AMOUNT TO A FULL DAY. THEREFORE REQ,
ASAP, CLARIFICATION OF LOCAL RELEASE PROCEDURE.

CONFIDENTIAL 1 1

ELIZABETH E WARD A/2C USAF EVERITT W HOWE, MAJOR, USAF

115

293 ADJUTANT

2306-55

0265

COPY

COPY

05/2130Z Dec 55

SECRET

HQ 32D AD(D) SYR AFS SYR NY

PRIORITY

GROUP TA DISTRIBUTION "CRACKER JACK"

~~SECRET~~

BADIS 1565

SECRET

/SECRET/ACFOOT-A 12051 PD EXERCISE CRACKER JACK PD THE FOLG
MSG IS QUOTED FYI AND GUIDANCE PD QUOTE /SECRET/ECHO ALPHA DELTA
INDIA SIERRA ONE FIVE SIX FIVE PD REF ANNEX GOLF CMM OPORD FIVE
ZERO ONE DASH FIVE FIVE CMM QUOTE EXERCISE CRACKER JACK UNQUOTE
OPD FOLG INTERPRETATION IS FWDD FOR YOUR GUIDANCE CLN AFTER
EXERCISE IS DECLARED IN PROGRESS CMM PARTICIPATING UNITS MAY MAKE
LOCAL RELEASES OF A GENERAL NATURE PD THIS INCLUDES THE PICTORIAL
COVERAGE LISTED IN PARA TWO DELTA CMM UNQUOTE PD ALL INFORMED

~~SECRET~~

GEORGE F. DECKERT, MAJ, USAF

WM. M. SHELTON, LTJOL, USAF

05/1930Z Dec 55 D/OOT 111

050/142

55/4340

0266

C O P Y

COMDR, 32D AIR DIVISION (DEFENSE) SYRACUSE AFS, SYRACUSE, NEW YORK	30/	NOV 55	UNCLASSIFIED
COMDR, 4707TH ADW, OTIS AFB, MASS.	X	ROUTINE	X
COMDR, 4707TH ADW, PRESQUE ISLE AFB, ME.			X

/UNCLASSIFIED/ACFOIN: 1196. ATTN: INTEL OFFICER. REQ YOU
 NOTIFY ALL UNITS OF YOUR COMMAND THAT INTEL COMM SYSTEM ANALYSIS
 REPTS WILL BE REQUIRED FOR ADX CRACKER JACK. REPTS WILL BE
 SUBMITTED TO THIS HQ, ATTN: DIRECTOR OF INTEL, AS SOON AFTER
 TERMINATION OF ADX AS POSSIBLE./UNCLASSIFIED/

	UNCLASSIFIED	1	1
HAROLD HART, MAJOR, USAF	WILLIAM M. SHELTON, LTCOL, USAF		
OIN/BAA 30/1605Z Nov 55 104	DDO/142		

293/3

0267

COPY

COMDR, 32D AIR DIVISION (DEFENSE)
SYRACUSE AFS, SYRACUSE, NY

01/18462 DEC 55 UNCLASSIFIED

GROUP TB

X

ROUTINE
X

X

COMDR, 3707TH ADW, OTIS AFB, MASS

COMDR, 4711TH ADW, PRESQUE ISLE AFB, ME

/UNCLASSIFIED/ACFOIN: 12006. FOLLOWING PROCEDURES APPLY
DURING ADX CRACKER JACK. IF IFF IS TURNED ON BY FAKER ACFT
AFTER A STRIKE, TIME AND POSITION TURNED ON WILL BE FORWARDED
TO DIVISION INTEL VIA HOT LINE ASAP. /UNCLASSIFIED/

HAROLD HART, MAJOR, USAF

OIN/BAA 01/1516Z DEC 55 104

UNCLASSIFIED

1 1

WILLIAM M. SHELTON, LTCOL, USAF

DDO/142

0268

C O P Y

COMDR, 32D AIR DIVISION (DEFENSE) 01- 21352 DEC 55
SYRACUSE AFS, SYRACUSE, NY UNCLASSIFIED

COMDR, 27TH FIS, GRIFFISS AFB, ROME, NY ROUTINE X
COMDR, 4713TH RADAR EVAL FLIGHT, GRIFFISS AFB, ROME, NY X X
M

COMDR, 4707TH ADM, OTIS AFB, FALMOUTH, MASS

/UNCLASSIFIED/ACFOIN: 12011. ATTN: INTEL OFFICER. THIS MSG IN
THREE PARTS. PART 1: REF PHONE CALLS BETWEEN LT MC CORMICK,
THIS HQ; LT MENDES, 27TH FIS AND LT NELSON, 4713TH RADAR EVAL
FLIGHT. PART 2: INTEL OFFICER, 27TH FIS, WILL MAKE ARRANGEMENTS
TO FMD COPIES OF ALL INTEL MSG TO INTEL OFFICER, 4713TH RADAR
EVAL FLIGHT, DURING ADX "CRACKER JACK". PART 3: INTEL OFFICER,
4713TH RADAR EVAL FLIGHT, DURING ADX "CRACKER JACK". PART 3:
INTEL OFFICER, 4713TH RADAR EVAL FLIGHT, WILL MAKE ARRANGEMENTS
FOR FMD ALL INTEL HOT LINE MSG TO THIS HQ, ATTN: DIRECTOR OF
INTEL, THRU 27TH FIS FACILITIES. TMX MSG WILL BE SENT DIRECT
TO THIS HQ. /UNCLASSIFIED/

HAROLD HART, MAJOR, USAF

OIN/BAA 01/1713Z DEC 55 104

UNCLASSIFIED 1 1

WILLIAM M. SHELTON, LT COL, USAF

CD0/142

0269

C O P Y

COMDR, 32D AIR DIVISION (DEFENSE) 02/1655 DEC 55 UNCLASSIFIED
SYRACUSE AFS, SYRACUSE, NY

ROUTINE

COMDR, 27TH FIS, GRIFFISS AFB, ROME, NY X

COMDR, 4713TH RADAR EVAL FLIGHT, GRIFFISS AFB, ROME, NY X X

COMDR, 4707TH ADW, OTIS AFB, FALMOUTH,
MASS

/UNCLASSIFIED/ACTION: 12028. ATTN: INTEL OFFICER, REF MY MSG
ACFOIN: 12011. DISREGARD REFERENCED MSG. THIS HQ HAS RECEIVED
INFO THAT 4713TH RADAR EVAL FLIGHT WILL NOT PARTICIPATE IN ADX
CRACKER JACK. /UNCLASSIFIED/

UNCLASSIFIED 1 1

HAROLD PART, MAJOR, USAF

WILLIAM M. SHELTON, LTCOL, USAF

OIN/BAA 02/1610Z DEC 55 104

DDO/142

0270

COPY

COPY

32ND AIR DIVISION (DEF)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

03/1440Z

CONFIDENTIAL
DEC 55 CONFIDENTIAL
OPERATIONAL
IMMEDIATE

TA (CRACKERJACK)

X

CONFIDENTIAL/ACFOOT-A 1167

JEA00T/OS C/039
CONFIDENTIAL

EXERCISE CRACKERJACK PD THIS IS CHANGE NBR EIGHT TO THREE
TWO AIR DIV OPS ORD FIVE ZERO ONE DASH FIVE FIVE PD. DELETE
SENTENCE COLON IN EVENT AVAL FORCES PRECLUDE MANNING BOTH AOC
STAS COMMA FIRST PRIORITY WILL BE GIVEN TO MANNING AOC STA
FOUR ZERO DEGREES NORTH SIX ONE DASH THREE ZERO DEGREES WEST
AND SUBSTITUTE FOLLOW NG COLON IN EVENT AVAL FORCES PRECLUDE
MANNING BOTH AOC STAS COMMA FIRST PRIORITY W/B GIVEN TO MANNING
AOC STA FOUR ZERO DEGREES NORTH SIX ONE DASH THREE ZERO DEGREES
WEST COMMA SUNSET TO SUNRISE PD SEUND PRIORITY W/B GIVEN TO
MANNING AOC STA THREE EIGHT DEGREES NORTH SIX FOUR DEGREES
WEST FROM SUNSET TO SUNRISE PD THIRD PRIORITY W/B GIVEN TO
MANNING AOC STA FOUR ZERO DEGREES NORTH SIX ONE DASH THREE
ZERO DEGREES WEST FROM SUNRISE TO SUNSET.

CONFIDENTIAL 1 1

GEORGE F. DECKERT, MAJ, USAF

WM. M. SHELTON, LTCOL, USAF

03/1440Z DEC 55 D/OUT

CONFIDENTIAL

000/142

2355-55

0271

COPY

COPY

SECRET

HQ 32 AD(D) SYR AFS SYR NY 02/1700Z Dec 55

PRIORITY

COMDR DOW AFB, BANGOR, ME
COMDR 101ST FIW (ANG), BANGOR, ME X
COMDR 4711TH ADW, PQ1 AFB, PQ1, ME

X

X

/SECRET/ACFOPR 12025 PD THIS MSG IN SIX PARTS PD PART ONE CLN
CINCONAD HAS DIRECTED THAT DET ALFA DASH ONE OMA THREE FIVE FIVE
ZERO OCTW BE DEPLOYED TO DOW AFB IN SUPPORT OF CONAD OPLAN FOUR
DASH FIVE FIVE PD THIS CHG IS EFFECTIVE UPON RECEIPT PD PART
TWO CLN SUPPORT REQUIREMENT ARE CONTAINED IN CONAD OPLAN FOUR
DASH FIVE FIVE PD PART THREE CLN IT IS ANTICIPATED THAT SUCH
DEPLOYMENT MAY BE ORDERED DURING THE AIR DEFENSE MISSION PAREN
CRACKERJACK PAREN PD PART FOUR CLN REQ THE COMM FACILITIES
BEING USED BY ONE ZERO ONE FIW PAREN ANG PAREN BE MADE AVAIL-
ABLE TO DET ALFA DASH ONE UPON ARRIVAL AT DOW PD PART FIVE CLN
FOR COMDR FOUR SEVEN ONE ONE ADW OMA REQUEST YOU BE

SECRET

554294

1 2

0272

COPY

COPY

SECRET

PREPARED TO PLACE A FIGHTER LIAISON OFFICER AT DOW FOR THE
PURPOSE OF LENDING ASSISTANCE TO DET ALFA DASH ONE IN THE EVENT
OF THEIR DEPLOYMENT BD REQ THIS HQ BE ADVISED OF OFFICER DESIGNATED
PD PART SIX CLN FOR COMDR ONE ZERO ONE FIW PAREN ANG REQ YOU
GIVE ALL ASSISTANCE POSSIBLE IN SUPPORT OF THIS DEPLOYMENT PD

V. K. YEHLE, MAJOR, USAF

WILLIAM W. SHELTON, LT. COL.

OPR/1230Z 2 DEC 55

092

ODD/142

554284

2 2

0273

C O P Y

C O P Y

HQ 32D AD(D) SYR AFS SYR NY 05/2030Z Dec 55

CONFIDENTIAL

TA DISTRIBUTION "CRACKER JACK" PRIORITY

X

JEA00T-05 C-038 CONFIDENTIAL

/CONFIDENTIAL/ACFOOT-A 12049 PD EXERCISE CRACKER JACK PD
THIS IS CHANGE NBR NINE TO FREE TWO AIR DIV OPORD FIVE ZERO ONE
DASH FIVE FIVE PD REF ANNEX METRO PARA KILO CMM ADD CLN VOICE
CALL FOR ALPHA ECHO WHISKEY COCOA STA ASSIGNED LETTER IDENTIFIER
ZULU ALPHA WILL BE SENIOR ALPHA PD VOICE CALL FOR ALPHA ECHO
WHISKEY COCOA STA ASSIGNED LETTER IDENTIFIER ZULU BRAVO WILL BE
SENIOR BRAVO PD EXERCISE CRACKER JAC PD ALL INFORMED

CONFIDENTIAL 1 1

GEORGE F. DECKERT, MAJ, USAF WM. M. SHELTON, LT&OL, USAF

05/1520Z Dec 55 D/OOT 111

ODO/142

2357-55

0274

C O P Y

HQ 32D AD(D) SYRACUSE AF STA SYRACUSE NY 8/18302 (UNCLASSIFIED)
PRIORITY

- CMJRS: 4707TH DEF WG OTIS AFB FALMOUTH MASS X
- 4711TH DEF WG PRESQUE ISLE AFB PRESQUE ISLE ME X
- 27TH FTR INTCP SQ GRIFFISS AFB ROME NY
- 37TH FTR INTCP SQ BURLINGTON VT
- 47TH FTR INTCP SQ NIAGARA FALLS NY
- 49TH FTR INTCP SQ DCW AFB BANGOR ME
- 58TH FTR INTCP SQ OTIS AFB FALMOUTH MASS
- 60TH FTR INTCP SQ WESTOVER AFB MASS
- 74TH FTR INTCP SQ PRESQUE ISLE AFB PRESQUE ISLE ME
- 437TH FTR INTCP SQ OTIS AFB FALMOUTH MASS
- 654TH AC&W SQ BRUNSWICK ME
- 655TH AC&W SQ WATERTOWN NY
- 656TH AC&W SQ SARATOGA SPRINGS NY
- 762D AC&W SQ NORTH TRURO MASS
- 763D AC&W SQ LOCKPORT NY
- 764TH AC&W SQ ST ALBANS VT
- 765TH AC&W SQ CHARLESTON ME
- 766TH AC&W SQ CASWELL ME
- 2D AAA GROUP
- FORT NIAGARA YOUNGSTOWN, NY
- 15TH AAA GROUP
- FORT BANKS, WINTHROP MASS
- 548TH AAA BATTALION LORING AFB, ME

/UNCLASSIFIED/ ACFOCE 12075 IN ACCORDANCE WITH 32D
 AIR DIV OPR ORDER NR 501-55 AND CONAD REG 101-1 ECM OFF
 WILL COORDINATE WITH THE OPR SEC AND SUBMIT BRIEF NARRATIVE
 REPT BY TWX OR LTR ON ECM ACTIVITY AND ECCM EFFECTIVENESS
 THROUGHOUT EXERCISE CRACKER-JACK TO THIS HQ AS SOON AS POSSIBLE

293/10
 1 3

0275

C O P Y

HQ 32D AD(D) SYRACUSE AF STA SYRACUSE NY

UNCLASSIFIED
PRIORITY

X

X

AND NOT LATER THAN 13 DEC 55. INFO WILL BE CLASSIFIED
SEC UNLESS SUBMITTING A REQUIRED NEG REPT. FORM 31 AND AVAILABLE
SCOPE PHOTOS WILL BE SUBMITTED WITH THE ABOVE INFO. DESIRED INFO
SHOULD CONTAIN THE EFFECTS OF ELECT MECH, COMM JAMMING, OPA
COMBINATION OF ANY OF THE ABOVE, NR OF ECM TRACKS TO NON-ECM
TRACKS, WHAT BEAMS (INCLUDING HEIGHT FINDER) WERE AFFECTED AND
TO WHAT DEGREE, PROBLEMS INVOLVING IN ECM REPTING, EFFECTIVENESS
OF ANTI-JAMMING CIRCUITS, AND ANY OTHER RELEVANT INFO THAT MIGHT
BE OF VALUE FOR ANALYSIS SHOULD BE INCLUDED. FIGHTER SQUADRON
ECM OFFS SHOULD INCLUDE IN REPT: NR OF FLIGHTS OR INTERCEPTS
THAT ENCOUNTERED ECM TO THE FLIGHTS THAT DID NOT, NR OF LOCK-
ONS TO THE NR OF BROKEN-LOCKS, EVASIVE TACTICS EMPLOYED BY
ATTACK AC&W CONTROLLER CONTACT WITH FTR AND THE RESULTS OF THESE
UNDER ECM CONDITIONS.

UNCLASSIFIED

2

3

0 2 7 6

C O P Y

UNCLASSIFIED

HQ 32D AD(D) SYRACUSE AF STA SYRACUSE NY PRIORITY

X

X

AAA GROUPS OR UNITS ARE REQD TO FWD ECM AND ECCM INFO AND
FORM 187'S PERTINENT TO AAA RADAR SYSTEMS DURING THIS EXERCISE.
RECOMMENDATIONS AND SUGGESTIONS ARE ENCOURAGED IN THIS REPT FOR
RESOLVING DIFFICULTIES IMPEDING TNG MISSION.

UNCLASSIFIED 3 3

PETER L. REY, 1ST LT, USAF

LESLIE C. HEARTZ, COLONEL, USA

ACFOCE

070

DIRECTOR COMM & ELECT

0277

COPY

COPY

SECRET

13/1425Z Dec 55

SECRET

HQ 32D AD(D) SYR AFS SYR NY
GROUP "TA"

OPS IMMEDIATE

X

CINC SAC, OFFITT AFB, OMAHA, NEB

/SECRET/ACFOOT-A 12101 PD EXERCISE CRACKER JACK PD REF ANNEX
JULIETT THREE TWO AIR DIV OPORD FIVE ZERO ONE DASH FIVE FIVE PD
ONE ADDL COPY OF THE FOLG FORMS PERTAINING TO THE EXERCISE WILL BE
FWDD DIR TO THE CINC SAC CMM OFFITT AFB CMM OMAHA CMM NEBRASKA CMM
ATTN CLN OPS ANALYSIS IMMEDIATELY CLN CONAD FORM FIVE CMM ADC FORM
FOUR ALPHA ON ALL CLAIMED POUNCES CMM CONAD FORM FOUR CMM ADC FORMS
TWO ONE AND EIGHT SIX PD ALSO CINCSAC WILL BE PROVIDED WITH COPIES
OF GRAPHIC RECONSTRUCTIONS OF FAKER TRACKS FROM EACH RADAR SITE
PREPARING SUCH FORMS PD FORMS TO BE FWDD TO ARR NLT ONE SIX DEC
FIVE FIVE PD ALL INFORMED

SECRET

1 293/11

GEORGE F. DECKERT, MAJ, USAF

WM. M. SHELTON, LTJOL, USAF

13/1340Z Dec 55 D/OOT 111

ODO/142

554481

0278

COPY

COPY

SECRET
HEADQUARTERS
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

OOT-A

20 Dec 1955

SUBJECT: (U) WEATHER EFFECTS AND WEATHER SUPPORT DURING EXERCISE
"CRACKER JACK"

TO: COMMANDER
AIR DEFENSE COMMAND
ATTN: STAFF WEATHER OFFICER
ENT AIR FORCE BASE
COLORADO SPRINGS, COLORADO

1. REFERENCE LETTER YOUR HEADQUARTERS, SUBJECT AS ABOVE, FILE
ADOWX, THE FOLLOWING INFORMATION IS SUBMITTED:

A. NO DIVISION AIRCRAFT WERE MOVED TO OTHER BASES BECAUSE
OF WEATHER CONDITIONS. HOWEVER, AUGMENTATION AIRCRAFT SCHEDULED
INTO DOW AIR FORCE BASE FROM MOODY WERE DIVERTED BECAUSE OF WEATHER
AND RUNWAY CONDITIONS. INITIAL PLANS WERE TO DIVERT THESE AIRCRAFT
TO GRIFFISS AIR FORCE BASE, BUT PRIOR TO ARRIVAL THEY WERE MADE
AVAILABLE TO THE 26TH AIR DIVISION. WEATHER CONDITIONS WERE AS
FORECAST.

B. THE CONTROLLER HAS READY ACCESS TO WEATHER INFORMATION.
THIS CONSISTS OF A VISUAL DISPLAY OF THE LATEST TERMINAL CONDITIONS,
OF FIGHTER AND RECOVERY BASES IN ADDITION AND MET WATCH FORECASTER
IS LOCATED NEXT TO THE SENIOR CONTROLLER.

C. NO DECREASE IN EFFECTIVENESS OF OUR OPERATIONS WAS
EXPERIENCED DUE TO INCORRECT WEATHER FORECASTS.

D. NO ALTERNATE BASES WERE USED TO RECOVER FIGHTERS.

E. NEGATIVE.

F. NEGATIVE. SAME AS "D" ABOVE.

G. THE WEATHER SUPPORT PROVIDED DURING THIS EXERCISE WAS
CONSIDERED EXCELLENT. QUALIFIED FORECASTERS WERE READILY AVAILABLE
AT ALL TIMES TO THE DIVISION COMMANDER AND CONTROLLERS. WEATHER
INFORMATION WAS TIMELY AND ACCURATE ENOUGH TO MAKE TACTICAL DECISIONS.
WEATHER CONDITIONS OVER THE CENTRAL AND WESTERN DIVISION AREA WAS
MARGINAL THROUGHOUT THE EXERCISE AND FORECASEED TO REMAIN THAT WAY.

SECRET

55-4561

0279

COPY

SECRET

COPY

HQ 320 AD(D) OOT-A SUBJECT: (U) WEATHER EFFECTS AND WEATHER SUPPORT
DURING EXERCISE "CRACKER JACK" (CONT'D)

THE MARGINAL ASPECT WAS DUE TO REDUCED VISIBILITIES AND LOWERING
CEILINGS AS A RESULT OF A SNOW SHOWERS. EXTREME CAUTION HAS TO BE
EXERCISED SINCE SAFE ALTERNATES WERE OFTEN NOT AVAILABLE.

H. NO REPORT WAS RECEIVED AT THIS HEADQUARTERS THAT
WEATHER CONDITIONS EFFECTED SUPPORT AND MAINTENANCE CAPABILITIES.

2. THIS CORRESPONDENCE IS CLASSIFIED SECRET IN ACCORDANCE
WITH ANNEX H, USAF OPERATIONS ORDER 501-55.

FOR THE COMMANDER:

INFO BY:
COMDR. EADF

/S/ EVERITT W. HOWE
/T/ EVERITT W. HOWE
MAJOR, USAF
ADJUTANT

SECRET

2

55-4561

0280

CCPY

SECRET

COPY

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

OOT

29 Dec 1955

SUBJECT: COMMENTS ON CRACKER JACK CRITIQUE AGENDA ITEMS

TO: COMMANDER
EASTERN AIR DEFENSE FORCE
STEWART AIR FORCE BASE
NEWBURGH, NEW YORK

1. THIS LETTER CONTAINS COMMENTS ON AGENDA ITEMS TO BE DISCUSSED AT THE CONAD CRITIQUE OF EXERCISE "CRACKER JACK". THERE ARE NO ADDITIONAL AGENDA ITEMS RECOMMENDED.

2. REFERENCES PERTAIN TO SPECIFIC PARAGRAPHS IN YOUR CONFIDENTIAL MESSAGE EA00T-T C-1640, 19 DECEMBER 1955. WHERE SPECIFIC PARAGRAPHS ARE NOT REFERENCED, NO COMMENT IS SUBMITTED.

A. COMMENTS

(1) REFERENCE PARAGRAPH 1.A.(1)

(A) STRATEGIC WARNING - SATISFACTORY.

(B) SUPPLEMENTARY - VERY GOOD. HOWEVER, THE METHOD OF COMMUNICATION MAY BE IMPROVED IF THE DETACHMENTS WOULD TWX THEIR INFORMATION TO DEFENSE FORCE S60 WHERE IT COULD BE ANALYZED AND PASSED TO THE DIVISION S50. THE PRESENT METHOD AS OUTLINED IN USAFSS OPLAN 12-55 RESULTED IN CLOGGING OF DETACHMENT AND DIVISION S50 COMMUNICATION LINES AND DELAYED IN GETTING INFORMATION TO THE COMMANDER.

(C) CLOSE SUPPORT - NO CLOSE SUPPORT WAS RECEIVED AT THIS DIVISION DURING EXERCISE "CRACKER JACK" REASON UNKNOWN.

SECRET

295
55-4619

0281

COPY

SECRET

COPY

HQ 32D AD(D), OOT, SUBJ: COMMENTS ON "CRACKER JACK" CRITIQUE AGENDA
ITEMS

(2) REFERENCE PARAGRAPH 1.A.(2)

- (A) NO REPORTS RECEIVED DIRECTLY FROM NEAC.
- (B) EARLY WARNING REPORTS WERE RECEIVED FROM THE ROAF ON THE FIRST RAID PENETRATING FROM THE NORTH AND ON THE FIRST RAID PENETRATING FROM THE EAST.
- (C) CONAD REPORTING WAS SATISFACTORY. UNDUE DELAY IN TRANSMISSION RESULTED FROM RELYING ON CLASSIFIED TWX.

(3) REFERENCE PARAGRAPH 1.B(1)

STATIONS WERE MANNED NORMALLY AND OPERATING NORMALLY BUT PROVIDED NO EARLY WARNING FOR THIS SECTOR, PRIMARILY DUE TO THE FACT THAT THERE WERE NO FAKER FORCES IN THE AREA.

(4) REFERENCE PARAGRAPH 1.B(2)

REQUEST AEW&C AIRCRAFT LEAVE THEIR RADAR OPERATIONAL GOING TO AND FROM STATION. THE AIRCRAFT CAN THUS CONTINUE TO FURNISH SURVEILLANCE INFORMATION TO THE SYSTEM.

(5) REFERENCE PARAGRAPH 1.B(4) AND (5)

RECOMMEND THAT EARLY WARNING BE REPORTED IN FOUR-LETTER GEOREF DESIGNATORS INSTEAD OF TWO. THIS WILL PERMIT FASTER DISPLAY OF EW INFORMATION AT ADCC.

(6) REFERENCE PARAGRAPH 2A

MOBILE RADAR EQUIPMENT NEED WAS ANTICIPATED AND CONSIDERED DESIRABLE, BUT WAS NOT AVAILABLE DURING EXERCISE CRACKER JACK.

(7) REFERENCE PARAGRAPH 2C

USAF ANALYSTS FIGURES SHOW A TOTAL OF 721 TRACKS ESTABLISHED DURING THE PERIOD OF THE EXERCISE.

SECRET

55-4619

0282

COPY

SECRET

COPY

Hq 32D AD(D), OOT, SUBJ: COMMENTS ON "CRACKER JACK" CRITIQUE AGENDA
ITEMS

(8) REFERENCE PARAGRAPH 2 D AND E.

USAF ANALYSTS' FIGURES SHOW A TOTAL OF 133 UNKNOWN AND FAKER TRACKS ESTABLISHED. SINCE NO INFORMED SAC OBSERVERS WERE PRESENT, DELAYS WERE EXPERIENCED IN CHANGING TRACK CLASSIFICATION FROM UNKNOWN TO FAKER.

(9) REFERENCE PARAGRAPH 2F

PARTICIPATION OF GOC IN THIS EXERCISE WAS EXCELLENT. THIS IS BASED ON THE INFORMATION OBTAINED FROM OVERLAYS SENT IN FROM FILTER CENTERS AND CORRELATED WITH STRIKE AIRCRAFT.

(10) REFERENCE PARAGRAPH 2G(1)

EFFECTS OF ELECTRONIC JAMMING ON FPS-3 SITES WERE NEGLIGIBLE. CHAFF WAS MOST EFFECTIVE ON THESE SITES AND MADE THE LOCATION OF TARGETS MOST DIFFICULT. CPS-6 SITES REPORTED THAT ELECTRONICS JAMMING VARIED FROM 5%-100% EFFECTIVENESS. ECCM MEASURES WERE TAKEN BY THE SITES EFFECTED AND REDUCED THE EFFECTIVENESS OF THE JAMMING. THE STATION REPORTING 100% EFFECTIVENESS OF THE ELECTRONIC JAMMING STATED THAT THE SATURATION OCCURRED WITHIN 50NM OF THE SITE.

(11) REFERENCE PARAGRAPH 2G(2)

RANDOM HEADING CHANGES BY TARGET AIRCRAFT DURING THE ATTACK PHASE WAS A CAUSE FOR MISSED INTERCEPTS OR STERN CHASES.

(12) REFERENCE PARAGRAPH 2G (3) AND (4)

ALTITUDE SEPARATION WITHIN AND BETWEEN BOMBER FORMATIONS CAUSED DIFFICULTY IN PASSING CORRECT ALTITUDE TO THE FIGHTER AIRCRAFT.

(13) REFERENCE PARAGRAPH 2G (5)

BOTH CW AND CHAFF ECM WERE EXPERIENCED. LOCK-ON WAS BROKEN IN MOST CASES BY CHAFF.

SECRET

55-4619

0283

COPY

SECRET

COPY

Hq 32D AD(D), OOT, SUBJ: COMMENTS ON CRACKER JACK CRITIQUE AGENDA
ITEMS

(14) REFERENCE PARAGRAPH 2 G (6)

THE SAC TACTIC OF TAKING ADVANTAGE OF POOR RADAR COVERAGE IN PLANNING APPROACH ROUTES WAS NOTICE-
ABLE AT THE ADCC AND WAS EFFECTIVELY USED AGAINST
THE RADAR SYSTEM OF THIS SECTOR.

(15) REFERENCE PARAGRAPH 3 A (1)

A TOTAL OF 731 TRACKS WERE ESTABLISHED DURING THE
EXERCISE PERIOD.

(16) REFERENCE PARAGRAPH 3 A (2) AND (3)

TOTAL UNKNOWN AND FAKER TRACKS ESTABLISHED WERE
133. NO INFORMED SAC OBSERVERS WERE AT THIS
HEADQUARTERS. STATISTICS BREAKDOWN OF UNKNOWN
VERSUS FAKER IS NOT AVAILABLE FROM DATA. HIGH
NUMBER OF UNKNOWN WAS DUE TO LACK OF SPECIFIC
PROCEDURE FOR CLASSIFYING TRACKS FAKER OR FOR
REDESIGNATING UNKNOWN TRACKS TO FAKER TRACKS.

(17) REFERENCE PARAGRAPH 3 C (1)

THIS WAS NOT INITIAL STATE OF READINESS. AA
UNITS WENT TO PATROL STATIONS AND BECAUSE OF LACK
OF ID OF TRACKS AS FAKER, THEY HAD TO REMAIN THERE.
THE AA UNITS AT BOBTON WERE AT PATROL STATIONS
FOR A PROLONGED PERIOD WHILE AIRCRAFT WERE IN THE
AIR, BUT WERE UNABLE TO RECEIVE "GANG FLIGHT" FROM
THEIR ASSOCIATED ADCC BECAUSE TRACKS WERE CLASSI-
FIED AS UNKNOWN.

(18) REFERENCE PARAGRAPH 3 C (2)

SIX (6) ENGAGED FROM ALL AA DEFENSES.

(19) REFERENCE PARAGRAPH 3 C (3)

SIX (6) MA'S.

(20) REFERENCE PARAGRAPH 4 A (1)

DURATION OF EXERCISE DID NOT PERMIT EMPLOYMENT
OF FORCES WHICH HAD STOOD BY ALL NIGHT. IT HAD
AN ADVERSE EFFECT ON ANY FUTURE PLANS FOR TRAIN-
ING AND PARTICIPATION THAT WOULD BE MADE. RE-
COMMEND THAT IN THE FUTURE THERE BE A GUARANTEED

SECRET

0284

COPY

COPY

SECRET

Hq 320 AD(D); OOT, SUBJ: COMMENTS ON CRACKER JACK CRITIQUE AGENDA ITEMS

MINIMUM LENGTH OF TIME FOR THE EXERCISE SO THAT EVERYONE INVOLVED IN ANY WAY CAN BE EXERCISED.

(21) REFERENCE PARAGRAPH 4 A (2)

THERE WAS NO NAVAL AUGMENTATION RADAR IN THIS AREA.

(22) REFERENCE PARAGRAPH 4 B (1) AND (2)

RECOMMEND DEPLOYMENT PLANS BE AMENDED TO APPLY TO ADDITIONAL T-33 AIRCRAFT IF TACTICAL AIRCRAFT ARE NOT AVAILABLE. THE AIRCRAFT OF THE CAMBRIDGE RESEARCH CENTER WOULD BE OF NO USE AS AUGMENTATION UNITS INASMUCH AS THEY WOULD HAVE TO BE RECONVERTED. FUTURE PLANS SHOULD BE DESIGNED TO EMPLOY ANG AND AFRES AUGMENTATION FIGHTERS DURING HOURS OF DARKNESS PROVIDED VISIBILITY IN THE TARGET AREA IS REPORTED TO BE AT LEAST FIVE MILES. NON-A1 FIGHTERS COULD BE EQUALLY AS EFFECTIVE AS A1 FIGHTERS WHOSE EQUIPMENT IS BEING JAMMED. EMPLOYMENT OF ~~FIGHT~~ NON-A1 FIGHEERS IN ADDITION TO A1 FIGHTERS WILL NATURALLY HAVE TO BE COMMENSURATE WITH THE CONTROL CAPABILITY.

(23) REFERENCE PARAGRAPH 5 (B)

MASS RAID REPORTING DOES NOT PRESENT A TIMELY OR ADEQUATELY DETAILED PICTURE OF THE AIR BATTLE AT THE ADCC. THE COMBINATION OF HIGH SPEED FLIGHT AND WEAVING AND SPLITTING TACTICS USED BY THE STRIKE FORCE RESULTED IN EXCESSIVE DELAYS IN CHANGING MASS RAID REPORTING TO INDIVIDUAL TRACK REPORTING AT DIRECTION CENTERS. THESE DELAYS WERE NOTICEABLE AT THE ADCC TO THE EXTENT THAT AN INTELLIGIBLE DISPLAY OF STRIKE FORCE POSITIONS AND DETAILED WEAPONS COMMITMENT AGAINST EACH FORCE WERE NOT AVAILABLE. THE COMPLEXITIES OF OVERLAP TELLING, WARNING TELLING AND EARLY WARNING TELLING ARE MULTIPLIED MANY TIMES WHEN A MASS RAID DOES NOT KEEP ITS COMPOSITION THROUGHOUT ITS TRAVEL IN A DEFENSE SECTOR.

SECRET

0285

COPY

SECRET

COPY

Hq 32D AD(D), OOT, SUBJ: COMMENTS ON CRACKER JACK CRITIQUE AGENDA
ITEMS

ALTHOUGH MASS RAID REPORTING WAS NOT IN USE
LONG ENOUGH BEFORE "CRACKER JACK" TO RUN
SMOOTHLY, IT IS BELIEVED THAT THERE ARE ENOUGH
INHERENT DEFICIENCIES IN THE SYSTEM TO CAUSE
ITS FAILURE DURING THE EXERCISE AND TO REQUIRE
A STUDY OF REASONS FOR ITS FAILURES.

FOR THE COMMANDER:

/s/ EVERITT W. HOWE
/t/ EVERITT W. HOWE
MAJOR, USAF
ADJUTANT

SECRET

55-4619

0286

COPY

SECRET

COPY

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

OCE

16 JAN 1956

SUBJECT: FINAL REPORT ON ECM & COMMUNICATIONS

TO: COMMANDER
EASTERN AIR DEFENSE FORCE
STEWART AIR FORCE BASE
ATTN: OCE
NEWBURGH, NEW YORK

1. REFERENCE RADNOTE FROM COMM BROOKS DATED 2 DECEMBER 1955. A FINAL REPORT ON ECM AND COMMUNICATIONS WAS NOT PREPARED BY THE ANALYSISISTS AT THIS HEADQUARTERS. THE FOLLOWING INFORMATION WAS FURNISHED TO THE ANALYSISISTS FROM WHICH THEY PLAN TO CONSOLIDATE A FINAL REPORT.

A. ECM

- (1) 762D ACW SQUADRON. CONSIDERABLE CW JAMMING WAS EXPERIENCED THROUGHOUT THE EXERCISE ON ALL BEAMS, HOWEVER, CHAFF DROPS WERE CONSIDERED THE MOST EFFECTIVE. SOME COMMUNICATION JAMMING WAS EXPERIENCED. UHF VOICE TRANSMISSION FROM MISSION AIRCRAFT GIVING FALSE TARGET INFORMATION WERE NOT EFFECTIVE. THE PERSONNEL APPEARED TO WORK THROUGH MOST ECM.
- (2) 654TH AC&W SQUADRON. THE INTENSITY OF JAMMING VARIED FROM CONDITION 1 TO 5. JAMMING INCREASED CONSIDERABLY AS AIRCRAFT APPROACHED THE STATION. CHAFF DROPS DID NOT HINDER CONTROLLERS AND PLOTTERS EXCESSIVELY. FTC & IAVC WAS SUCCESSFUL. IT IS ESTIMATED THAT 75% OF THE TIME, THE STATION WORKED THROUGH EXISTING ECM.
- (3) 764TH ACW SQUADRON. NOISE JAMMING WAS EXPERIENCED BUT WAS LIGHT DUE TO ANTI-JAMMING CIRCUITS.

SECRET 56-143

0287

COPY

COPY

Hq 32d AD(D) OCE SUBJECT: FINAL REPORT ON ECM & COMMUNICATIONS

- SECRET**
- (4) 656TH ACW SQUADRON. NO ELECTRICAL JAMMING WAS ENCOUNTERED. CHAFF WAS USED TO THE EXTENT OF SATURATION. NO COMMUNICATION JAMMING WAS INDICATED.
 - (5) 655TH ACW SQUADRON. THIS STATION EXPERIENCED CW JAMMING. THE HEIGHT FINDER WAS NOT EFFECTED BUT SEARCH RADAR EXPERIENCED CONDITION 3. ANTIJAMMING CIRCUITS HAD LITTLE OR NO EFFECT. CONFUSION DUE TO CHAFF DROPS WAS NIL DUE TO THE SMALL DENSITY OF CORRIDOR CHAFF TACTICS. THERE WAS NO COMMUNICATIONS JAMMING EXPERIENCED.
 - (6) 763D ACW SQUADRON. HEAVY JAMMING, BOTH CW AND CHAFF, WAS EXPERIENCED. ANTI-JAMMING CIRCUITS USED APPEARED INEFFECTIVE. NO COMMUNICATION JAMMING WAS EXPERIENCED.
 - (7) 27TH FIS. TWO FLIGHTS OUT OF 16 ENCOUNTERED CHAFF. TWO LOCK-ONS WERE BROKEN. NO EVASIVE TACTICS WERE ENCOUNTERED. VOICE JAMMING HAD NO EFFECT.
 - (8) 47TH FIS. CHAFF AND COMMUNICATIONS JAMMING WAS ENCOUNTERED, HOWEVER, LITTLE EFFECT WAS NOTICED BY THE COMMUNICATIONS JAMMING. WRONG ALTITUDE DIRECTING ACCOUNTED FOR SOME MISS INTERCEPTS, DUE TO INACCURATE HEIGHT FINDER.
 - (9) 49TH FIS. THE FOLLOWING MESSAGE FROM THE 49TH FIS, FIMCE 12-73, INDICATES ACTION DURING THE EXERCISE. QUOTE: DURING EXERCISE CRACKER JACK, A TOTAL OF 16 AIRCRAFT WERE SCRAMBLED WITHIN A PERIOD OF ABOUT 20 MINUTES. OF THE 16 AIRCRAFT, 4 REACHED THEIR TARGETS. OF THE 4 WHO REACHED THEIR TARGET, ONLY 2 AIRCRAFT MADE SUCCESSFUL RUNS. THE OTHER 2 AIRCRAFT, AFTER LOCKING ON AND CLOSING TO 8 MILES (STERN CHASE) REPORTED THAT SUDDENLY THE LOCK WAS BROKEN BY SEVERE CLUTTER. WHETHER THIS WAS DUE TO ELECTRONIC OR MECHANICAL JAMMING, OR EVEN INTERMITTENT SET FAILURE WAS UNDETERMINED. THE REASON THAT THE OTHER 12 AIRCRAFT MADE NO SUCCESSFUL

SECRET

56-143

0288

COPY

SECRET

COPY

Hq 32D AD(D) OCE SUBJECT: FINAL REPORT ON ECM & COMMUNICATIONS

- (PASSES WAS THAT EACH PILOT REPORTED HE WAS UNABLE TO WORK THE CONTROLLER BECAUSE OF EXCESSIVE TRAFFIC ON ONE CHANNEL. PILOTS WERE UNABLE TO CONTACT THE CONTROLLER ON AN ALTERNATE CHANNEL. TWO PILOTS REPORTED THAT THE ATTACKING AIRCRAFT MADE A 270 DEGREE TURNOVER TARGET. MANY PILOTS REPORTED SEEING MANY OTHER AIRCRAFT (VISUALLY) IN THE AREA AND UNABLE TO WORK THE CONTROLLER WERE UNCERTAIN AS TO WHETHER THE AIRCRAFT WERE OUR OWN OR THAT OF THE ATTACKER. TWO PILOTS REPORTED BROKEN LOCK. TWO PILOTS MADE SUCCESSFUL PASSES. TWELVER PILOTS REPORTED BROKEN LOCK. TWO PILOTS MADE SUCCESSFUL PASSES. TWELVE PILOTS WERE UNABLE TO WORK THE CONTROLLER DUE TO THE EXCESSIVE LOAD ON 1 CHANNEL. NO ONE REPORTED COMMUNICATIONS JAMMING ALTHOUGH WITH ALL THE AIRCRAFT ON 1 CHANNEL, THIS WAS VERY EFFECTIVE JAMMING. PILOTS TRIED ALL CHANNELS FOR COMMUNICATIONS WITH THE CONTROLLER BUT WERE UNSUCCESSFUL. OPERATION CRACKER JACK SEEMED TO BE A SUCCESSFUL EXERCISE FROM HERE. UNQUOTE.
- (10) 58TH FIS. THE FOLLOWING MESSAGE FROM THE 58TH FIS, D-613, INDICATES ACTION DURING THE EXERCISE. QUOTE: NO BEAMS ATTEMPTED, ALL ID RUNS PROBLEMS INVOLVED IN ECM REPORTING NONE ANTI JAM CIRCUITS EFFECTIVE TWO FLTS ENCOUNTERED ECM, 12 FLTS DID NOT NR OF LOCK ONS TWO NR OF BROKEN LOCKS 0 EVASIVE TACTICS USED BY ATTACKING ACFT NONE AC&W CONTROLLER CONTACT WITH FTR - GOOD
- (11) 60TH FIS. THE FOLLOWING MESSAGE FROM THE 60TH FIS, 60 OPS D-606, INDICATES ACTION DURING THE EXERCISE. QUOTE: IAW UR MSG ACFOCE 12075, THE FOLLOWING INFO IS HEREBY SUBMITTED. NO KNOWN ECM ENCOUNTERED. CHAFF WAS DETECTED ON ONE INTERCEPT, BUT WAS NOT EFFECTIVE. AN ID PASS AND TWO (2) ATTACK PASSES WERE MADE BY RADAR SUCCESSFULLY. NO EVASIVE ACTION. FTR WAS NOT UNDER GCI CONTROL DUE TO A BROKEN PARROT. NO KNOWN COMM JAMMING.

SECRET

56-143

0289

COPY

SECRET

COPY

Hq 32D AD(D) OOE SUBJECT: FINAL REPORT ON ECM & COMMUNICATIONS

- (12) 75TH FIS. NEGATIVE REPORT.
- (13) 76TH FIS. NEGATIVE REPORT.
- (14) 337TH FIS. CW NOISE AND CHAFF JAMMING ENCOUNTERED. CHAFF HAD VERY LITTLE EFFECT BUT DID HAMPER INTERCEPTORS, WHEREAS ELECTRONIC JAMMING HAD CONDITIONS.
- (15) 2D AAA GROUP, NIAGARA FALLS EXPERIENCED NO ELECTRONIC JAMMING, BUT DID WORK THROUGH CHAFF TACTICS.
- (16) 15TH AAA GROUP. REPORTED THAT CLIFF REPORTING OVERLOADED THEIR LINES. NO ELECTRONIC JAMMING, EXCEPT IN ONE CASE AND IT WAS NOT NOTED. MOST OF THE AAA WORK WAS ON CHAFF AND THE M-33, AND NIKE RADARS WORKED THROUGH MECHANICAL JAMMING VERY WELL, EXCEPT WHEN OUT OF RANGE OR WHEN AREA WAS COMPLETELY SATURATED. SOME BREAK-LOCKS MAY BE ATTRIBUTED TO THE APPEARANCE OF INEXPERIENCE GROUND AAA RADAR OPERATORS. GROUND CLUTTER WAS TAKEN ADVANTAGE BY FAKER A/C.

B. COMMUNICATIONS:

NO DIFFICULTIES ENCOUNTERED AT THIS HEADQUARTERS.

GFOR THE COMMANDER:

/s/ EVERITT W. HOWE
/t/ EVERITT W. HOWE
MAJOR, USAF
ADJUTANT

SECRET

56-143

0290

COPY

COPY

SECRET

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

OOT-A

31 JAN 1956

SUBJECT: REPORT OF MA'S DURING EXERCISE "CRACKER JACK"

TO: COMMANDER
EASTERN AIR DEFENSE FORCE
STEWART AIR FORCE BASE
NEWBURGH, NEW YORK

1. REFERENCE YOUR MESSAGE (CLASSIFIED) EA00T-T C-0021, DATED 5 JANUARY 1956, THE FOLLOWING COMMENTS ARE SUBMITTED:

A. THE LOW NUMBER OF MA'S (MISSION ACCOMPLISHED) REPORTED BY THE MASS REPORTING SYSTEM WAS ERRONEOUS. THIS ERRONEOUS REPORT WAS A DIRECT RESULT OF THE INABILITY OF THE CONTROL CENTER TO ACKNOWLEDGE AND RECORD THE VOLUME OF CALLS FROM DIRECTION CENTERS WHEN THE CONTROL CENTER WAS IN THE PROCESS OF OBTAINING SEPARATE TRACK NUMBERS AND TACTICAL ACTION ON A PREVIOUSLY REPORTED MASS TRACK THAT HAD SPLIT INTO SEPARATE SEGMENTS. A FULL REPORT OF THE DIFFICULTIES EXPERIENCED BY THIS DIVISION IN MASS TRACK REPORTING HAS BEEN FORWARDED UNDER SEPARATE COVER TO YOUR HEADQUARTERS IN REPLY TO YOUR LETTER, EA00T-OS, SUBJECT: SUMMARY RAID REPORTING, DATED 21 DECEMBER 1955.

B. INFORMATION EXTRACTED FROM THE ANALYSTS STATISTICS INDICATE THAT THERE WERE 13 MA'S OUT OF A TOTAL OF 86 FIGHTER INTERCEPTORS SCRAMBLED.

2. THE PRINCIPLE REASONS FOR THE LACK OF MA'S ARE:

A. INACCURACY AND SHORT RANGE OF THE PRESENT HEIGHT FINDER EQUIPMENT.

B. DIRECTORS HAVE HAD LITTLE OR NO EXPERIENCE CONTROLLING FIGHTERS UNDER THE ELECTROMAGNETIC AND MECHANICAL ECM OF THE MAGNITUDE ENCOUNTERED DURING THIS EXERCISE.

C. DIRECTORS HAVE HAD LITTLE OR NO OPPORTUNITY TO CONTROL FIGHTERS AGAINST HIGH, FAST TARGETS EMPLOYING EVASIVE ACTION.

D. PRESENT PROFICIENCY AND EXPERIENCE OF DIRECTORS AND PILOTS IS NOT ADEQUATE TO FULLY EXPLOIT THE ADVANTAGES OF THE TACTICAL DOCTRINE. (ADCM 55-5).

217/2

56-298

SECRET

0291

COPY

SECRET

COPY

HQ 32D AD(D) OOT-A SUBJECT: REPORT OF MA'S DURING EXERCISE
"CRACKER JACK"

E. CHAFF CAUSED MANY POSSIBLE MA'S TO BE LOST AS
A RESULT OF THE AIRBORNE RADAR BREAKING LOCK.

F. LACK OF ADEQUATE EARLY WARNING RESULTED IN LATE
SCRAMBLES ON OCCASIONS.

G. ONE AC&W SQUADRON REPORTED LOSING CONTACT WITH
THE INCOMING TARGET AIRCRAFT WHEN THEY WERE APPROXIMATELY
120 NAUTICAL MILES FROM THEIR STATION. THIS LOSS OF CONTACT
WAS DUE TO DUCTING AT LOW ALTITUDE, CAUSING LOSS OF HIGH
ALTITUDE COVERAGE AT ALL RANGES BEYOND 30 NAUTICAL MILES.

3. CLOSE CONTROL OF FIGHTER AIRCRAFT BY THE 762D AC&W
SQUADRON AND THE 654TH AC&W SQUADRON WAS NEGATED BY THE
OVERLOADING OF RADIO COMMUNICATIONS. THE OVERLOADING OF
THE CONTROL CHANNEL USED BY THE ADJACENT AC&W SQUADRONS WAS
DUE TO A TYPOGRAPHICAL ERROR IN AN ORDER ASSIGNING THE SAME
FREQUENCY TO BOTH UNITS. THIS ERROR HAS BEEN CORRECTED.

4. IT IS RECOMMENDED THAT:

A. ECM TRAINING MISSIONS BE SCHEDULED EMPLOYING
ECM TACTICS EMPLOYED BY SAC.

B. FUTURE MISSIONS BE SCHEDULED EMPLOYING EVASIVE
ACTION.

C. MORE ECM MISSIONS BE SCHEDULED AGAINST AIR-
BORNE RADAR.

FOR THE COMMANDER:

/s/ EVERITT W. HOWE
/t/ EVERITT W. HOWE
MAJOR, USAF
ADJUTANT

SECRET

2

56-298

0292

COPY

SECRET

COPY

655TH AC&W SQUADRON
WATERTOWN AIR FORCE STATION
WATERTOWN, NEW YORK

Dec 29 1955

SUBJECT: A REPORT OF DISCREPANCIES NOTED IN OCCUPYING
VERONA SITE DURING CRACKERJACK EXERCISE
(SPECIFIC TITLE: APPLICATION OF JT/32ND AIR
DIVISION OPERATIONS PLAN 506-55)

TO: COMMANDER
655TH AC&W SQUADRON
WATERTOWN AIR FORCE STATION
WATERTOWN, NEW YORK

1. MANY COMPLICATIONS AND MISUNDERSTANDINGS AROSE BETWEEN THE DETACHMENT OF THE 655TH AC&W OCCUPYING THE VERONA SITE AND BOTH GRIFFISS AIR FORCE BASE AND THE ROME AIR DEVELOPMENT CENTER. BRIEFLY, THE 655TH DETACHMENT WAS TO MANAGE OPERATIONS AND GRIFFISS AIR FORCE BASE WAS TO ACT AS BASE SUPPORT AND ASSIST IN TECHNICAL MAINTENANCE, ACCORDING TO A JOINT AGREEMENT. I WISH TO REPORT THAT LOGISTIC, TECHNICAL, AND BASE SUPPORT WERE ALMOST TOTALLY LACKING TO THE DETRIMENT OF VERONA OPERATIONS IN LOSS OF HOURS TIME TO BECOME OPERATIONAL AND LOWERING OF EFFICIENCY.

2. DURING OCTOBER 1955, CAPTAIN ABER, OPERATIONS OFFICER THIS STATION, MADE A STAFF VISIT TO VERONA AND GRIFFISS TO ESTABLISH A PRACTICAL PLAN FOR IMPLEMENTING JT/32ND AIR DIV (DEF) OPS PLAN 506-55. IT WAS UNDERSTOOD AT THAT TIME THAT ALL PERSONS CONCERNED WITH THE OPERATIONS ORDER WERE FAMILIAR WITH THE TASKS ASSIGNED AND WOULD PUT THE PLAN INTO IMMEDIATE EFFECT UPON PROPER NOTIFICATION. AT THIS TIME OUR STATION WILL COMPLY WITH 655TH ACWRON OPS SOP 7-1, WHEN SO NOTIFIED BY 32ND AD(D) AND IN TURN, NOTIFY GRIFFISS AFB, (EXT 5230 OR EXT 7752) FROM THAT TIME, EACH PARTICIPATING AND TASK ORGANIZATION WILL PROVIDE:

A. GRIFFISS AFB: TRANSPORTATION, MESSING AND BILLETING FACILITIES FOR OPERATIONS PERSONNEL.

B. ROME AIR DEVELOPMENT CENTER: FURNISH RADAR STATUS REPORTS, INTEGRATE AVAILABLE GROUND RADAR FACILITIES, PROVIDE MAINTENANCE FOR VERONA FACILITY.

C. 655TH ACWRON: FURNISH PERSONNEL TO MAN THE VERONA SITE DURING 24-HOUR OPERATION.

D. LOGISTICS AND PERSONNEL (GENERAL): KEEP 32ND AD(D) ADVISED OF CONDITIONS OR CIRCUMSTANCES WHICH HINDER THE SUCCESS OF THIS PLAN. -1-

298/1

0295

COPY

SECRET

COPY

3. THE FOLLOWING DETAILS ARE REFLECTED IN 655TH ACWRON, VERONA TEST SITE OPERATIONS CONTROL LOG COMMENCING 6 DEC 55, ALONG WITH A CHRONOLOGICAL DESCRIPTION:

- A. 2240Z (CONTROL LOG) - AMAZON IMPLEMENTS 506-55.
- B. 2247Z (CONTROL LOG) - NIGHTCAP INFORMS CAPT. SHANLEY, STAFF DUTY OFFICER AT GRIFFISS THAT 506-55 WAS IMPLEMENTED.
- C. 1ST LT. MARINEAU, SENIOR DIRECTOR; A/2C SMITH, CONTROL TECH FOR NIGHTCAP.
- D. 0015Z (VERONA CONTROL LOG) - CREW TO MAN BACK-UP SITE AT VERONA DEPARTED THE 655TH AC&W SQUADRON, WATERTOWN, N.Y.
- E. 0238Z (VERONA CONTROL LOG) - LT. KLEINBERG AND T/SGT. GREEN ARRIVED WITH TWO WIRE MAINTENANCE MEN. THEY HAD TROUBLE GETTING IN THE GATE. THEY HAD TO REQUEST CLEARANCE FROM 655TH ON ARRIVAL. THE FOLLOWING IS A VERBAL DESCRIPTION:

- (1) I WAS STOPPED AT THE MAIN GATE BY TWO CIVILIAN POLICE. WHEN I EXPLAINED WHO I WAS AND WHAT I WAS DOING THERE THEY SAID I COULD NOT GAIN ENTRANCE BECAUSE THEY HAD ORDERS TO KEEP OUT ALL PERSONS NOT CLEARED BY ROME AIR DEVELOPMENT CENTER AND THAT THEY HAD NOT BEEN BRIEFED ON THE 506-55 PLNN. I CALLED LT. COTTER, 655TH OPS OFFICER AND EXPLAINED OUR PRECIPITATION. THIRTY (30) MINUTES LATER WE RECEIVED A CALL AT THE GATE FROM AN AIR FORCE COLONEL. HE ASKED ME MANY QUESTIONS FOR MOST OF WHICH I COULDN'T DIVULGE TO HIM ON A LOCAL TELEPHONE LINE WITHOUT COMPROMISING SECURITY INFORMATION. FINALLY, AFTER THE CALLER TALKED TO THE POLICE, I WAS GRANTED ENTRANCE. FIRST OF ALL, WE HAD TO TURN IN OUR 655TH SECURITY BADGES TO ALL SECTIONS FOR ONE (1) OF THEIR SECURITY BADGES (CONTRARY TO EXISTING AGREEMENTS).
- (2) SEVERAL OTHER CALLS WERE MADE BY THE POLICE, ON DUTY, BUT THE RESPONSIBLE OFFICERS AT GRIFFISS WERE UNABLE TO ENLIGHTEN THEM. WE PROCEEDED TO THE HEADQUARTERS BUILDING AND LOCATED THE SENIOR VERONA SITE ENGINEER, MR. BAFEL. AGAIN THERE WAS A CONFLICT IN THE JOINT AGREEMENT, AS MR. BAFEL WASN'T AWARE OF THE DESIGNATED BUILDING FOR IMMEDI-

SECRET -2- 56184

0294

COPY

SECRET

COPY

ATE OPERATION. WE LOOKED OVER BUILDING No. 1 AND HEADQUARTERS AND DECIDED ON THE HEADQUARTERS BUILDING WHERE A SWITCHBOARD WAS LOCATED AND HOT LINES COULD BE INSTALLED TO SEVERAL SETS OF TELEPHONE EXTENSIONS IN THE NEXT ROOM, WHICH COULD BE CHANGED INTO OPERATION IN THE LEAST TIME, TAKING INTO CONSIDERATION CERTAIN CLASSIFIED TEST EQUIPMENT WHICH OUR RADAR OPERATORS ARE NOT FAMILIAR WITH. WE OPENED TWO ROOMS DOWN THE HALL FOR USE AS BILLETTS, SINCE GRIFFISS HAD NOT SUPPLIED THE BARRACKS WITH BEDS AND ALL THE BUILDINGS WERE LOCKED AND SPACED ALL OVER THE BASE. WE WOULD HAVE HAD TO HAVE TRANSPORTATION IN ORDER TO SHUTTLE THE CREWS TO AND FROM LIVING QUARTERS TO OPERATIONS AND THIS WAS NOT AVAILABLE EXCEPT BY NORMAL REQUEST TO GRIFFISS AFB MOTOR POOL TO HAVE A PERSONNEL CARRIER DISPATCHED 15 MILES.

F. 0330Z (VERONA CONTROL LOG), THE REMAINING PART OF THE BACK-UP CREW ARRIVED HERE. NO TROUBLE ENCOUNTERED ON THE TRIP DOWN, NOW STARTING TO SET-UP OPS.

G. 0550Z (VERONA CONTROL LOG), VERONA BACK-UP OPERATIONAL. THE FOLLOWING IS A VERBAL DESCRIPTION:

(1) IT TOOK FROM 0238Z TO 0550Z TO GET ON THE AIR, WHICH I BELIEVE COULD HAVE BEEN REDUCED TO ONE (1) HOUR IF THERE HAD BEEN PRE-OPERATIONAL PREPARATION. MEANWHILE, ELEVEN (11) BEDS AND MATTRESSES ARRIVED FROM GRIFFISS. WE HAD TO MAKE ARRANGEMENTS TO HAVE THE GRIFFISS MESS HALL OPEN FOR OVER TWO SHIFTS AND A PERSONNEL CARRIER FROM THEIR MOTOR POOL TO GET US THERE. THIS WAS EXTREMELY INCONVENIENT, CAUSING THE MEN TO BECOME MORE FATIGUED, THUS LOWERING OUR EFFICIENCY. AT THE MESS HALL ON BASE, I HAD TO ARRANGE, THROUGH THE STAFF DUTY OFFICER, CAPTAIN SHANLEY, TO OBTAIN 20 CUPS, SPOONS AND A PITCHER FROM RELUCTANT COOKS THAT WE COULD TAKE BACK TO VERONA TO MAKE OUR OWN COFFEE FOR OUR OPERATORS ON DUTY. IN FURTHER CONVERSATIONS WITH CAPTAIN SHANLEY, HE TOLD ME MAJOR MEZZA, OF GRIFFISS AFB, WAS PROBECT OFFICER FOR VERONA SUPPORT AND THAT THEIR PLAN HAD A DIFFERENT NUMBER ON HIS CRACKERJACK-VERONA PLAN. HE SAID, FURTHER ACTION WOULD COME THROUGH MAJOR MEZZA'S OFFICE WHICH WOULDN'T BE OPEN UNTIL ADMINISTRATIVE DUTY HOURS IN THE MORNING.

-3- SECRET 56-134

0295

COPY

SECRET

COPY

CAPTAIN SHANLEY FURTHER INDICATED HE HAD NO
POWER OF ACTION AND THAT ROME AIR RESEARCH
SHOULD HAVE IMPLEMENTED THE PLAN.

H. CRACKERJACK RECALL, 1205Z, 6 DECEMBER 1955.
NO FURTHER ACTION TAKEN.

/s/ HENRY E. KLEINBERG
/t/ HENRY E. KLEINBERG
1ST LT., USAF
DETACHMENT COMMANDER

SECRET

-4-

56-134

0296

COPY

SECRET

COPY

LTR 655TH AC&W SQUADRON, WATERTOWN AF STATION, WATERTOWN, NEW YORK
SUBJ: A REPORT OF DISCREPANCIES NOTED IN OCCUPYING VERONA SITE DURING CRACKERJACK EXERCISE (SPECIFIC TITLE: APPLICATION OF JT/32ND AIR DIVISION OPERATIONS PLAN 506-55)

CMR

1ST IND

JAN 3 1956

655TH AC&W SQUADRON, WATERTOWN AIR FORCE STATION, WATERTOWN, NEW YORK
TO: COMMANDER, 4711TH AIR DEFENSE WING, PRESQUE ISLE AIR FORCE BASE
PRESQUE ISLE, MAINE

1. UPON NOTIFICATION BY 32 AD (D) THAT 32 AD (D) OPS PLAN 506-55 WAS IN EFFECT, IMMEDIATE MOVEMENT OF PERSONNEL FROM THE 655TH AC&W SQ TO THE VERONA TEST SITE WAS EFFECTED IN ACCORDANCE WITH 655TH OPS SOP #7-1.

2. LT KLEINBERG, AS DETACHMENT COMMANDER, ENCOUNTERED CONSIDERABLE DELAY BECOMING OPERATIONAL. IN OUR OPINION, PERSONNEL MANNING THE VERONA SITE ARE NOT FAMILIAR WITH THE JOINT AGREEMENT BETWEEN 655TH AC&W Sq., GRIFFISS AFB AND RADC. (ATTACHMENT #5 TO 655TH ACW SQ OPS SOP #7-1).

3. IT IS RECOMMENDED THAT 32 AD (D) REVIEW 655TH ACW SQ OPS SOP #7-1 AND THE ATTACHMENTS THERETO AND IF APPROVED COORDINATE WITH GRIFFISS AFB AND RADC TO INSURE SPEEDY AND SUCCESSFUL IMPLEMENTATION OF SUBJECT PLAN.

FOR THE COMMANDER:

/s/ JAMES E. RIGGS
/t/ JAMES E. RIGGS
2ND LT., USAF
ADJUTANT

SECRET

COPY

COPY

SECRET

Hq 655TH ACWRON SUBJECT: A REPORT OF DISCREPANCIES NOTED IN
OCCUPYING VERONA SITE DURING CRACKERJACK EXERCISE (SPECIFIC
TITLE: APPLICATION OF JT/32ND AIR DIVISION OPERATIONS PLAN
506-55)

DWOACEZ (29 Dec 55)

2ND IND

12 JAN 1956

HQ 4711TH AIR DEFENSE WING, PRESQUE ISLE AFB, PRESQUE ISLE, MAINE

TO: COMMANDER, 32ND AIR DIVISION (DEFENSE), SYRACUSE AIR FORCE
STATION, SYRACUSE 6, NEW YORK

1. BASIC LETTER WITH 1ST INDORSEMENT IS FORWARDED IN COMPLIANCE WITH PAR 3X(4) OF JT/32ND AIR DIVISION OPERATIONS PLAN 506-55.
2. SINCE A DETAILED SOP WAS PROVIDED BY THE 655TH AC&W SQUADRON AND A JOINT AGREEMENT ESTABLISHED BETWEEN THE 655TH AC&W SQUADRON AND GRIFFISS AIR FORCE BASE AND ROME AIR RESEARCH AND DEVELOPMENT CENTER, NO ACTION IS DEEMED NECESSARY AT THIS HEADQUARTERS.
3. A THOROUGH REVIEW OF THE JOINT AGREEMENT BY PERSONNEL OF ALL AGENCIES INVOLVED SHOULD ALLEVIATE FURTHER PROBLEMS OF THIS NATURE.

FOR THE COMMANDER:

S/
MYRDON T. NEUMANN
1ST LT., USAF
ADJUTANT

SECRET

56-184

0298

COPY

SECRET

COPY

HQ 655TH ACWRON SUBJECT: A REPORT OF DISCREPANCIES NOTED IN
OCCUPYING VERONA SITE DURING CRACKER JACK EXERCISE (SPECIFIC
TITLE: APPLICATION OF JT/32ND AIR DIVISION OPERATIONS PLAN
506-55)

OOT-A (29 Dec 55)

3RD IND

27 JAN 1956

HEADQUARTERS, 32D AIR DIVISION (DEFENSE), SYRACUSE AIR FORCE
STATION, SYRACUSE 6, NEW YORK

TO: COMMANDER, 4711TH AIR DEFENSE WING, PRESQUE ISLE AIR
FORCE BASE, PRESQUE ISLE, MAINE

1. THIS HEADQUARTERS HAS BEEN NOTIFIED VERBALLY BY
THE 655TH AC&W SQUADRON THAT THEY HAVE RECEIVED AN SOP FROM
THE ROME AIR RESEARCH AND DEVELOPMENT CENTER COVERING THE
ACTIONS OF GRIFFISS AIR FORCE BASE AND THE VERONA SITE WHEN
JOINT 32ND AIR DIVISION OPERATIONS PLAN 506-55 IS IMPLEMENTED.
THE DIFFICULTY ENCOUNTERED BY THE 655TH AC&W SQUADRON DURING
THE RECENT CRACKER JACK EXERCISE HAS BEEN SETTLED ON A LOCAL
BASIS BY THE 655TH AC&W SQUADRON AND RADC.

2. NO FURTHER ACTION IS ANTICIPATED BY THIS HEADQUARTERS.

BY ORDER OF THE COMMANDER:

/s/ GEORGE T. DORMER
/t/ GEORGE T. DORMER
2ND LT, USAF
ASSISTANT ADJUTANT

SECRET

56-184

0299

SECRET
JT/32⁰ AIR DIVISION

OPERATIONS PLAN
506-55

THIS DOCUMENT CONSISTS
OF 9 PAGES

THIS IS COPY NO. 22 OF 26 COPIES

SECRET

2987
553284

0300

SECRET

HEADQUARTERS
3RD AIR DIVISION (OFFENSE)
Syracuse Air Force Station
Syracuse, New York

OPR

SUBJECT: 3d/32d AD(D) Operations Plan 506-55

TO: See Distribution

1. The attachment to this letter is HQ 3d/32d A Div Operation Plan 506-55, "Use of ARDC Fighter Aircraft and Water Installations".
2. This plan supersedes HQ 3d/32d AD(D) Operations Plan 6-54, which should be removed from your files and destroyed in accordance with par 9, AFR 205-1 dated 15 Dec 1953. This headquarters will not require the submission of a certificate of destruction.
3. Comments for improvements of the plan and constructive criticisms are solicited from all recipients.
4. Contents of this letter are unclassified. When the inclosure is withdrawn this letter becomes unclassified.

BY ORDER OF THE COMMANDER:

1 Incl
Opian 506-55

Everitt W Howe
EVERITT W HOWE
Major, USAF
Adjutant

SECRET

553284

0301

SECRET

FOREWORD

1. (Unclassified) This is a secret document. It will be handled and transmitted in accordance with par 30, AFB 205-1. This document contains information affecting the national defense of the United States within the meaning of the Espionage Laws, Title 18, USC, Section 793 and 794, the transmission or revelation of which, in any manner, to an unauthorized person is prohibited by law.

a. The long title of this document is (Unclassified) Joint/32d Air Defense Division Operation Plan 506-55, "Use of ARDC Fighter Aircraft and Radar".

b. The short title of this document is (Unclassified) Jt/32d ADiv AUGFAR 506-55.

2. (Confidential) The implementing actions required of Joint Air Defense Division Commanders and Commanders, Air Division (Defense) are virtually the same. This plan is designed to serve the dual purpose. In this plan the following abbreviation has been used: Jt/32d ADiv. This abbreviation includes both the Joint 32d Air Defense Division and the 32d Air Division (Defense)

This is Copy No. 22

Jt/32d ADIV
OPLAN 506-55
1 SEPT 55

553284

SECRET

0302

SECRET

HQ, JT/32D AIR DIVISION DEFENSE
Syracuse Air Force Station, Syracuse 6, New York
1 September 1955

OPERATIONS PLAN

Serial No. 506- 55

CHARTS AND MAPS:

The aeronautical charts and P-site blue prints presently in use will suffice for this plan.

TASK ORGANIZATION

- | | |
|--|----------------------------|
| a. 4707th Air Defense Wing | Col. Richard A. Legg |
| b. 4711th Air Defense Wing | Col. William D. Greenfield |
| c. 654th Aircraft Control and Warning Squadron | Maj. Lester B. Goldberg |
| d. 655th Aircraft Control and Warning Squadron | Maj. Robert L. Lister |

1. GENERAL SITUATION

(Confidential) To fully realize the benefit from all USAF equipment possessing an air defense capability, the Air Defense Command and Air Research and Development Command entered into an agreement for the joint use of Air Research and Development Command assigned equipment possessing air defense capabilities. The "Mutual Agreement for the Air Defense of the Continental United States Between Hq Air Research and Development Command and Hq, Air Defense Command" dated 23 Nov 1951 provides forces and facilities of ARDC to be made available to units of the ADC. The ARDC forces and facilities will be made available to Commander Jt/32d Air Defense Division during periods of air defense warning "Red", warning "Yellow", during a Military Emergency or Air Defense Readiness declared

Jt/32d ADIV
OPLAN 506-55
1 SEPT 55

SECRET

553284

0303

SECRET

by Hq ADC. Augmentation radar facilities will be intergrated in the control and Warning System thru established communications. Operational control of radar facilities will pass to the Air Defense Division Commander.

a. Enemy Forces: (Unclassified) The capabilities of the potential enemy are described in the current issue of ADC Manual 200-1.

b. Friendly Forces: (SECRET)

(1) Air Research and Development Command will:

- (a) Make the fighter aircraft of the 6520th Test Support Wing, Hanscom AFB, Mass., available to Jt/32d ADiv under provisions of existing agreement.
- (b) Make the radar facilities of the Rome Air Development Center, which are located at Verona, New York, available to Jt/32d ADiv according to existing agreements.

2. MISSION

(Secret) To integrate the forces and facilities of Air Research and Development Command into the active Air Defense System.

3. TASKS FOR PARTICIPATING AND TASK ORGANIZATION

a. Participating Units:

(1) Griffiss AFB (SECRET)

The Commander, Griffiss AFB, will provide:

- (a) Transportation for operations and maintenance personnel from Griffiss AFB to the Verona site.
- (b) Messing and billeting facilities for personnel furnished to the Verona site by Jt/32d ADiv.

Jt/32d ADiv
OPLAN 506-55
1 SEPT 55

2

SECRET

553284

0304

SECRET

(2) Rome Air Development Center (SECRET)

The Commander Rome Air Development Center will:

- (a) Integrate available ground radar facilities, located at Verona, New York into the Active Air Defense System.
- (b) Provide maintenance for the Verona facility.
- (c) Cooperate in the activation of engineered communications circuits between the Verona site and the 655th AC&W Squadron.
- (d) Assure the familiarity of his key personnel with this plan.
- (e) Furnish radar status reports to the commander Jt/32d ADiv during periods of implementation.

(3) 6520th TEST SUPPORT WING (SECRET)

The commander, 6520th Test Support Wing will:

- (a) Maintain a file of current operations directives pertinent to the Active Air Defense Mission.
- (b) Insure that aircrews of his command are familiar with the Active Air Defense Mission file.
- (c) Place available fighter aircraft and aircrews under the operational control of Commander Jt/32d ADiv during periods of implementation.
- (d) Furnish V-10 reports to Hq Jt/32d ADiv during periods of air defense activity.
- (e) Conduct air defense training missions with the 654th AC&W Squadron, when directed by competent authority.

Jt/32d ADIV
OPLAN 506-55
1 SEPT 55

SECRET

553284

0305

SECRET

b. Subordinate Units:

(1) 4711th Air Defense Wing (SECRET)

The Commander 4711th Air Defense Wing, Presque Isle AFB, Presque Isle, Maine will:

- (a) Cooperate in the activation and maintenance of communication circuits between 655th AC&W Squadron and the Verona site.

(2) 4707th Air Defense Wing (SECRET)

The Commander 4707th Air Defense Wing, Otis AFB, Falmouth, Massachusetts will:

- (a) Furnish a complete file of directives pertinent to air defense mission to Commander 6520th Test Support Wing, Hanscom AFB, Mass.
- (b) Make known pertinent call signs and frequencies to be used by 6520th TSW during implementation of this plan.
- (c) Appoint operations liaison officers for assignment to augmenting facilities when this plan is implemented.
- (d) Make copies of the scramble and let-down procedures available to the Commander of augmenting facilities and forces.

(3) 654th AC&W Squadron will: (CONFIDENTIAL)

- (a) Participate in air defense training missions with the 6520th Test Support Wing when directed.
- (b) Exercise direction control over the fighter aircraft made available by the 6520th Test Support Wing.

SECRET

4

Jt/32d ADIV
OPLAN 506-55
1 SEP 55
55-3284

0306

~~SECRET~~

- (4) 655th AC&W Squadron will: (SECRET)
- (a) Furnish personnel to man the Verona site during 24 hour operation.
 - (b) Coordinate thru Division OCE, the turning up of engineered communication circuits between the Verona site and the 655th AC&W Squadron.

X. General Instructions (UNCLASSIFIED)

All task organizations will:

- (1) Prepare plans to support this plan and forward two copies to this headquarters ATTN: Dir OPR, within 60 days after receipt of this plan.
- (2) All SOPs prepared in support of this plan will be unclassified. Two copies of subordinate unit SOPs will be forwarded to this headquarters ATTN: Dir OPR.
- (3) This plan is effective for planning purposes upon receipt, and for implementation when ordered by Commander Jt/32d ADiv.

4. LOGISTICS AND PERSONNEL: Normal (Unclassified)

Keep this headquarters advised of conditions or circumstances which would hinder the success of this plan.

5. COMMAND AND SIGNAL MATTERS: (SECRET)

a. Command

- (1) Command of augmenting forces and facilities will remain with present organization.

SECRET

SECRET

- (2) The Commander Jt/32d ADiv will assume responsibility for assignment of tasks, designation of objectives, and mission direction to all augmenting forces and facilities.
- (3) Command Post for this plan is Hq Jt/32d ADiv, Syracuse AFS, Syracuse, N. Y.

b. Signals (SECRET)

- (1) Circuits 2288E and 2306E are presently installed between the 655th AC&W Squadron and the Verona site.
- (2) Activation of these circuits will be made upon one hour notice to this headquarters.
- (3) Communications circuits from the 654th AC&W Squadron and Hanscom AFB are programmed for completion 1 Nov 1955.
- (4) Direct correspondence between task units and participating friendly forces is authorized. One copy of all such correspondence will be furnished Commander Jt/32d ADiv for information.

R S ISRAEL JR
Brigadier General, USAF
Commander

SECRET

6

Jt/32d ADIV
OPLAN 506-55
1 SEP 55

55-7284

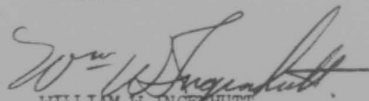
0308

SECRET

Distribution:

ARDC - Copy No. 1,2
EADF - Copy No. 3,4
ROME AIR DEVELOPMENT CENTER 5-8
GRIFFISS AFB 9
6520TH TEST SUPPORT WING 10,11
4711TH AIR DEFENSE WING 12-14
4707TH AIR DEFENSE WING 15-19
Jt/32d ADIV 20-26
(OPR-1 OOT-A-1 IHS-5)

OFFICIAL:


WILLIAM W INGERSHUTT
Colonel, USAF
Deputy for Operations

SECRET

Jt/32d ADIV
OPLAN 506-55
1 SEPT 55

553284

0309

DEPARTMENT OF THE AIR FORCE
WASHINGTON

SPECIAL ORDERS)
NUMBER 143)

25 July 1955

E X T R A C T

1. DP, announcement is made of the temp apt of the FNO in the USAF, under prev of sec 515, OPers Act of 47, with gr and DR as incd:

To be MAJGEN

HUGH A PARKER, 505A, DR 1 Jun 51
WALTER I MILLER, AO913582, DR 1 Jun 51
JOHN P DOYLE, 274A, DR 1 Jun 51
MANNING E TILLERY, 293A, DR 1 Jun 51
EDWARD P MECHLING, 327A, DR 1 Jun 51
FRANK H ROBINSON, 336A, DR 1 Jun 51
WALTER R AGEE, 413A, DR 1 Jun 51
HAROLD W GRANT, 497A, DR 1 Jun 51
HENRY K MOONEY, 589A, DR 1 Jun 51
RAYMOND J REEVES, 1082A, DR 1 Jun 51
THOMAS P GERRITY, 1613A, DR 1 Jun 51

To be BRIGEN

LESLIE G MULZER, AO138777, DR 23 Jun 55
JOHN C CROSTHWAITE, 295A, DR 24 Jun 55
~~ROBERT S ISRAEL, JR, 354A, DR 25 Jun 55~~
EDGAR A SIRMVER, JR, 394A, DR 26 Jun 55
LAWRENCE M GUYER, 454A, DR 27 Jun 55
DONALD P GRAUL, 455A, DR 28 Jun 55
JOHN C HORTON, 457A, DR 29 Jun 55
WINSLOW C MORSE, 515A, DR 30 Jun 55
WILLIAM L KENNEDY, 517A, DR 1 Jul 55
GEORGE F MCGUIRE, 539A, DR 2 Jul 55
EDWARD B GALLANT, 577A, DR 3 Jul 55
JULIAN M CHAPPELL, 583A, DR 4 Jul 55
EDWARD N BACKUS, 604A, DR 5 Jul 55
ROBERT L SCOTT, JR, 640A, DR 6 Jul 55
JAMES S CATHROE, 18821A, DR 7 Jul 55
ROBERT E LEE, 9032A, DR 8 Jul 55
WILLIAM C KINGSBURY, 923A, DR 9 Jul 55
CHARLES A HEIM, 1013A, DR 10 Jul 55
HASKELL E NEAT, 1047A, DR 11 Jul 55
GEORGE W DANY, 1061A, DR 12 Jul 55
PERRY B DE WIT, 1075A, DR 13 Jul 55

0310

WILLIAM H WISE, 1083A, DR 14 Jul 55
JOHN W WHITE, 1087A, DR 15 Jul 55
ROBERT M STILLMAN, 1114A, DR 16 Jul 55
THOMAS J GENT, JR, 1130A, DR 17 Jul 55
DOLF E MUEHLEISEN, 1144A, DR 18 Jul 55
HAROLD L NEELY, 1161A, DR 19 Jul 55
JOHN E MURRAY, AO372910, DR 20 Jul 55
EMMETT B CASSADY, 1095A, DR 21 Jul 55
CECIL E COMBS, 1203A, DR 22 Jul 55
LAWRENCE C CODDINGTON, 1275A, DR 23 Jul 55
AVELIN P TACON, JR, 1566A, DR 24 Jul 55
CLAUDE E PUTNAM, JR, 1593A, DR 25 Jul 55

BY ORDER OF THE SECRETARY OF THE AIR FORCE:

OFFICIAL:



N. F. TWINING
Chief of Staff, United States Air Force

E. E. TORO
Colonel, USAF
Air Adjutant General

0311

HEADQUARTERS
3RD AIR DIVISION (DEFENSE) (ADC)
Crosby Air Force Station
Spartanburg, New York

GENERAL ORDERS)
NUMBER 15)

8 November 1955

VOC on 26 Aug 55 - 1st EOPWC. ASSIGNMENT OF AIDE-de-CAMP. FIRST
LIEUTENANT CHARLES B WEIR, 2730A, this headquarters is assigned as Aide-de-
Camp to BRIGADIER GENERAL ROBERT S ISRAEL JR, 354A, this headquarters, effective
26 August 1955.

BY ORDER OF THE COMMANDER:

OFFICIAL:

L. W. Howe
LIEUTENANT W HOWE
MAJOR, USAF
Adjutant

BRIAN O'NEILL
Colonel, USAF
Vice Commander

DISTRIBUTION:

B
1 Copy - 1st Lt - 4707th & 4711th
Air Defense Wings
1 Copy - Records Officer, Kansas
City, Missouri

300

0312

HEADQUARTERS
32D AIR DIVISION (DEFENSE) (ADC)
Syracuse Air Force Station
Syracuse 6, New York

GENERAL ORDERS)
NUMBER 12)

8 August 1955

COLONEL BRIAN O'NEILL, 1826A, United States Air Force, is assigned duty as Vice
Commander vice COLONEL WILLIAM W. IMBERHUTZ, 1722A, relieved. Effective 8 August 1955.

BY ORDER OF THE COMMANDER:

OFFICIAL:

EVERITT W HOWE
Major, USAF
Adjutant

Robert W. Reinhold
for EVERITT W HOWE *and det.*
Major, USAF
Adjutant

DISTRIBUTION:

B
Plus: 100 Cys - 4707th & 4711th
Air Defense Wings
2 Cys - Records Center, Kansas
City, Missouri

0315

HEADQUARTERS
32D AIR DIVISION (DEFENSE) (ADC)
Syracuse Air Force Station
Syracuse 6, New York

GENERAL ORDERS)
NUMBER 11)

STAFF ANNOUNCEMENT

15 July 1955

WOC on 13 Jul 55 and ESPWO. COLONEL WILLIAM W INGENHUTT, 1722A, USAF, is assigned duty as Acting Vice Commander vice COLONEL GORDON F THOMAS, 4524A, relieved.

BY ORDER OF THE COMMANDER:

OFFICIAL:

Robert W Reinhold

ROBERT W REINHOLD
2NDLT, USAF
Assistant Adjutant

EVERETT W HOWE
Major, USAF
Adjutant

DISTRIBUTION:

8

0314

C O R R E C T E D C O P Y - - - - - D E S T R O Y A L L O T H E R S

HEADQUARTERS
32D AIR DIVISION (DEFENSE) (ADC)
Syracuse Air Force Station
Syracuse 6, New York

GENERAL ORDERS)
NUMBER 13)

26 October 1955

STAFF ANNOUNCEMENT

VOC on 17 Oct 55 cfmd ESPWO. COLONEL GORDON F THOMAS, 5424A, USAF is appointed additional duty as Acting Vice Commander in the temporary absence of COLONEL BRIAN O'NEILL, 1826A, effective 17 Oct 55.

BY ORDER OF THE COMMANDER:

OFFICIAL:

EVERITT W HOWE
Major, USAF
Adjutant

Everitt W. Howe
EVERITT W HOWE
Major, USAF
Adjutant

DISTRIBUTION:

B
Plus: 100 Cys - 4707th & 4711th
Air Defense Wings
2 Cys - Records Center, Kansas
City, Missouri

0315

HEADQUARTERS
3RD AIR DIVISION (DEFENSE) (ADC)
Syracuse Air Force Station
Syracuse 4, New York

GENERAL ORDERS
NUMBER 14

4 November 1955

STAFF ANNOUNCEMENT

VOC on 29 Oct 55 ofmd ESPWC. COLONEL GORDON F THOMAS, 5424A, USAF, is relieved of additional duty as Acting Vice Commander, eff 29 Oct 55.

BY ORDER OF THE COMMANDER:

OFFICIAL:

Everitt W. Howe
EVERITT W HOWE
Major, USAF
Adjutant

BRIAN O'NEILL
Colonel, USAF
Vice Commander

DISTRIBUTION:

- 1 Plac: 100 Cys - 4707th & 4711th
Air Defense Wings
- 2 Cys - Records Center, Kansas
City, Missouri

HEADQUARTERS
3RD AIR DIVISION (DEFENSE) (ADC)
Syracuse Air Force Station
Syracuse 6, New York

GENERAL ORDER
NUMBER 139

30 November 1955

General Order Commander on 28 November 1955 confirmed assignment of the warlike
category and such as to preclude the issuance of equipment unless in advance.
CAPTAIN LESLIE C HEARTZ, A0245702, this Headquarters, is appointed additional duty as
Acting Commander in the temporary absence of COLONEL BRIAN C REEVE, USAF, effective
1 December 1955.

BY ORDER OF THE COMMANDER:

APPROVED:

Bueritt W Howe

BURRITT W HOWE
Major, USAF
ADC

LESLIE C HEARTZ
Colonel, USAF
Acting Vice Commander

DISTRIBUTION:

- 1 - 100 Copies - 4707th and 4711th
Air Defense Wings
- 2 Copies - Records Center, Kansas
City, Missouri

HEADQUARTERS
32D AIR DIVISION (DEFENSE) (ADC)
Syracuse Air Force Station
Syracuse 6, New York

GENERAL ORDERS)
NUMBER 20)

8 December 1955

STAFF ANNOUNCEMENT

1. Verbal Order Commander on 6 December 1955 is confirmed exigencies of the service having been such as to preclude the issuance of competent written orders in advance. COLONEL WILLIAM W INGERSHUT 1822A, this headquarters, is appointed Acting Vice Commander during the temporary absence of COLONEL BRIAN O'NEILL, 1826A, vice COLONEL LESLIE C HEARZE, A0245702, relieved effective 6 December 1955.

2. Verbal Order Commander on 1 December 1955 is confirmed exigencies of the service having been such as to preclude the issuance of competent written orders in advance. LIEUTENANT COLONEL JAMES K LOVETTE, 6002A, this headquarters, is appointed Acting Inspector General, effective 1 December 1955.

BY ORDER OF THE COMMANDER:

OFFICIAL:

Everitt W. Howe
EVERITT W HOWE
Major, USAF
Adjutant

WILLIAM W INGERSHUT
Colonel, USAF
Acting Vice Commander

DISTRIBUTION:

- B
- Plus: 100 Copies - 4707th and 4710th
Air Defense Wings
- 2 Copies - Records Center, Kansas
City, Missouri

HEADQUARTERS
DEFENSE DIVISION (DEFENSE) (ADC)
Air Force Station
New York

November 1955

CHAPLAIN (MAYOR) ROBERT S. [unclear], 10419436,
[unclear] 21 Oct 55.

BRIAN O'NEILL
Colonel, USAF
Vice Commander

HEADQUARTERS
3RD AIR DIVISION (DEFENSE) (ADD)
Sprague Air Force Station
Spartanburg, S. C., New York

GENERAL ORDER
NUMBER 10

21 November 1955

STAFF ASSIGNMENT

On the expiration of Air Force Regulation 35-54, MAJOR PETER VERBECK GS00A, United States Air Force, assigned duty as Commander, Headquarters Squadron Section, Headquarters 3RD Air Division (Defense) effective 21 Nov 55 vice CAPTAIN PHILIP A. MARSHO ADD5510, United States Air Force, relieved.

BY ORDER OF THE COMMANDER:

OFFICIAL:

Everett W Howe
EVERETT W HOWE
Major, USAF
Adjutant

BRIAN O'NEILL
Colonel, USAF
Vice Commander

DISTRIBUTION:

- 1 - 3RD AIR DIVISION
- 1 - 3RD AIR DIVISION WING
- 1 - Squadron Commander, King
- 1 - Squadron Commander, King
- 1 - Squadron Commander, King

MEDICAL HISTORICAL REPORT

OF THE ASSIGNED

AIR-CRAFT & WARNING SQUADRONS
1 JULY 1955- 31 DECEMBER 1955



COMPILED BY

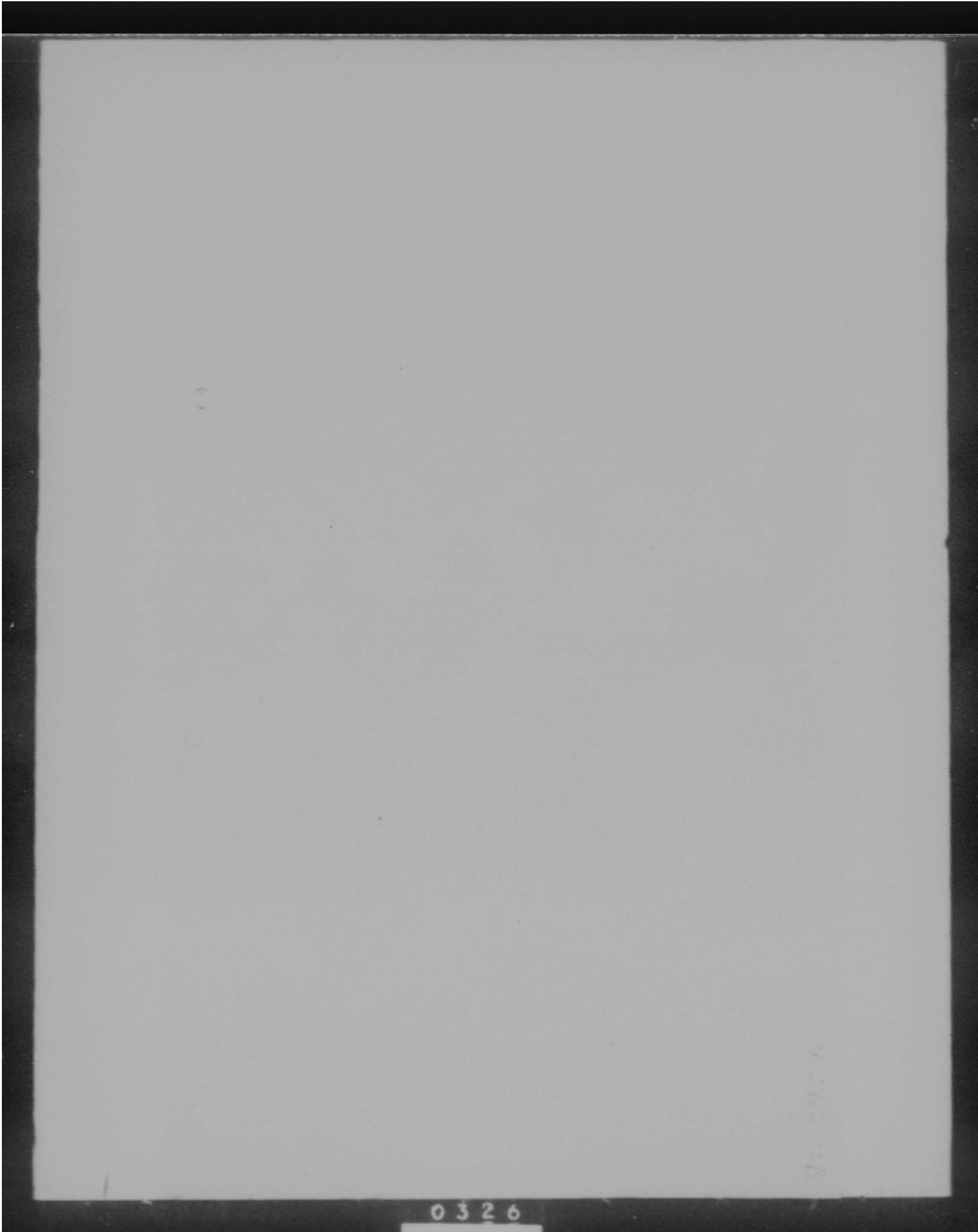
THE DIVISION MEDICAL AND DENTAL SECTIONS
HEADQUARTERS 32D AIR DIVISION (DEF)
SYRACUSE A.F. STATION, SYRACUSE 6, N.Y.

*ADC
1-11*

*V.P.
July-Dec 1955
K-Div 32-111*

4-2162-218

0325



0326

MEDICAL HISTORICAL REPORT
of the
32D AIR DIVISION (DEFENSE)
and
TEN AIRCRAFT WARNING SQUADRONS

RCS: AU-D6

AIR DEFENSE MEDICAL FACILITIES

1 July 1955 - 31 December 1955

Historical Personnel:

NICKOLAS F. KOBYLK
Captain, USAF (MSC)
(Division Administrator)

WILLIAM T. SHULTZ
Captain, USAF (MC)
(Division Surgeon)

CHAIN OF COMMAND

UNITED STATES AIR FORCE
AIR DEFENSE COMMAND
EASTERN AIR DEFENSE COMMAND
32D AIR DIVISION (DEFENSE)

0327

TABLE OF CONTENTS

FOREWORD

PAGE

I. BROAD OBSERVATIONS 1

 HEALTH OF THE COMMAND 1

 MISSION OF THE COMMAND 1

 TYPE OF MEDICAL SUPPORT 2

 MEDICAL RELATIONSHIPS - COMMAND AND STAFF 3

II. PLANS AND HOSPITALIZATION 4

 MEDICAL ORGANIZATION 4

 MEDICAL ADMINISTRATION 5

 MANPOWER 6

 FUNDS 7

 HOSPITAL CONSTRUCTION 8

 MEDICAL MATERIEL 8

 AIR EVACUATION 9

III. MEDICAL STAFFING AND EDUCATION 11

 RATIO OF MEDICAL PERSONNEL 11

 REPLACEMENTS 11

 CAREER FIELDS 11

 TRAINING AND EDUCATION 12

IV. PROFESSIONAL SERVICES 13

 PHYSICAL STANDARDS 13

 AVIATION MEDICINE 13

 MEDICAL SPECIALTIES 14

0328

TABLE OF CONTENTS
(Continued)

	PAGE
PREVENTIVE MEDICINE	15
Environmental Sanitation	15
Personnel Hygiene	15
Communicable Disease	15
Atomic, Biological and Chemical Warfare Activities	15
Preventive Medicine Team	15
OUTPATIENT CARE	16
DEPENDENT CARE	16
SUPPORT OF SPECIAL PROGRAMS	16
V. DENTAL SERVICE	18
MISSION	18
ORGANIZATION	19
PERSONNEL	19
RESEARCH	20
EQUIPMENT AND SUPPLIES	20
VI. VETERINARY SERVICE	22

SUPPORTING DOCUMENTS
(A through K)

FOREWORD

This history of Air Defense Medical Facilities including ten AC&W Squadrons and the Dispensary at Division Headquarters, covering the period June through December 1955, is presented with the idea in mind that it may be of use in evaluating the Air Defense Command medical program of the latter part of 1955.

During the last six months of 1955, the medical facilities and the dental section endeavored to carry out the primary aims of Air Force medicine in protecting and maintaining the health of all Air Force personnel. However, their programs were limited due to lack of qualified personnel. The replacement of trained medical personnel leaves much to be desired and presents a problem in maintaining good medical services. Steps are continually being taken to eliminate as many problems as possible to bring about greater efficiency and effectiveness of both the medical and dental services.

The medical historian wishes to thank the many people who have aided in the compilation of this history. Notes of gratitude are due the following personnel: M/Sgt Martin J. Weimar, 32d Air Division Medical Administrative Supervisor, A/2C James A. Zaccari, and Mrs. Jayne Baranello. Their understanding of the problems of the Medical Section greatly aided the historian in the writing of this report. Special note of gratitude is due Mrs. Jayne Baranello for her assistance in typing this history and compiling data.

0330

CHAPTER I - BROAD OBSERVATIONS

HEALTH OF THE COMMAND

The general health of the command continues to be good. Prompt and accurate diagnosis of diseases and injuries, activity in the preventive medicine field, including sanitary inspections of barracks, food service facilities, barber shops and administration buildings, and instruction in personal hygiene methods contributed to the maintenance of good health. Upper respiratory diseases were held to a minimum. No epidemic type of diseases were noted.

MISSION OF COMMAND

The mission of the 32d Air Division (Defense) in order of general priority are: To conduct the air defense of the United States within a sector¹ of a region designated for Eastern Air Defense Force by headquarters Continental Air Defense Command²; to support the operation of other commands as directed by Eastern Air Defense Force; to participate in the United States Air Force collateral mission of anti-submarine warfare as directed by Headquarters, Eastern Air Defense Force; to provide directly assigned units with specific mission directives and insuring that all other subordinate units are similarly provided. Further, providing the following: disseminating Civil Air Defense warning information,

¹ Area of Responsibility, Division Medical Section. (s. d. A)

² As defined in Par 3, General Order 19, dtd 26 Dec 55 (s. d. B)

preparing units for overseas deployment as directed, and providing trained individual replacements as required and directed by higher headquarters; performing those functions as directed in Air Defense Command Regulation 24-6, dated 8 July 1953; participating in disaster relief and domestic emergencies in accordance with plans formulated by Continental Air Command to the extent consistent with the requirements of the primary mission; establishing and maintaining communication facilities as required with units of the RCAF, ADC, USN, WSA, CAA, FCC, etc., for the exchange of Air Defense operational and warning information; preparing plans for the internal security and local ground defense of Eastern Air Defense Force installations as directed and performing such other functions as may be directed by the Commander, Eastern Air Defense Force.

TYPE OF MEDICAL SUPPORT

Types of medical support necessary to carry out the overall mission of the 32d Air Division (Defense) during the period 1 June 1955 to 31 December 1955 were as follows: To provide information and advice to the Commander on medical matters. To supervise medical services activities of command relative to sanitation, medical, surgical and dental service, technical training of medical and other personnel and employment of medical facilities. To prepare plans for the operation of the medical service and medical supply of the command and further to supervise the execution of

0332

these plans. To prepare policy statements in the form of regulations and bulletins. To interview and make recommendations to squadron sites for the purpose of inspection and instruction. To fulfill all requests and requirements for such medical reports as are required by higher headquarters. To administer medical service programs including maintenance of health standards, training and use of personnel and establishment and operation of medical sections assigned. To conduct monthly staff visits to all AC&W Squadrons assigned.¹ Emphasis on adequate professional care to be rendered to dependents at the sites is considered as one of the most important missions, second only to the care of military personnel and medical inspections.²

MEDICAL RELATIONSHIPS - COMMAND AND STAFF

Relations between the command and the medical staff continues to be excellent. The Division Commander, Brigadier General Robert S. Israel, Jr., USAF, has constantly insisted that not only all sections of the Division Headquarters, but also all AC&W Squadron commanders give necessary support and cooperation to the medical and veterinary staff. Continued aid in effecting greater utilization of available medical personnel by freeing medical officers and airmen from detailed administrative duties not specifically required by regulations, was also given by the command.

¹ See Chart, "Scope of Medical Staff Inspections". (s.d. C)

² Ltr EADSG dtd 29 Mar 55, Subj: Command Medical Policy. (s.d.D)

CHAPTER II - PLANS AND HOSPITALIZATION

MEDICAL ORGANIZATION

The medical installation included the Office of the Division Surgeon, Division Veterinarian, Dispensary and the Dental Clinic.¹

The medical organization was based upon the principles of providing medical care to all military and their dependents and accomplishing medical administrative duties for not only all Aircraft Control and Warning Squadrons, but also the personnel assigned to the Headquarters, 32d Air Division (Defense).

Physical examinations of all flying personnel was accomplished by support medical installations since trained personnel and necessary equipment was lacking at all AC&W sites and the dispensary at the 32d Air Division (Defense).

The Division Veterinarian Section conducted the preventive medicine program throughout the division from 11 November 1955. The Division Surgeon has continued to advise the Division Commander on matters incident to the health of the command as a whole.

The operation of the squadron medical organization during this reporting period was considered as adequate as previously reported with similar exceptions. Cases of minor illnesses and cases requiring medical observation could not be handled at the squadron dispensaries because no medical beds were authorized.² Thus

1 For relation to entire Medical Dental Organization see Chart (s. d. E)

2 This is with exception of the 654th AC&W Squadron at Brunswick Naval Air Station which had the use of the Naval Infirmary at its disposal.

such cases had to be treated either in quarters or evacuated to the nearest USAF hospitals, at distanced from the squadrons ranging from eight to one hundred thirty five miles.¹

Liaison and relations between the division surgeon and the various medical facilities and the AC&W Squadron Commanders were excellent as to authority and responsibility.

MEDICAL ADMINISTRATION

The medical administration of the whole division has greatly improved due to the close liaison with medical personnel at the sites and the more frequent medical staff visits which always included an administrative person. The types of medical administrative support necessary to carry out the overall mission of the 32d Air Division (Defense) during this period were as follows: To administer medical service program including organization, operation and training of medical units. To determine current and projected personnel, facilities and material requirements for medical services program considering such factors as mission of units and availability of trained personnel. To determine rations of medical units and personnel required to achieve properly balanced medical support. To develop training programs for medical services personnel. To advise division commander of budget requirements for medical program and use of funds. To consult with supply personnel on budget requirements for operation of supply program. To supervise

¹ Data on distance of U. S. Govt. Operated Medical Facilities that are nearest to Air Force Station of the 32d Air Division (Defense). (s. d. F)

6

all administrative matters associated with the execution of medical policies within the Division. To supervise the preparation, maintenance and routing of correspondence, personnel records, statistical reports, periodic and special reports, supply records, medical records and files. To monitor the administration and proper preparation of medical records throughout the command.

MAN POWER

There was no change in the non-T/O during this period.¹

The On-the-Job Training Program continues in effect, but there is one incidence of failure to qualify in the USAF job knowledge test at Limestone, Maine. The airman has waited the required period and has been reexamined, the results of which are forthcoming. As of this date qualified medical technicians are assigned each squadron as NCOIC of the medical section. In several instances personnel of another career field have been assigned duty with the medical section on a temporary basis, therefore, the time and results obtained by an on-the-job training program would not tend to increase the potential of the medical section. Further, it has a very opposite effect on trained and experienced medical personnel to withdraw the desire to pass on any information that would normally benefit an individual so placed in the position for positive assignment to that particular AFSC.

¹ Non-T/O Personnel Authorization Table, 31 December 1955.
(s. d. G)

0336

FUNDS

The first allocation of medical service funds for the period 1 July 1955 through 31 December 1955 was not sufficient to carry out the mission as laid down by higher headquarters. Total funds requested for the fiscal year amounted to \$43,627.00, however, only \$23,021.00 was approved at first. Request for additional funds with justification was submitted 18 July 1955. The total approved at this time was \$6,077.00, making a grand total of \$29,098.00 as working capital for the fiscal year.

Funds allocated were utilized as follows:

	<u>Total Allocated</u>	<u>Total Utilized</u>
1. Personal Services:	\$ 9,366.00	
a. Dispensary (Part-time doctor)		\$ 2,274.00
b. Division Medical Service (Civilian)		\$ 1,668.00
2. Travel (TDY)	\$13,957.00	
a. Dental Section		\$ 3,456.66
b. Medical Section		\$ 895.59
3. Medical Material		
a. Stock Fund Procurement	\$ 5,475.00	
(1) Dispensary		\$ 1,494.20
(2) Dental		\$ 1,092.40
b. Local Procurement (Dental Only)	\$ 300.00	\$ 133.97
	<hr/>	<hr/>
	TOTAL \$29,098.00	\$11,014.82
Remaining for 3rd and 4th quarters of Fiscal Year		\$18,083.18

The amount allocated was not sufficient to fulfill the required mission of both the Dental and Medical sections. TDY was greatly curtailed.

HOSPITAL CONSTRUCTION

No new construction was made at the 32d Air Division (Defense) area. However, a room of the Dispensary was given to the Veterinary¹ Section in November 1955.

The Dispensary of the 655th AC&W Squadron located at Watertown, New York moved from the upper two rooms of the airmen's barracks. The Dispensary consists of three rooms located on the ground floor of the NCO housing unit. The treatment room houses a new sink and equipment for examination and treatment of patients. This move has greatly benefited the personnel by rendering a more private doctor-patient relationship. The morale at this site has increased partially due to the movement of the Dispensary.

The only new acquisition to the 32d Air Division (Defense) was the Texas Tower Annex #2 in November 1955 which is located off the shores of Massachusetts.

MEDICAL MATERIEL

A medical supply account number (AFM 2568) was reassigned to Syracuse Air Force Station. This account, however, has never been activated due to a shortage of building space and need for additional qualified personnel. Excellent liaison is maintained with Griffiss

¹ Floor Plan, Medical Dental, Veterinarian Sections, 32d Air Division (Defense) (s. d. H)

Air Force Base, Rome, New York. All required medical and dental supplies were obtained from Griffiss Medical Supply with little difficulty.

Due to change-over of personnel in the unit supply section, some difficulty was experienced in obtaining the necessary forms.

Some of the AC&W squadrons assigned have been requisitioning ingredients to compound their own cough medicine and ointments. This was recommended because some of the Medical Technicians were unable to anticipate the requirements for any given period, thus causing exhausted stocks followed by special trips to their support bases to procure more. Rather than spend the time and money going to and from their support bases, it was more effective and economical to compound their own mixtures. The assigned part-time civilian doctors at the AC&W squadrons control the compounding of medicines.

Requisitioning of medical supplies is based on Column A, ECL 20-90-10, dated January 1953. Authority was established by AF Pamphlet 160-8-901, dated 17 April 1953.

AIR EVACUATION AND TRANSPORTATION OF SICK AND WOUNDED

Since two Air Force Hospitals are within a radius of fifty miles of this headquarters and dispensary, air evacuation, although available to this air field, was not utilized.

An individual squadron survey was conducted by mail on the feasibility of utilizing local ambulance and taxi service at all AC&W squadrons. The cost of most civilian transportation was given at a flat rate with no guarantee of service in adverse weather or

10

in case of break down of equipment. Further, a waiting period estimated at twenty to twenty five minutes would be necessary for transportation to reach the squadrons. Therefore this project was abandoned due to the impracticability and a continuation of government transportation is in order.

No air fields exist at the assigned AC&W sites, therefore, all evacuation to military hospitals is accomplished by military ambulances.

0340

CHAPTER III - MEDICAL STAFFING AND EDUCATION

RATIO OF MEDICAL PERSONNEL

The ratio¹ of medical personnel to the total personnel of assigned AC&W squadrons fluctuated in August 1955 but otherwise remained approximately the same during this report period. Turn-over of qualified medical personnel at various sites was noted in the quality of medical administrative work received by the Division Medical Administrative Section.

The services of various medical programs has been satisfactory.

REPLACEMENTS

During the period covered by this report replacement personnel have not arrived in sufficient time to allow departing medical personnel to properly brief new technicians in the various phases of operating a dispensary. There has been a minimum of 7 level medical personnel² transferred into any of the AC&W sites thus creating a low standard of technician proficiency and administrative know how.

CAREER FIELDS

All professional medical personnel are non regular. Of the airmen, the reenlistment rate has been high due to the new reen-

1 Chart-Ratio of Medical Personnel to Total Command Strength.
(s. d. I)
2 Medical and Dental Personnel Strength, 1 July and 31 December 1955. (s. d. J)

12

listment program. The desire to reenlist at present station has not been prevalent. All personnel desire assignment at hospitals. They like the duty but prefer to be at bases where dependent care, not only out-patient service, but also in-patient service, can be received.

TRAINING AND EDUCATION

On-the-job training by one AC&W squadron was accomplished by having the medical personnel spend some time at the logistical support base infirmary. An increase in his potential was evident. Further opportunities for education were made available through USAFI. Civilian schools and colleges have made a certain amount of education courses available in the evenings. There has been no marked indication of use of these facilities.

In general, medical personnel have shown no signs of or desire to better their education during this period.

0342

CHAPTER IV - PROFESSIONAL SERVICES

PHYSICAL STANDARDS

No problems were encountered which reflect upon the inadequacy of physical standards for military service and the maintenance of physical fitness. In regards to flying personnel, only two officers were suspended from flying for a period of not over 60 days during this period.

AVIATION MEDICINE

The morale and general health of flying personnel were good. There has been a slight seasonal increase in acute upper respiratory diseases during this period which required control, however, there has been no serious stress or fatigue producing factors during the period.

The practice of clinical medicine and physical examination continues to be seriously limited due to the lack of equipment and the size of this facility.

During the period, this station operated only a small outpatient dispensary in a suite of rooms located in the bachelor officers quarters.

All routine and flying examinations had to be requested of the 2845th USAF Hospital, Griffiss Air Force Base, Rome, New York, 45 miles distant. In-patient care of flying personnel was also rendered by this hospital.

14

There were approximately 46 pilots, 10 others, and 5 crew chiefs assigned or attached to the headquarters for flying during the period. Many man hours were lost on annual and routine examinations because of the distance personnel must travel to obtain the necessary x-ray and laboratory studies required for these examinations. Increased efforts to obtain more equipment, floor space, and trained medical personnel are being continued.

Periodic flying safety meetings were conducted for assigned flying personnel at regular intervals. It was found that there was adequate flying safety material available at all times to the pilots. Personnel equipment was satisfactory in quality and quantity during this period.

MEDICAL SPECIALTIES

No medical specialties were practiced except for aviation and preventive medicine. A Veterinary Officer, AFSC 9921 and one Veterinarian Technician, AFSC 90850, were assigned for duty to this headquarters in November 1955. Otherwise no professional personnel with specialty classification were present or assigned for duty.

Any other specialty treatments that arose were referred to either the 2845th USAF Hospital, Griffiss Air Force Base, Rome, New York or the 3650th USAF Hospital, Sampson Air Force Base, Geneva, New York

0344

15

PREVENTIVE MEDICINE

ENVIRONMENTAL SANITATION

Environmental sanitation problems encountered during the period were solved with little difficulty.

PERSONNEL HYGIENE

Sanitary discipline and physical condition of troops continues to remain satisfactory. Bathing facilities are adequate but are being used to the maximum due to the constant increase of personnel housed on the base. This is especially true in the male airman quarters. This problem can be corrected with the building of additional quarters.

COMMUNICABLE DISEASES

There has been a slight increase in seasonal acute common respiratory diseases which required control. This was probably due to the fact that the influenza immunizations were not administered until the early part of December 1955 and also the over crowded condition of the living quarters.

ATOMIC, BIOLOGICAL AND CHEMICAL WARFARE ACTIVITIES

No training of personnel was undertaken in defense against atomic, biological and chemical agents.

PREVENTIVE MEDICINE TEAM

The Preventive Medicine Program has increased during the last three months of the period due to the assignment of one Veterinarian Officer and one Veterinarian Technician in November 1955. The assignment of these personnel greatly alleviated the previous

0345

16

work load of the Division Surgeon and Staff. Several TDY trips for the purpose of sanitary inspections have been conducted to the various sites by the Veterinarian Officer and Veterinary Technician since their assignment.

As previously mentioned, the Division has taken great strides toward a better and more complete Preventive Medicine Program.

OUTPATIENT CARE

Outpatient care of military personnel at this headquarters has been adequate during the period. There is close liaison with nearby hospitals, both military and civilian, to which patients can be sent for hospitalization, consultation and laboratory tests.

A Base Surgeon is assigned to the Headquarters Squadron Section of the 32d Air Division (Defense) and, with the aid of trained medical personnel, handles all outpatient care of the Army, Navy, Marine, and Air Force personnel stationed in the Syracuse area.

DEPENDENT CARE

There is one part-time civilian physician employed at this headquarters who, with the aid of the assigned medical personnel, takes care of all military dependents in the Syracuse area.

SUPPORT OF SPECIAL PROGRAMS

BLOOD DONOR PROGRAM: A blood donor file is kept up to date at this facility for use in contacting voluntary blood donors in the

0346

17

event of an emergency.

The Red Cross blood collecting facilities have been made available and response to this program has been satisfactory.

0347

CHAPTER V - DENTAL SERVICE

MISSION

The command dental service provided care for Headquarters, 32d Air Division (Defense) and its attached units which consisted of ten AC&W Squadrons, Ground Observer Corps Units and incidental units located in and around Syracuse.

This service was accomplished utilizing a base dental clinic and three attached mobile dental units, two of which continually operated on the field and one at the base motor pool during part of the period.

It was found necessary to restrict dependent dental care to emergency treatment and consultation at this time due to the high workload and insufficient personnel. Service personnel were treated on a priority basis according to urgency of the condition.

The AC&W Squadrons were scheduled for visits by the mobile units approximately every six to nine months with the length of stay dependent on the dental health of all squadrons. Dental Health Classification Reports were received from these squadrons monthly and are the determining factor in scheduling dental unit movements¹. Scheduling is promulgated at least three months in advance and is coordinated with the Division Commander and Division Surgeon.

¹ 32d Air Division Regulation 160-7, dated 11 August 1953, Report of Dental Health Classification. (s. d. K)

19

ORGANIZATION

A shortage of trained dental personnel still exists as in the past. It is felt that lack of stability in the unit is a great deterrent to the ultimate functioning of the dental service. Training of a new officer and enlisted men to administrative duties and the attendant problems, which is so frequently necessary, could be greatly alleviated with the services of a civilian secretary.

Curtailment of the budget at this time permitted only two officers and two enlisted men to operate two mobile units on the field.

Progress was made on a project to investigate the possibility of having the bases near the points of operation of the mobile dental vans furnish vehicles and personnel for movements between the AC&W Squadrons.

It is believed, due to frequent and increased loss of man-hours because of mechanical difficulty encountered in the mobile dental units, that a study of the feasibility of installing the dental equipment from the mobile units in a dental operating room at each AC&W Squadron is warranted.

PERSONNEL

Personnel changes by December 1955 left a balance of five officers and five airmen. One officer, a First Lieutenant, received a promotion to Captain. This officer extended an addi-

0349

20

tional two months of his normal tour of duty. Two airmen were transferred from the section and two reported for duty. Major Charles J. Noga, USAF (DC), Dental Surgeon, was officially transferred to the detachment of patients at 3650th USAF Hospital, Sampson Air Force Base, Geneva, New York.

On-the-job training progressed satisfactorily and a study indicated possible improvements which are being put into effect.

RESEARCH

Due to present inadequate facilities, plus the workload on personnel concerned, no research has been undertaken.

EQUIPMENT AND SUPPLIES

Available facilities utilized in furnishing dental service to the command during this period included:

1. A base dental clinic at Headquarters, 32d Air Division (Defense), with two dental operating rooms. One X-ray unit and a small, but adequate, prosthetic laboratory.
2. Three attached mobile dental units with two complete operatories, X-ray equipment and prosthetic laboratory facilities. Two of the units were on the field continually while one operated at Headquarters, 32d Air Division (Defense), for the greater part of this period.

The major problem existing, as previously, is in maintaining the mobile units in operational condition. One unit was in the repair shop at Griffiss Air Force Base, Rome, New York from April 1955 to August 1955. This same unit was placed in operation at Headquarters, 32d Air Division (Defense), in August 1955 until late December 1955 when space heater failure developed.

0350

21

Difficulties were experienced in the field with the space heaters in the other two mobile units. Fortunately, repair men at the AC&W Squadrons were able to repair them satisfactorily. Other mechanical failures attendant with cold weather operation caused some loss in service.

Wherever possible, the units were operated in heated base motor pool buildings.

Supply problems have improved. However, burs and local anesthetic supplies were received only when available through medical supply channels and then only in small quantities.

0351

CHAPTER VI - VETERINARY SERVICE

A Division Veterinary Section was established in November upon the arrival of a Veterinarian and Veterinary Technician.

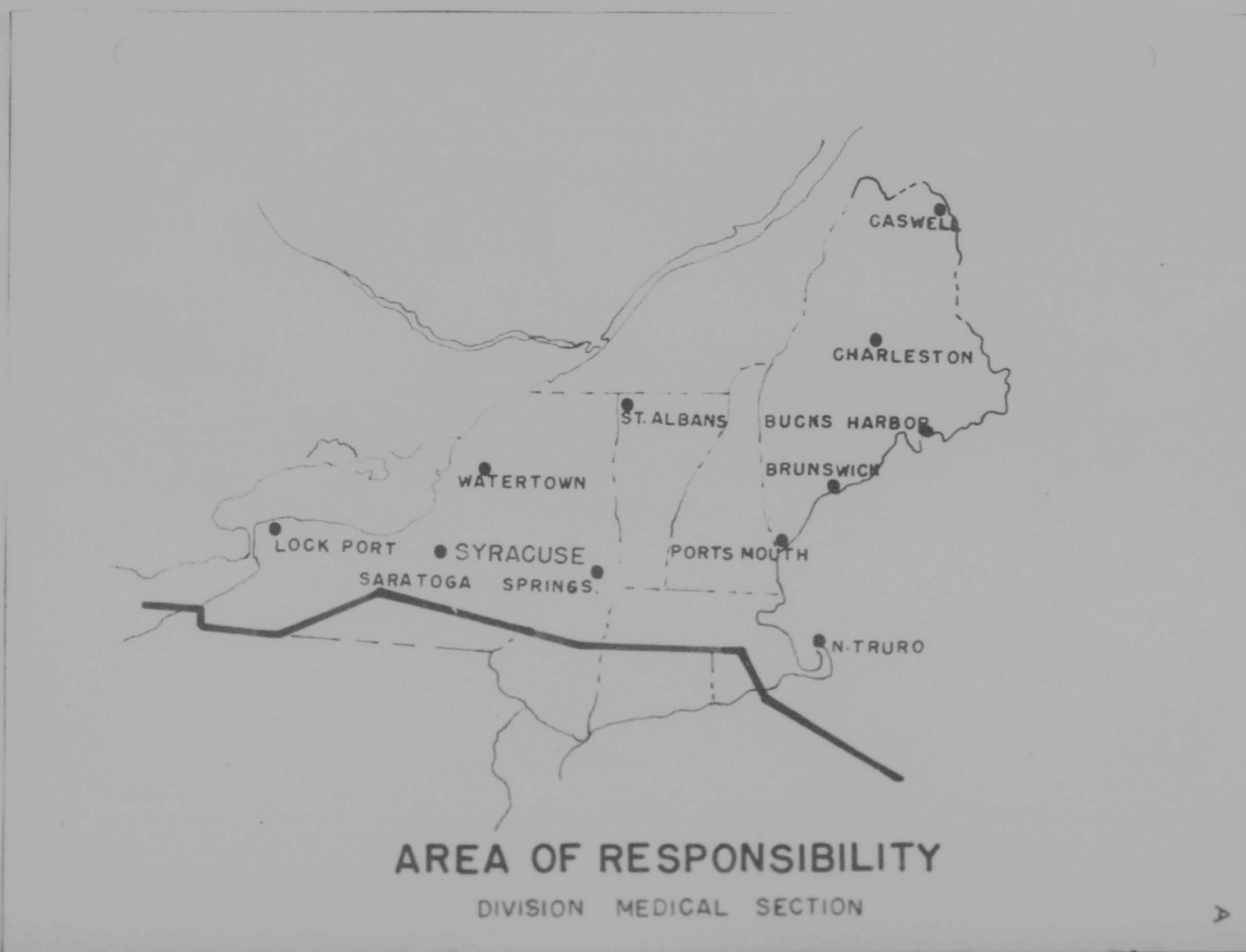
Requisitions have been placed for the appropriate professional books and journals. These requisitions have also included regulations, pamphlets, forms and the like peculiar to the function of this section.

A coordination visit was made to the support base veterinarian at Griffiss Air Force Base, Rome, New York. Liaison between the latter and this station is exceptionally cordial and effective.

Future plans include the making of monthly medical staff visits to the AC&W Squadrons assigned this Division for the purpose of conducting sanitary inspections of the food service facilities, living quarters, and to investigate, coordinate, standardize, and integrate veterinary functions within the Division as they pertain to the particular areas. Plans are being made to review and revise the Medical Passive Defense Program at the Division as deemed necessary to meet requirements. Medical, Dental, and Veterinary personnel will be given special indoctrination in the recognition and treatment of radiological, biological, and chemical warfare casualties.

SUPPORTING DOCUMENTS

0353



0354

B

HEADQUARTERS
CONTINENTAL AIR DEFENSE COMMAND
Fort Air Force Base
Colorado Springs, Colorado

GENERAL ORDERS)
NUMBER 10)

25 December 1955

REVISION OF GENERAL ORDERS.....I
ASSIGNMENT OF GEOGRAPHICAL AREAS OF RESPONSIBILITY.....II

I. REVISION OF GENERAL ORDERS---General Orders 1, 2, 4 and 5,
this headquarters, current series, are rescinded as of 0001Z, 1 March 1956.

II. ASSIGNMENT OF AREAS OF RESPONSIBILITY FOR JOINT REGIONAL AIR
DEFENSE FORCE AND JOINT AIR DIVISIONS--1. Assignment is made of the geo-
graphical boundaries of commands as indicated, effective 0001Z, 1 March
1956.

3. Area of responsibility of Joint Air Division (Defense).

a. Joint Eastern Air Defense Force.

(3) 32nd Joint Air Division (Defense)(Syracuse Sector).
That portion of the Joint Eastern Air Defense Force area of responsibility
inclosed by a line beginning at 43 degrees 00 minutes North - 65 degrees
15 minutes West; thence northwest to 44 degrees 49 minutes North - 66
degrees 50 minutes West; thence north and westward along the United States-
Canada International Boundary to 43 degrees 35 minutes North - 77 degrees
30 minutes West; thence southeast to 42 degrees 40 minutes North - 77
degrees 00 minutes West; thence east to 42 degrees 40 minutes North - 75
degrees 00 minutes West; thence northeast to 43 degrees 45 minutes North -
74 degrees 30 minutes West; thence east to 43 degrees 35 minutes North -
71 degrees 20 minutes West; thence east to 43 degrees 22 minutes North -
70 degrees 20 minutes West; thence southeast to 43 degrees 40 minutes
North - 66 degrees 00 minutes West; and including that area eastward to
the limit of radar surveillance and controlled flight-interceptor capabili-
ty adjacent to the Eastern seaboard east of the above described line.

BY ORDER OF THE COMMANDER IN CHIEF:

OFFICIAL:
s/t SALES W. STANLEY
Colonel, USAF
Command Adjutant

GEORGE F. SMITH
Major General, USAF
Chief of Staff

CERTIFIED
BY THIS COPY

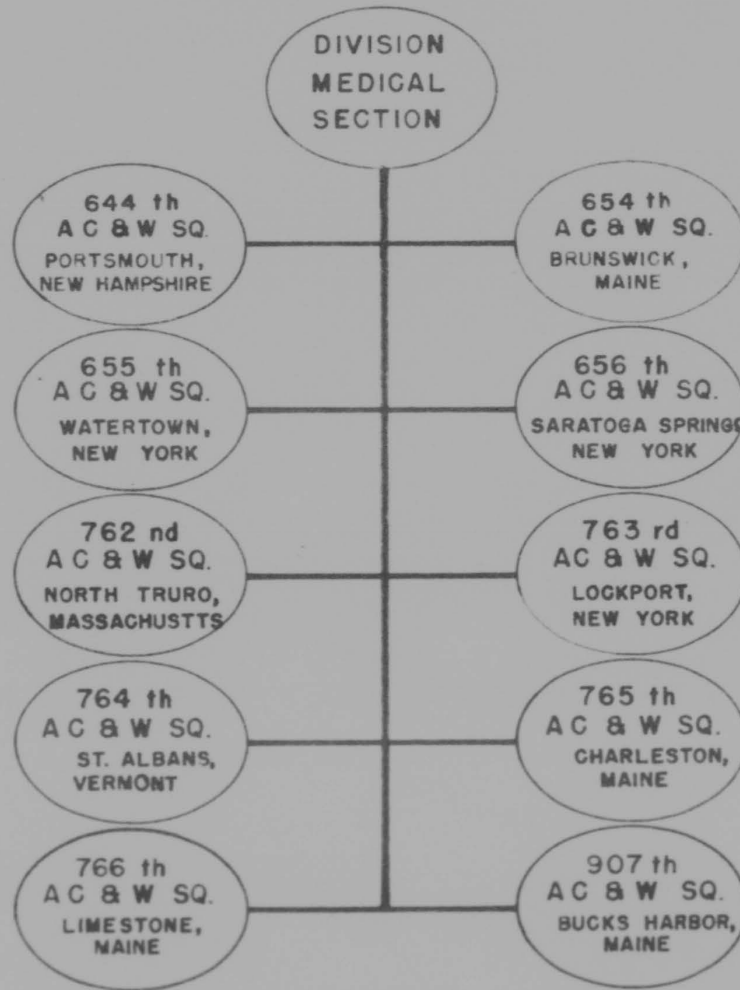
15 DECEMBER 1955

Nicholas J. Kopytko
NICHOLAS J. KOPYTKO
Colonel, USAF (1952)

0355

C

MEDICAL STAFF VISITS



0356

D

HEADQUARTERS
EASTERN AIR DEFENSE FORCE
Stewart Air Force Base, Newburgh, N.Y.

EADSG

29 March 1955

SUBJECT: Command Medical Policy

TO: Commander
32nd Air Division (Defense)
Syracuse Air Force Station
Syracuse 6, New York

The following letter from Headquarters Air Defense Command, File ADHSG, subject as above, dated 22 March 1955, is quoted for your information and compliance:

"1. It is of paramount interest to this Command that Air Force personnel assigned at isolated AC&W sites, and their dependents, be afforded the maximum amount of professional medical care which can be arranged for within the limit of practicability. This is in addition to the routine medical care provided by the specially trained medical technicians normally assigned.

2. In this connection, it is the policy of the Command that the Air Division Surgeon make professional visits to these sites as often as the military situation permits and in any event not less often than once per month except as noted below. This should be considered as one of his most important missions, second only to the care of military personnel and medical inspections. While arrangements with local physicians are ordinarily made to provide emergency professional care for military personnel, it is also desired, wherever military medical facility is within a radius wherein it is practicable, that arrangements be concluded with the surgeon thereof to provide dependents as well as the military personnel with the maximum amount of professional medical care that his facilities and personnel permit. If the local surgeon will assume responsibility for visits to the site, the division surgeon may diminish the frequency of his visits accordingly.

3. This Headquarters will continue its efforts to acquire liaison-type aircraft landing facilities near AC&W sites. Air Division Commanders are encouraged to make maximum use of this type of aircraft to transport division surgeons to the sites instead of time consuming surface transportation. This permits the maximum number of available professional man hours to be devoted to the conduct of professional duties which is pursuant to the policy of the Secretary of the Air Force, the Surgeon General, and the Surgeon of this Command.

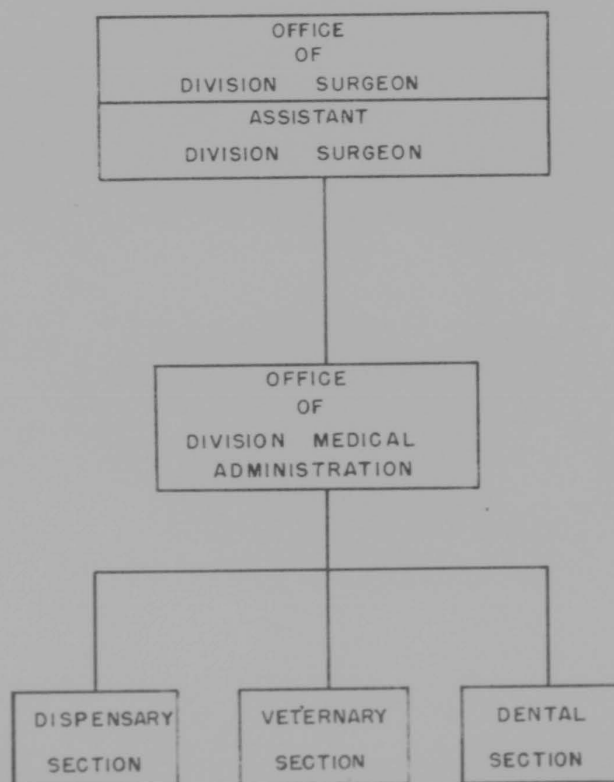
BY ORDER OF THE COMMANDER:

s/t/J. W. FOUNTAIN, JR.
Major, USAF
Asst Adjutant

0357

ORGANIZATIONAL CHART

1 JULY TO 31 DECEMBER 1955



0358

DATA ON THE DISTANCE OF US GOV'T OPERATED MEDICAL FACILITIES THAT ARE NEAREST TO AIR FORCE STATIONS OF
THE 32D AIR DIVISION (DEFENSE)

AF STATION NUMBER	NAME OF AF STATION	LOCATION OF AF STATION	NAME OF THE NEAREST US GOV'T OPERATED MEDICAL FACILITY	TYPE OF FACILITY	DISTANCE FROM AF STATION
644th	Rye Air Force Station	Portsmouth, New Hampshire	U.S. Naval Hospital Portsmouth, N. H.	Hospital	8 miles
654th	Brunswick Air Force Station	Brunswick, Maine	U.S. Navy Station Infirmary	Infirmary	Located on Station
655th	Watertown Air Force Station	Watertown, New York	2845th USAF Hospital Griffiss Air Force Base, Rome, NY	Hospital	80 miles
656th	Saratoga Springs Air Force Station	Saratoga Springs, New York	4059th USAF Hospital Westover AFB, Mass.	Hospital	125 miles
762d	North Truro Air Force Station	North Truro, Massachusetts	564th USAF Hospital Otis AFB, Falmouth, Mass.	Hospital	65 miles
763d	Lockport Air Force Station	Lockport, New York	USAF Infirmary Niagara Falls AFB, N.Y.	Infirmary	6 miles
764th	St. Albans Air Force Station	St. Albans, Vermont	517th USAF Infirmary Ethan Allen AFB, Winooski, Vt.	Infirmary	30 miles
765th	Charleston Air Force Station	Charleston, Maine	506th SAC Hospital Dow AFB, Bangor, Me.	Hospital	26 miles
766th	Caswell Air Force Station	Limestone, Maine	424 SAC Hospital Limestone AFB, Maine	Hospital	8 miles
907th	Bucks Harbor Air Force Station	Bucks Harbor, Maine	460th USAF Hospital Dow AFB, Bangor, Maine	Hospital	108 miles

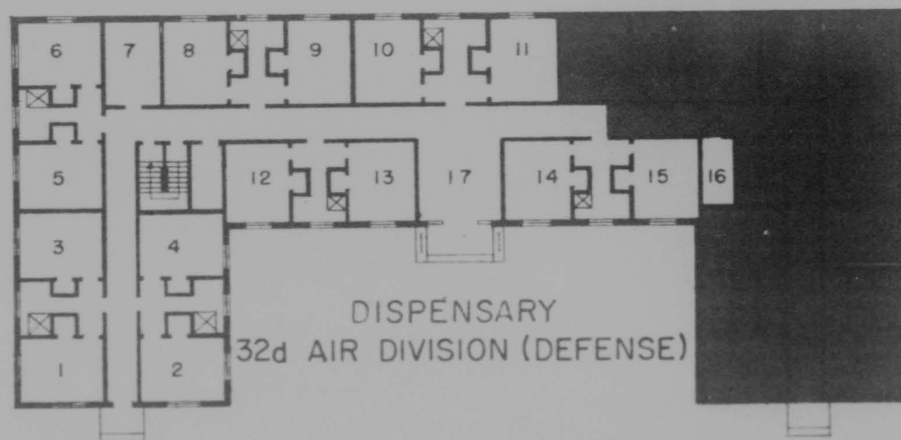
*TD FOR MEDICAL - DENTAL SECTIONS

HEADQUARTERS, 32D AIR DIVISION (DEFENSE) AS OF 31 DECEMBER 1955

FUNCTION CODE	TITLE	AFSC	TOTAL CIVILIAN	TOT OFF		GEN MSG	COL TSG	LT COL SSG	MAJ A/1C	CAPT A/2C	1LT A/3C	
				TOT AMN								
54200	MEDICAL ADMINISTRATION											
	Surgeon	9316			1			1				
	Medical Svs Adm'n	9025			1					1		
	Apr Med Adm'n Spec'l	90630			1					1		
	Medical Adm'n Spec'l	90650			2			2				
	Medical Adm'n Surv	90670			1	1						
	Stenographer	70252	1									
54130	PROFESSIONAL SERVICES											
	Med Off General **	9326	2									
	Med Attendant	90250	2	2					2			
	Medical Services Surv	90270	1	2		1						
54500	DENTAL SERVICE											
	Dental Off General	9826		5					1	4		
	Apr Dental Spec'l	98130		2						2		
	Dental Spec'l	98150		2					2			
	Dental Lab Tech	98270		2				2				
	Dental Technician	98120		1		1						
54600	PREVENTIVE MEDICINE											
Med Off General	9326		1						1			
54700	VETERINARY SERVICES											
Veterinary Technician	90870		1			1						

* Taken from Non T/O Personnel Authorization Table, P.A.V., 10 November 1955
 ** Authorized through the 32d Air Division (Defense)

0360

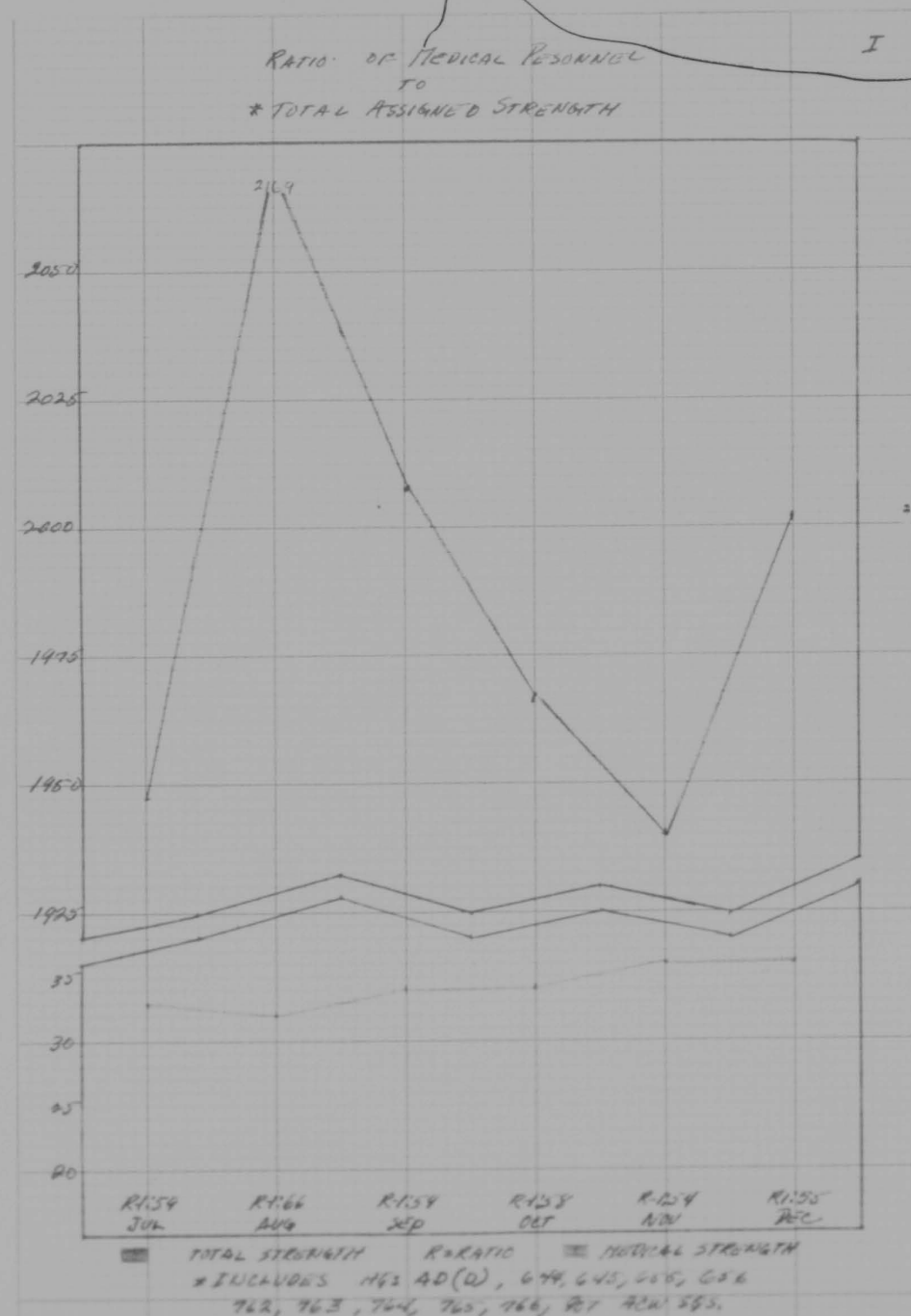


1. Dental Operating Room
2. Dental Operating Room
3. Dental Laboratory
4. Dental Administrative Office
5. Dental Surgeon's Office
6. Division Surgeon

7. Dental Supply Room
8. Medical Administrative Office
9. Medical Administrative Office
10. Sick Call Office
11. Base Surgeon's Office

12. Physical Examination Room
13. Veterinarian Office
14. Treatment Room
15. Treatment Room
16. Medical Supply Room
17. Waiting Room

0361



0362

MEDICAL AND DENTAL PERSONNEL STRENGTH
1 JULY 1955 AND 31 DECEMBER 1955

1 JULY 1955			31 DECEMBER 1955		
NAME	PRINCIPAL DUTY TITLE	PAFSC	NAME	PRINCIPAL DUTY TITLE	PAFSC
<u>OFFICE OF THE SURGEON AND DIVISION MEDICAL ADMINISTRATIVE SECTION AT HQ, 32D AB(D)</u>					
Capt. N. F. Kobylk	Med Adm	9025	Capt. N. F. Kobylk	Med Adm	9025
Capt. W. T. Shultz	Med Off Gen	9326	Capt. W. T. Shultz	Med Off Gen	9326
S/Sgt I. O. Dunson	Med Adm Specl	90650	M/Sgt M. J. Weisbar	Med Adm Specl	90670
A/SC J. A. Zaccari	Med Adm App	90630	A/SC J. A. Zaccari	Med Adm App	90630
Mrs. E. J. Baranello	Clerk-Steno (Civ)	70251	Mrs. E. J. Baranello	Clerk-Steno (Civ)	70251
<u>DIVISION VETERINARY SECTION AT HQ, 32D AB(D)</u>					
			1/Lt R. G. Little, Jr.	Vet Off Gen	9021
			A/IC J. J. Cole	Vet Specl	90850
<u>DEPT. 1 SECTION AT HQ, 32D AB(D)</u>					
Major G. J. Nees	Dental Off Gen	9026	1/Lt R. L. Goldberry	Dental Off Gen	9026
Capt. J. F. Prindles	Dental Off Gen	9026	1/Lt J. J. Snow	Dental Off Gen	9026
1/Lt G. J. Vanden	Dental Off Gen	9026	1/Lt G. J. Vanden	Dental Off Gen	9026

0363

<u>Name</u>	<u>Principal Duty Title</u>	<u>PAFSC</u>	<u>Name</u>	<u>Principal Duty Title</u>	<u>PAFSC</u>
<u>DENTAL SECTION (CONTINUED)</u>					
1/Lt R. B. Hooper	Dental Off Gen	9826	1/Lt R. B. Hooper	Dental Off Gen	9826
A/2C W. L. Wilt	Dental Spec1	98150	1/Lt F. F. Ienick	Dental Off Gen	9826
A/2C G. Westerdal	Dental Spec1	98130	A/1C R. Mawisnak, Sr.	Dental Tech	98150
A/3C J. W. Leary, Jr.	Dental Spec1	98130	A/1C J. R. Zac	Dental Tech	98150
A/3C G. W. Knapp	Dental Spec1	98130	A/2C W. L. Wilt	Dental Tech	98150
A/3C R. A. Esson	Den Lab Apr	98230	A/2C W. T. Wilson	Dental Tech	98150
			A/2C G. W. Knapp	App Den Spec	98130
			A/2C R. A. Esson	App Den Spec	98230
<u>BASE DISPENSARY AT MC. 32D AB(D)</u>					
1/Lt J. J. Skerr	Med Off Gen	9326	1/Lt J. J. Skerr	Med Off Gen	9326
T/1st C. A. Burress	Med Sv Supv	98270	T/1st C. A. Burress	Med Sv Supv	98270
A/1C A. Munoz	Sen Med Sv Spec1	98250	A/1st A. Munoz	Med Tech	98250
A/3C S. J. Richardson	Med Sv Apr	98230	A/1st E. Little	Med Tech	98250
A/3C S. E. Olson	Med Sv Apr	98230	A/1C S. E. Lake	Med Tech	98250
Dr. J. N. Katz	3/4 Time Civ Phys	9324(20)	A/3C S. E. Olson	Med Tech	98230
			A/3C G. W. Knapp	Med Tech	98230
			Dr. J. N. Katz	3/4 Time Civ Phys	9324(20)

<u>Name</u>	<u>Principal Duty Title</u>	<u>PAFSC</u>	<u>Name</u>	<u>Principal Duty Title</u>	<u>PAFSC</u>
<u>644TH ACGW SQ. PORTSMOUTH, N. H.</u>					
T/Sgt T. W. Speer	Med Sv Surv	90270	T/Sgt T. W. Speer	Med Sv Surv	90270
A/TC D. E. Mac Donald	Med Sv Spec1	90250	A/TC D. E. Mac Donald	Med Sv Spec1	90250
<u>653TH ACGW SQ. BRISWICK, ME.</u>					
A/TC F. J. Glenn	Med Sv Surv	90250	S/Sgt F. J. Glenn	Med Sv Surv	90250
<u>655TH ACGW SQ. WATERLOO, N. Y.</u>					
T/Sgt A. A. Wickens	Med Sv Surv	90270	S/Sgt J. P. Dello Stritto	Med Sv Surv	90270
S/Sgt J. P. Dello Stritto	Med Sv Surv	90270	Dr. L. C. Battista	1/2 Time Civ Phys	9326(10)
A/TC C. C. Roach	Gen Med Sv Spec1	90250			
Dr. L. C. Battista	1/2 Time Civ Phys	9326(10)			
<u>656TH ACGW SQ. SHERBORN SPRINGS, N. Y.</u>					
T/Sgt W. E. Clark	Med Sv Surv	90270	T/Sgt W. E. Clark	Med Sv Surv	90270
A/TC W. W. Galvin	Gen Med Sv Spec1	90250	T/Sgt C. E. Nelson	Med Sv Surv	90270
Dr. C. Collins	1/2 Time Civ Phys	9326(10)	Dr. C. Collins	1/2 Time Civ Phys	9326(10)
<u>762D ACGW SQ. WHITE PLAINS, MASS.</u>					
T/Sgt W. L. Lentzinger	Med Sv Surv	90270	T/Sgt W. L. Lentzinger	Med Sv Surv	90270
T/Sgt A. F. Poor	Med Sv Surv	90270	T/Sgt W. F. Gerard	Med Sv Surv	90270
A/TC J. W. Snyder	Med Sv Surv	90270	T/Sgt A. F. Poor	Med Sv Surv	90270

0365

<u>Name</u>	<u>Principal Duty Title</u>	<u>DAFSC</u>	<u>Name</u>	<u>Principal Duty Title</u>	<u>DAFSC</u>
<u>762D AC&I SQ, NORTH FURG (CONTINUED)</u>					
Dr. T. F. Ferry	1/2 Time Civ Phys	9325(1D)	A/2C J. W. Snyder	Med Sv Apr	90230
			Dr. T. F. Ferry	1/2 Time Civ Phys	9325(1D)
<u>763D AC&I SQ, LOCKPORT, N. Y.</u>					
T/2ct W. Ash	Med Sv Surv	90270	T/2ct W. Ash	Med Sv Surv	90270
A/2C G. I. Pretzer	Med Sv Apr	90010	A/2C G. I. Pretzer	Med Tech	90230
<u>764TH AC&I SQ, ST. ALBANS, VT.</u>					
S/2ct S. I. Levandoski	Sen Aero-Med Specl	90150	S/2ct C. A. Farris	Med Sv Surv	90270
A/1C R. J. Rushford	Med Sv Surv	90250	A/1C R. J. Rushford	Med Tech	90250
A/2C J. J. Rao	Med Sv Apr	90010	A/2C J. J. Rao	Med Sv Apr	90010
Dr. C. D. Marshall	1/2 Time Civ Phys	9325(1D)	Dr. C. D. Marshall	1/2 Time Civ Phys	9325(1D)
<u>765TH AC&I SQ, CHARLESTON, W. V.</u>					
T/2ct R. A. DuBert	Med Sv Surv	90270	T/2ct R. A. DuBert	Med Sv Surv	90270
A/2C D. F. Yacovace	Med Sv Apr	90010	A/2C D. F. Yacovace	Med Tech	90230
A/2C J. J. Fravalini	Med Sv Apr	90010	A/2C J. J. Fravalini	Med Tech	90230
Dr. I. J. Stithar	1/2 Time Civ Phys	9325(1D)	Dr. I. J. Stithar	1/2 Time Civ Phys	9325(1D)

<u>Name</u>	<u>Principal Duty Title</u>	<u>FAFSC</u>	<u>Name</u>	<u>Principal Duty Title</u>	<u>FAFSC</u>
<u>766TH ACAM SQ, LIMESTONE, E.</u>					
S/ Sgt D. I. Green	Med Sv Surv	90270	S/ Sgt D. I. Green	Med Sv Surv	90270
A/3C D. P. McCarthy	Med Sv Apr	90010	A/3C D. P. McCarthy	Med Sv Apr	90010
<u>907TH ACAM SQ, FLOCKS HARBOR, ME.</u>					
S/ Sgt V. W. Mitchell	Med Sv Srec1	90250	S/ Sgt V. W. Mitchell	Med Tech	90250

0367

K

32D ADR 160-7
Page 1 of 3
Pages

DIVISION REGULATION)
)
NUMBER 160-7)

HEADQUARTERS 32D AIR DIVISION (DEFENSE)
Hancock Field, Syracuse, New York
11 August 1953

MEDICAL SERVICE

Report of Dental Health Classification
(RCS: ACF-M2)

1. Purpose. This regulation established the procedure for reporting each month the dental health classification of personnel at AC&W Squadrons and Ground Observer Squadron detachments assigned or attached to this Command.

2. Responsibility. Commanders of AC&W Squadrons and commanders of GOS detachments are responsible for the monthly submission by their respective units of the Report of Dental Health Classification.

3. Procedure.

a. Report Period: The Report of Dental Health Classification will be prepared monthly, "as of" midnight of the 25th day of the month, and will include the period from midnight of the 25th day of the preceding month. In the event a unit begins or ceases operation between the 25th day of one month and the 25th day of the succeeding month, the report will cover the number of days in the period during which the unit was in operation.

b. Form of Report: The report will be prepared in letter format.

c. Contents of Report:

(1) Statistics. The Report of Dental Health Classification will contain the following statistics concerning personnel assigned or attached to an organization:

- (a) Number of personnel (officers and airmen) in Class 1.
- (b) Number of personnel (officers and airmen) in Class 2.
- (c) Number of personnel (officers and airmen) in Class 3.
- (d) Number of personnel (officers and airmen) in Class 4.
- (e) Number of personnel (officers and airmen) in Class 5.
- (f) Name, rank and service number of all personnel for whom a Dental Health Record (AF Form 309) is not available.

(2) Source of Information. The statistics, (a) to (e), inclusive, required by paragraph 3c(1) will be obtained

0368

32D ADR 160-7
Page 2 of 3
Pages

K

either from section 16 (TREATMENT RENDERED) or section 11 (DENTAL CLASSIFICATION) of each individual's Dental Health Record (AF Form 309) in the following manner:

(a) Section 16 -

The dental classification number will be taken from section 16 of the Dental Health Record if one or more Dental treatments have been recorded in that section, and the number to be used will be the last number in the column titled "CLASS". The last number in the column will be used since it is possible (if there is more than one number in the column) that this number may be different from the preceding one in the column as a result of the person's dental classification having changed due to his last dental treatment. In the event a dental classification number has not been entered in the column titled "CLASS" for each dental treatment recorded in section 16, the last number appearing in the column will be used.

(b) Section 11 -

The person's dental classification number will be obtained from section 11 if data have been recorded in section 16 but no dental classification numbers have been entered in the column titled "CLASS". The individual's dental classification number will be obtained from section 11 also, if no information has been recorded in section 16 of his Dental Health Record, that is, if section 16 is blank.

(c) General -

If a Dental Health Record never was accomplished for an individual and/or it is not available, his name, rank and service number will be furnished with each Report of Dental Health Classification, in accordance with paragraph 3c(1)(f), until he is examined by dental personnel and a Dental Health Record is prepared for him.

d. Submission of Report: The Report of Dental Health Classification should be accomplished and forwarded as soon as practicable after the end of the report period; however, in any case, it will be transmitted so as to arrive at this headquarters not later than the 5th work day after the report period. The report will be mailed in an original and one copy direct to this headquarters, ATTN: The Dental Surgeon.

0369

32D ADR 160-7
Page 3 of 3
Pages

K

5. Reports Control Symbol. Reports Control Symbol ACF-M2 has been assigned to this report.

6. Records Disposition. File copies of this report will be destroyed after one year in accordance with paragraph 104, AFM 181-5.

BY ORDER OF THE COMMANDER:

OFFICIAL:

ARTHUR R. DeBOLT
Colonel, USAF
Deputy Commander

s/t/FREDERICK E. YORK
Major, USAF
Adjutant

DISTRIBUTION:
"B"

0370

SECRET

HISTORICAL REPORT
of the
32D AIR DIVISION (DEFENSE)

Director
Research Studies Institute
Air Force Research Branch
Maxwell AFB, Alabama

RETURN #0:
Vol. 1
Jan. June 1956
L. DIV. 32-111



THE AIR DEFENSE OF A SECTOR
JANUARY through JUNE 1956
NARRATIVE

DIVISION HISTORICAL OFFICE
SYRACUSE AIR FORCE STATION
EAST SYRACUSE, NEW YORK

57 411
57-100

RM-57-219

0375

SECRET

57 411

RM-57219 SECRET

0376

SECRET

SECRET

THIS DOCUMENT CONTAINS INFORMATION
AFFECTING THE NATIONAL DEFENSE OF THE
UNITED STATES WITHIN THE MEANING OF THE
ESPIONAGE LAWS, TITLE 18, U.S.C., SEC-
TIONS 793 AND 794. ITS TRANSMISSION OR
THE REVELATION OF ITS CONTENTS IN ANY
MANNER TO AN UNAUTHORIZED PERSON IS
PROHIBITED BY LAW.

THIS IS COPY No 2 OF 3 COPIES.

SECRET

0377



0378

SECRET

HISTORICAL REPORT
OF THE
32D AIR DIVISION (DEFENSE)
NUMBER TWENTY
THE AIR DEFENSE OF A SECTOR
JANUARY THROUGH JUNE 1956
RCS: AU-D5

CHAIN OF COMMAND
EASTERN AIR DEFENSE FORCE
AIR DEFENSE COMMAND
UNITED STATES AIR FORCE

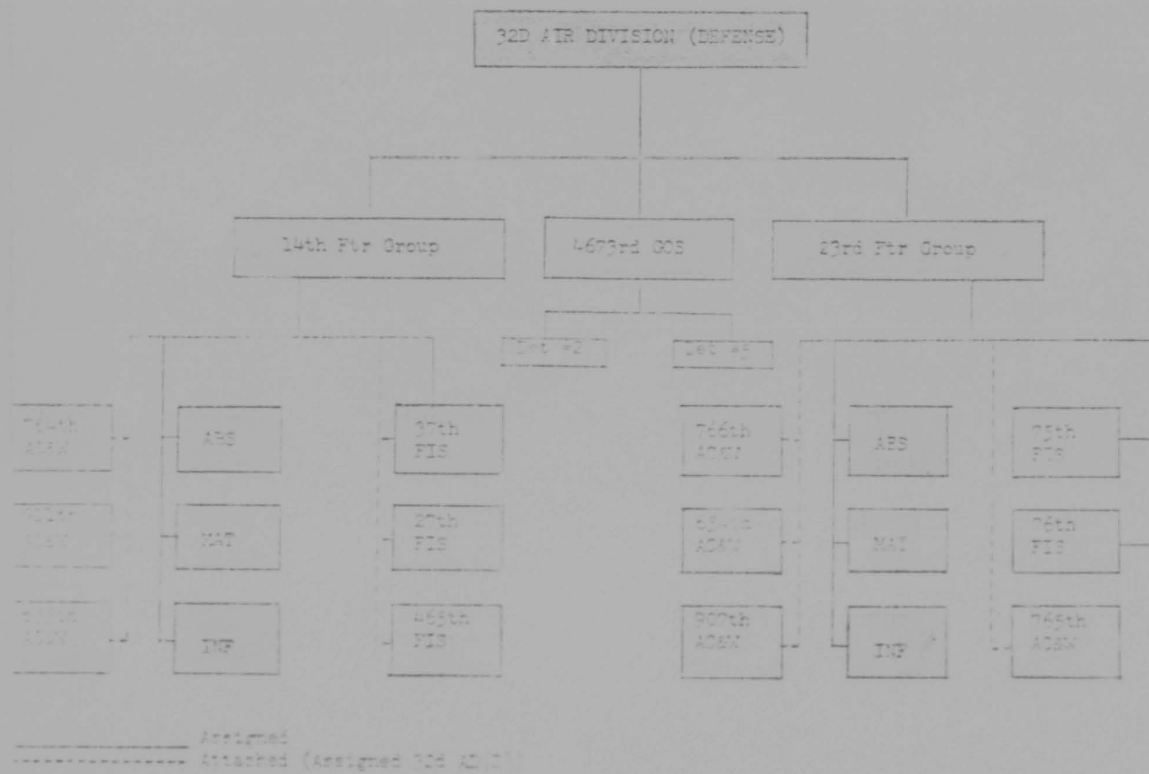
COMPILED BY:
Nathaniel Higgins, III
NATHANIEL HIGGINS, III
1STLT, USAF
HISTORIAN

APPROVED BY:
Robert S. Israel, Jr.
ROBERT S. ISRAEL, JR.
BRIGADIER GENERAL, USAF
COMMANDER

IV

SECRET

0379



FOREWORD

SECRET

OF PARTICULAR CONCERN TO THE HISTORIAN DURING THIS PERIOD WAS THE IMPACT OF THE SAGE SYSTEM UPON THIS DIVISION HEADQUARTERS. IT IS HOPED THAT THE SUBJECT HAS BEEN TREATED WITH ENOUGH DETAIL SO AS TO GIVE THE READER A REASONABLY COMPREHENSIVE INTRODUCTION TO "THE NEW CONCEPT". THE READER SHOULD BEAR IN MIND THAT THE TREATMENT OF SAGE IN THIS HISTORICAL REPORT RESTS UPON SOME VERY SIGNIFICANT FACTORS, TAKEN BOTH IN THE LIGHT OF THE PRESENT AIR DEFENSE SYSTEM AND THE HISTORIAN'S GENERAL KNOWLEDGE OF THE SAGE SYSTEM.

ESSENTIALLY, SAGE IS DIRECTLY CONCERNED WITH THIS DIVISION. FORGETTING FOR THE MOMENT PRESENT SECTOR BOUNDARIES, FUTURE ORGANIZATION, AND THAT THIS DIVISION SECTOR CONSTITUTES A SMALL PORTION OF THE FIRST SAGE SECTOR, THE FACT REMAINS THAT THE MAJOR ELEMENT OF THIS NEW SYSTEM IS GROWING ACROSS THE STREET FROM THIS HEADQUARTERS. IT IS AN EXCITING PROCESS TO OBSERVE, REFLECT UPON, AND WRITE ABOUT. THUS, IT BECOMES MANDATORY TO INCORPORATE ALL THIS IN THE PRESENT WORK.

MOREOVER, THE UNDERSIGNED HAS TAKEN THE LIBERTY OF INTRODUCING THE SAGE SYSTEM IN RELATIVELY GENERAL TERMS, THUS KEEPING ITS PROFOUND TECHNICALITIES TO A MINIMUM. TO AUGMENT MORE ELABORATE RESEARCH INTO THE SUBJECT, THE OPERATIONS PLAN FOR THE SAGE SYSTEM, 7 MARCH 1955, WOULD BE PARTICULARLY USEFUL.

ONCE AGAIN, TIME HAS BEEN A DETRIMENTAL FACTOR IN PRODUCING THIS REPORT. IT IS MORE THAN EVIDENT IN THE CHAPTER CONCERNING MISSIONS AND EXERCISES, WHICH HAS BEEN COMPLETELY ABBREVIATED. NONETHELESS, ALL OF THE DOCUMENTATION FOR THIS CHAPTER HAS BEEN INCORPORATED INTO THE SUPPORTING DOCUMENTS OF THIS REPORT. THE INDEX TO THESE MAY BE FOUND IN APPENDIX "B".

INVALUABLE SUGGESTIONS AND TECHNICAL DATA WAS RECEIVED FROM BRIGADIER GENERAL ROBERT S. ISRAEL, JR., AND MEMBERS OF HIS STAFF. MOREOVER, STAFF AGENCIES NEVER FAILED TO SEND VALUABLE DOCUMENTATION TO THE HISTORICAL OFFICE -- THIS ALWAYS BEING THE BASIS OF THE DIVISION HISTORICAL REPORTS.

VI

SECRET

0381

SECRET

MISS GERALDINE R. HART TYPED ALL OF THE SUPPORTING DOCUMENTS AND THE NARRATIVE. HER ABILITY AND CONSCIENTIOUSNESS DID MUCH TO POLISH THE FINAL WORK. MR. ROBERT HORIZAN REPRODUCED THE COVERS AND NARRATIVE, AND BOUND ALL OF THE VOLUMES INTO FINAL FORM.

SYRACUSE AIR FORCE STATION
13 JANUARY 1957

NATHANIEL HUGGINS, III

SECRET

0382

TABLE OF CONTENTS SECRET

FOREWORD	vi
CHAPTER ONE: A NEW CONCEPT	1
BACKGROUND	1
THE MANUAL SYSTEM	4
THE NEED FOR AUTOMATION	6
THE SAGE SYSTEM	7
IN TIME OF ATTACK	11
CHAPTER TWO: THE NEW CONCEPT CRYSTALLIZES	16
THE CHOICE	17
THE FACE OF THE SECTOR TRANSFORMED	19
REORGANIZATION	22
SARATOGA SPRINGS TO ST. ALBANS	25
CHAPTER THREE: CONCEPT TO REALITY	29
CONSTRUCTION OF THE SAGE BUILDINGS	30
PROGRAMMING	34
CHAPTER FOUR: THE ACTUALITIES OF AIR DEFENSE	42
THE OUTLOOK SEAWARD	43
SKYWATCH	50
THE PERMANENT RADAR NETWORK	54
SUPPLEMENTAL AND GAP FILLER RADARS	65
THE FIGHTER-INTERCEPTORS	68
A NEW SQUADRON	73
SUPPORT OF THE FIGHTER-INTERCEPTORS	75
ROCKETRY	80
AUGMENTATION UNITS	84
CHAPTER FIVE: OPERATIONAL PROCEDURE	89
AIR DEFENSE OPERATIONS	92

VIII
SECRET

0383

SECRET

APPENDIX "A": ORGANIZATIONAL TRANSITIONS	100
APPENDIX "B": MISSIONS AND EXERCISES	102
APPENDIX "C": INDEX TO SUPPORTING DOCUMENTS	109
VOLUME I	109
VOLUME II	112
VOLUME III	117
VOLUME IV	117
VOLUME V	121

SECRET

CHARTS AND MAPS

FOLLOWING PAGE
NUMBER

32D AIR DIVISION (DEFENSE) ORGANIZATIONAL CHART	FRONTISPIECE
DIVISION BOUNDARIES	19
FIRST SAGE SECTOR BOUNDARIES	20

x
SECRET

0385

SECRET

CHAPTER ONE: A NEW CONCEPT

THE TWENTIETH CENTURY HAS THE DISTINCTION OF ACHIEVING MORE SCIENTIFIC DEVELOPMENT THAN HERETOFORE HAS EVER BEEN EXPERIENCED BY THE HUMAN RACE. SCIENTIFIC REALMS OF PHENOMENAL COMPLEXITY -- COMMUNICATIONS, ELECTRONICS, FLIGHT AND NUCLEAR PHYSICS -- ARE BEING CONQUERED AND HARNASSED TO THE POINT OF SUCH RAPIDITY AND ROUTINE THAT IT IS ALMOST SECOND NATURE TO MAN.

THE BASICS OF THESE EXTRAORDINARY CATEGORIES OF SCIENCE HAVE BEEN KNOWN FOR SOME TIME. CURIOSITY, AUGMENTED BY THE SCIENTIFIC PROCESS, HAS BEEN THE STIMULANT IN THESE INSTANCES. REGRETTABLY ENOUGH, WAR -- IMPENDING OR ACTUAL -- HAS CONSISTENTLY BEEN THE AGENT FOR THE ACCELERATED DEVELOPMENTS IN THESE FIELDS. IN MANY CASES, THE SCIENTIFIC

1
SECRET

0386

SECRET

2

PROCESS WAS REVERSED; GIVEN A CERTAIN WEAPON, THOSE INSTRUCTED IN APPROPRIATE FIELDS WOULD THEN SEEK AN EFFECTIVE COUNTERACTING ELEMENT. APPLYING THIS THEORY FURTHER, THE DEFENSIVE ELEMENT THEN CAN LIKEWISE EXPAND -- THIS OF COURSE BEING DICTATED BY THE OFFENSIVE WEAPONS.

THUS, THIS CENTURY HAS ALSO WITNESSED THE BIRTH OF A NEW SCIENCE OF TREMENDOUS MAGNITUDE AND PERHAPS EVEN MORE IMPORTANT WHEN ITS RAMIFICATIONS ARE MEASURED IN TERMS OF THE HUMAN RACE -- AIR DEFENSE. AND, LIKE THE OTHER FIELDS OF SCIENCE EXPLORED IN THIS CENTURY, AIR DEFENSE WAS NO EXCEPTION TO THE RULE WHEN THOUGHT OF IN TERMS OF WAR, AS WAR WAS AGAIN THE CATALYST.

PRIOR TO WORLD WAR II, POSSIBILITIES OF AIR DEFENSE STRATEGEM HAD BEEN ADVOCATED AND CAREFULLY THOUGHT ABOUT, BUT BY-AND-LARGE, THE ENTIRE CONCEPT WAS DISREGARDED. MOREOVER, THE MATERIAL ELEMENTS SUCH AS RADAR, MISSILES, A-1 EQUIPPED AIRCRAFT, AD INFINITUM, WERE YET UNBORN. GRANTED, EARLY PROTOTYPES OF RADAR WERE IN BEING. ANTI-AIRCRAFT BATTERIES, SEARCHLIGHTS, AND RANGEFINDERS WERE REASONABLY WELL PERFECTED (WHEN PITTED AGAINST THE AIRCRAFT OF THE DAY) AND QUITE ADEQUATE. BUT THESE ELEMENTS WERE NEVER UNITED UNDER

SECRET

0387

SECRET

3

ONE COMMAND, COMBINED WITH AIRCRAFT, AND GIVEN THE SPECIFIC MISSION OF AIR DEFENSE.

FOR THOSE WHO WERE SOMEWHAT DUBIOUS ABOUT AIR DEFENSE, THE AIR BATTLE OF GREAT BRITAIN EXPUNGED MUCH DOUBT. HEREIN LAY THE COSTLY BUT HIGHLY SUCCESSFUL PROCESS OF SYNTHESIZING AND ACHIEVING SOME UNIFICATION OF TACTICAL AIR DEFENSE POLICY.

DURING THE CRUCIAL YEARS OF 1942 AND 1943, GREAT BRITAIN SUSTAINED INCESSANT AIR RAIDS OF CATAclySMIC PROPORTIONS. AT THIS TIME, A SMALL GROUP OF DETERMINED MEN IN EXCELLENT FIGHTER AIRCRAFT (BUT VASTLY OUTNUMBERED) DOGGEDLY HAMMERED AWAY AT THE LUFTWAFFE. THE ROYAL AIR FORCE BROUGHT THE ATTACKERS TO BAY ON THEIR OWN GROUND, AND PROVED FOR THE TIME BEING THAT PAST CONJECTURE ABOUT AIR DEFENSE HAD SOME SIGNIFICANT MERIT.

THUS, THE STAGE WAS SET FOR THE NEXT TWO DECADES. AIR DEFENSE HAD COME INTO ITS OWN, IF ONLY QUICKLY AND VIOLENTLY NURTURED AFTER ITS LATE BIRTH. IT TOOK A WORLD WAR TO ACCOMPLISH THIS, BUT OUT OF IT AROSE THE FUNDAMENTALS OF THIS NEW SCIENCE, AND READILY DISCERNABLE AT THAT.

THE FIRST -- AND MOST IMPORTANT -- WAS TIME. GIVEN ENOUGH WARNING TIME, AN ALERT DEFENSIVE FIGHTING FORCE COULD

SECRET

0388

SECRET

4

COUNTERACT A STRONG ATTACK. ALSO, ENOUGH WARNING TIME WOULD PERMIT DEPLOYMENT OF A STRATEGIC ATTACKING FORCE. SECONDLY, A DEFENSIVE FIGHTING FORCE GEARED FOR READY ATTACK COULD INDUCE SUBSTANTIAL LOSSES TO AN ATTACKER, OR, AN ATTRITION RATE WHICH WOULD PROVE TOO COSTLY FOR AN ENEMY TO SUSTAIN.

WITH THE DIM PROSPECTS OF THERMONUCLEAR WARFARE IN THE FUTURE, THERE IS NO OTHER COURSE FOR AIR DEFENSE BUT TO STEADILY INCREASE IN STATURE. THUS, IN THIS AGE OF PRETENTIOUS PEACE, THE UNITED STATES AND CANADA ARE GEARED TO THE MILITANT THEMES OF EARLY WARNING, DEPLOYMENT, SCRAMBLE TIME, ROCKETRY, ETC. AIR DEFENSE HAS BECOME PARAMOUNT IN IMPORTANCE; IT IS NOW AN INTREGAL PART OF 165,000,000 LIVES IN THIS COUNTRY ALONE, AND MILLIONS MORE IN CANADA. THE AIR DEFENSE COMMAND IS NOW A COMPLEX IN WHICH ARE INVESTED BILLIONS OF DOLLARS IN AIRCRAFT, RADARS, SHIPS, ELECTRONIC DEVICES AND SUPPORTING ELEMENTS. BEHIND THIS SYSTEM, AND ON WHICH IT DEPENDS, IS THE HUMAN BEING.

THE MANUAL SYSTEM

AT THE PRESENT TIME, ALL THE NECESSARY INFORMATION OF TACTICAL NATURE FOR SUBSECTOR AND SECTOR DEFENSE IS FILTERED

SECRET

0389

SECRET

5

THROUGH THE MINDS OF MANY MEN. FOR INSTANCE, A RADAR SITE HAS THE FOLLOWING AIR DEFENSE COMPONENTS SUPPLYING ITS ADDC WITH DATA: LONG RANGE SEARCH RADARS, HEIGHT FINDERS, AND GAP-FILLERS. MOREOVER, THE ADDC MAY HAVE RECEIPT OF INFORMATION FROM ANY OF THE FOLLOWING: AEW&C AIRCRAFT, PICKET SHIPS, A TEXAS TOWER, OR A GOC FILTER CENTER. ADDED TO THIS, OF COURSE, WOULD BE INFORMATION FOR WEATHER DISPLAYS AND STATUS BOARDS, AND INFORMATION RECEIVED FROM AMIS.

IT IS THE DECISION OF KEY PERSONNEL TO DETERMINE WHAT INFORMATION IS EXTRANEIOUS -- WEEDING OUT THAT WHICH HAS NO SIGNIFICANT BEARING ON THE MISSION. IN OTHER WORDS, OUT OF THIS STAGGERING AMOUNT OF AVAILABLE INFORMATION, DATA MUST BE EVALUATED AND DISPLAYED WHICH WILL PRODUCE THE BEST POSSIBLE PICTURE OF AN AIR DEFENSE SITUATION.

THE DISPLAY IS PARAMOUNT IN IMPORTANCE WHEN TAKEN IN THE LIGHT OF ACTUAL ATTACK. BASED UPON THIS DISPLAY, DECISIONS HAVE TO BE MADE OF ACTUAL TACTICAL NATURE: AIRCRAFT TO BE SCRAMBLED, BACK-UP STATUS AT THAT BASE, TURN AROUND TIME, DEPLOYMENT OF OTHER INTERCEPTORS, MISSILE DEPLOYMENT, WEATHER, AND MOST IMPORTANT, THE INTERCEPT.

HUMAN UNASSISTED MANUAL CAPACITY BECOMES SATURATED: DECISION CAPABILITY IS EVER PRESENT, BUT IT IS CROWDED OUT

SECRET

0390

SECRET

6

BY MULTITUDINOUS DETAIL WHICH MAY IN ITSELF BE WORTHLESS IF THE DETAIL IS TOO LONG IN PROCESSING.

THE NEED FOR AUTOMATION

PAST MISSIONS HAVE GENERATED A TERRIFIC NEED FOR AN EASIER METHOD OF RECEIVING, PROCESSING, EVALUATING AND DISPLAYING AIR DEFENSE INFORMATION. PEOPLE TALK OF SATURATION IN SECTOR DEFENSE -- A DEFENSIVE CAPABILITY LOST BECAUSE OF TOO MANY HOSTILE AIRCRAFT, TOO MANY INTERCEPTORS, GARBLED RADIO TRANSMISSION AND RECEIVING, ECM, ETC. PERHAPS MORE SIGNIFICANT IS THE FACT THAT MEN HAVE LIMITATIONS IN DECISION CAPABILITIES, IF THERE IS NOT ENOUGH TIME.

FROM PAST EXPERIENCE, IT WAS ASCERTAINED THAT SOME COMPONENT WOULD BE NEEDED THAT COULD AUTOMATICALLY DISPLAY VALUABLE TACTICAL INFORMATION, AND DO IT WITHIN SECONDS. REALIZING THAT MAN'S REACTION TIME WAS TOO SLOW IN THE REALM OF SUPERSONIC ATTACK, HIS EXTRAORDINARY INGENUITY WAS TURNED TO ANOTHER FIELD WHICH HAD BEEN PREVIOUSLY DEVELOPED: ELECTRONIC DIGITAL COMPUTERS.

FOR APPROXIMATELY THREE YEARS, ADC CONCERNED ITSELF WITH THREE POSSIBILITIES FOR AN AUTOMATIC AIR DEFENSE SYSTEM.

SECRET

0391

SECRET

7

TWO WERE REJECTED; THE REMAINING ONE WAS FOUND TO BE THE MOST PERFECTLY ADAPTABLE FOR AIR DEFENSE, AND THIS WAS THE SAGE SYSTEM (SEMIAUTOMATIC GROUND ENVIRONMENT).¹

THE SAGE SYSTEM

THE HEART OF THE SAGE SYSTEM (HEREIN REFERRED TO ONLY AS SAGE) WILL BE HIGH-SPEED ELECTRONIC DIGITAL COMPUTERS. THE TEDIOUS PROCESS OF ACCUMULATING, PROCESSING, EVALUATING, AND DISPLAYING AIR SITUATION DATA WILL BE EXPEDITED BY THE COMPUTERS. THUS, THE GRUESOME ELEMENT OF HUMAN ERROR WILL

-
1. THE OTHER TWO WHICH RECEIVED CONSIDERATION WERE THE BRITISH COMPREHENSIVE DISPLAY SYSTEM AND THE AIR DEFENSE INTEGRATED SYSTEM. ACTUALLY, THE LATTER WAS THE RESULT OF EXPERIMENTING WITH THE FORMER. THE BRITISH SYSTEM WAS FIRST CONSIDERED FOR MODIFICATION; THIS INCLUDED MANUFACTURING FROM UNITED STATES PARTS AND LABOR, AND SUBSEQUENTLY WAS CALLED THE AMERICAN COMPREHENSIVE DISPLAY SYSTEM (ACDS). THE WEST COAST AND NORTHEAST WERE TO RECEIVE THIS SYSTEM. IT WAS LATER FOUND THAT THE SYSTEM WOULD BE UNABLE TO PASS INFORMATION FROM ONE COMPUTER TO ANOTHER. THE UNIVERSITY OF MICHIGAN'S WILLOW RUN RESEARCH CENTER WAS ASKED TO SOLVE THIS. BY APRIL OF 1953, THIS PROJECT AND LINCOLN TRANSITION SYSTEM (SAGE) WERE WELL UNDER WAY. THE LINCOLN SYSTEM WAS CHOSEN, SUBSEQUENTLY ESTABLISHED IN AN EXPERIMENTAL SUB-SECTOR CALLED THE CAPE COD SYSTEM, AND LATER SAGE.

SHORT HIST, "A DECADE OF CONTINENTAL AIR DEFENSE",
1946 - 1956, PP 61-63.

SECRET

0392

SECRET

8

BE SUBSTANTIALLY REDUCED. FURTHERMORE, DECENTRALIZATION, FLEXIBILITY, AND SPEED WILL BE THE FRUITS OF THE VIRTUALLY UNLIMITED PROSPECTS IN THIS NEW SYSTEM OF AIR DEFENSE. THESE THREE ASPECTS COULD BE ACHIEVED ONLY THROUGH THE USE OF THE COMPUTERS.

THERE WILL BE TWO TYPES OF COMPUTERS UTILIZED; ONE IS THE AN/FSQ-7, KNOWN AS THE COMBAT DIRECTION CENTRAL, AND THE OTHER IS THE AN/FSQ-8, COMBAT CONTROL CENTRAL.² THE AN/FSQ-7 WILL BE THE HEART OF THE SUBSECTOR, THE LOWEST OF THE ACTUAL SAGE TACTICAL CONTROL UNITS. THIS LEVEL WILL BE KNOWN AS THE AIR DEFENSE WING.³ THE WINGS WILL EVENTUALLY HAVE A CAPACITY FOR CONTROLLING 400 TRACKS, 200 OF WHICH MAY BE USED FOR WEAPONS GUIDANCE.⁴ AS OPPOSED TO WHAT IS IN EXISTENCE AT THE TIME OF THIS WRITING, A TREMENDOUS DEFENSE

-
2. BOTH OF THESE COMPUTERS ARE COUSINS OF THE WHIRLWIND 1, AN ELECTRONIC COMPUTER IN USE AT MASSACHUSETTS INSTITUTE OF TECHNOLOGY. ORIGINALLY DESIGNED TO SOLVE HIGHLY COMPLEX MATHEMATICAL EQUATIONS, IT WAS FOUND THAT IT COULD BE ADAPTED FOR AIR DEFENSE USE.
 3. BASICALLY, THE ORGANIZATIONAL CONCEPT FOR SAGE CAN BE BROKEN DOWN INTO FOUR AREAS: REGIONS, WHICH WILL BE AIR DEFENSE FORCES; SECTORS, WHICH WILL BE AIR DIVISIONS, AND SUBSECTORS, WHICH WILL BE AIR DEFENSE WINGS, CONAD, OR THE TERRITORY, IS THE HEADQUARTERS UNIT FOR THE OTHERS.
 4. OPLAN FOR SAGE SYSTEM FOR AIR DEFENSE, 7 MAR 55, P 5.
(CONT'D ON NEXT PAGE.)

SECRET

0393

SECRET

9

5
CAPABILITY WILL BE ASSURED. MOREOVER, THIS ELEMENT ALONE WILL MAKE FURTHER CENTRALIZATION POSSIBLE, AT LEAST IN TERMS OF THE AIR BATTLE. HOWEVER, IT MUST BE RECOGNIZED THAT A SYSTEM SUCH AS SAGE CAN ALSO BE DECENTRALIZED, IF TAKEN IN THE LIGHT OF EQUIPMENT COMPLEXES LOCATED AT SYRACUSE, KINGSTON, MCGUIRE, TOPSHAM, AND FORT LEE.

AT THE DIRECTION CENTERS AND COMBAT CENTERS, THE COMPUTERS WILL BE ARRANGED IN DUPLEX FASHION, I.E., ONE BESIDE THE OTHER. ALTHOUGH ONLY ONE WILL BE CONDUCTING OPERATIONS AT THE TIME, THE OTHER WILL BE QUIETLY AND EFFECTIVELY "LISTENING IN" TO ITS COUNTERPART. FOR REASONS

4. (CONT'D FROM PRECEDING PAGE.)

THIS WAS ORIGINALLY THE ANTICIPATED CAPABILITY. LATER, IT WAS ASCERTAINED THAT THE ESTIMATES WOULD HAVE TO BE REDUCED BY HALF, ALLOWING 200 TRACKS, 100 OF WHICH WOULD BE WEAPONS GUIDANCE. THE REASON FOR THIS WAS THE FACT THAT THERE WAS MORE INFORMATION THAN THE MEMORY DRUMS COULD HOLD. IT HAS BEEN ASSURED THAT THE ORIGINAL CAPABILITY WILL BE RESTORED, IF MORE MEMORY DRUMS ARE INCORPORATED WITHIN THE COMPUTERS.

5. THE OPLAN FOR SAGE STATED THAT THE AIR DIVISIONS HAVE A TRACK CAPABILITY OF 50. THERE ARE MANY VARIABLES IN THIS ESTIMATE, IMPORTANT OF WHICH ARE PROFICIENCY OF THE PLOTTERS, TELLERS, AND CONTROLLERS. (GCI DIRECTORS). ALL THINGS BEING EQUAL, 50 IS A FAIR ESTIMATE; BUT WITH A HIGH TURNOVER RATE IN PERSONNEL AND ASSOCIATED TRAINING PROBLEMS, THE ESTIMATE IS SOMEWHAT OPTIMISTIC.

SECRET

0394

SECRET

10

OF MAINTENANCE OR AN ERROR IN COMPUTATION, THE SEEMINGLY INERT COMPUTER WILL AUTOMATICALLY ASSUME OPERATION, AS IT WILL HAVE ASSIMILATED AND COMPUTED ALL THE SAME AIR SURVEILLANCE INFORMATION. BY THE SAME TOKEN, COMMUNICATIONS CIRCUITS WILL BE ARRANGED IN DUPLEX ARRANGEMENT, ONE ALWAYS ON BACK-UP STATUS AND EMPLOYING A DIFFERENT ROUTING.

ALTHOUGH WEAPONS DEFENSES WILL BE GEARED TO WORK AUTOMATICALLY WITH SAGE VIA DATA LINK TRANSMISSION, THEIR OPERATIONAL INDEPENDENCE WILL BE ASSURED SHOULD THE HEART OF THE NEW SYSTEM BE SABOTAGED OR DESTROYED. AS THIS POSSIBILITY EXISTS, LOCAL DEFENSES AROUND CRITICAL TARGETS CAN BE PLACED ON THEIR OWN. RADAR SITES CAN LIKEWISE BE SIMILARLY HANDLED; ALL OF THE P-SITES WILL HAVE SKELETON CREWS ASSIGNED FOR MAINTENANCE PURPOSES, CROSS-TRAINED IN OPERATIONAL TECHNIQUES.

THEIR SITES WILL BE EQUIPPED WITH THE AN/GPA-37, A COMPUTER OF LIMITED CAPABILITY BUT NONETHELESS A MOST EFFICIENT DATA LINK/COMPUTOR COMBINATION. IN AN EMERGENCY, THESE CREWS COULD AT LEAST MAINTAIN LIMITED OPERATIONAL CAPABILITY ON A MORE LOCALIZED BASIS. THUS, ASSUMING PARTIAL OR COMPLETE BREAKDOWN IN SAGE COMMUNICATIONS, THE MAIN STAYS OF AIR DEFENSE -- RADARS AND WEAPONS -- WILL BE ABLE

SECRET

0395

SECRET

11

6
TO REVERT TO THE PRESENT MANUAL SYSTEM.

IN TIME OF ATTACK....

TURNING FOR THE MOMENT TO SOME OF THE SPECIFIC FUNCTIONS OF THE MAJOR AIR DEFENSE COMPONENTS IN THE LIGHT OF AUTOMATION, THERE ARE SOME WHICH MERIT AT LEAST BRIEF DISCUSSION. THE RADAR SITES WILL BE THE BACKBONE TO THE SYSTEM. AS WAS MENTIONED EARLIER, THEY WILL HAVE LIMITED OPERATION UNDER A MANUAL SYSTEM IN TIMES OF AN EMERGENCY. NORMALLY HOWEVER, THE SITES WILL GATHER AIR SURVEILLANCE

-
6. SAGE, FOR ALL OF ITS VAST IMPROVEMENT IN AIR DEFENSE, WILL BE LARGELY DEPENDENT UPON THE TELEPHONE SYSTEM, I.E., LANDLINES. THUS, IN SOME INSTANCES, WEATHER MAY BE THE CAUSE OF USING BACK-UP SYSTEM (HF RADIO). MORE IMPORTANT, HOWEVER, IS THE FACT THAT THE LANDLINE SYSTEM IS HIGHLY SUSCEPTIBLE TO SABOTAGE. THUS, FOR ANY ASSURANCE OF CONTINUAL OPERATION AT ALL, THE RADIO BACK-UP NET WILL HAVE TO BE CLOSE TO PERFECT.
7. THE HISTORIAN IS NOT QUALIFIED TO DELVE INTO SUCH TECHNICAL PROFUNDITY AS IS EMBODIED IN SAGE. (A WIZARD, RATHER THAN A CLERK-TYPIST, MIGHT DO WELL TO AUGMENT THE FUNCTION OF THE HISTORIAN.) HOWEVER, CERTAIN ELEMENTS OF SAGE MUST BE CLARIFIED BEFORE SECTOR CHANGE, PROGRAMMING, AND CONSTRUCTION CAN BE ADEQUATELY DISCUSSED. ADMITTEDLY TOO, THE FUTURE TENSE IS DANGEROUS IN HISTORY; BUT IT MUST BE UNDERSTOOD THAT TO TREAT THIS SUBJECT WITH ANY DEGREE OF ACCURACY IN THE LIGHT OF CURRENT AIR DEFENSE, THERE REMAINS NO OTHER ALTERNATIVE.

SECRET

0396

SECRET

12

DATA AND ACCOMPLISH RADAR MAPPING. THIS WILL BE TRANSMITTED TO THE DIRECTION CENTER BY SEMI-AUTOMATIC MEANS.

FROM THE MATERIAL GATHERED, THE COMPUTORS WILL THEN DISPLAY AIR SITUATIONS WHICH MAY REQUIRE ACTION. ALSO ACCOMPLISHED WILL BE WEAPONS ASSIGNMENT, IDENTIFICATION, AND OTHER PHASES OF AIR DEFENSE. NOT ALL OF THIS WILL BE ACCOMPLISHED AUTOMATICALLY; CREWS WILL BE INSERTING MUCH OF THE INFORMATION INTO THE COMPUTORS USING PUNCH CARDS, AND GENERALLY MONITORING INCOMING DATA.

IN PARTICULAR, INFORMATION CONCERNING TRACK DATA WILL BE MONITORED WITH THE CLOSEST SCRUTINY. IT WILL BE THE RESPONSIBILITY OF MEN TO WATCH EACH TRACK, AND HELP THE COMPUTORS. FOR IDENTIFICATION PURPOSES, ONLY THE MARK X (IFF/SIF) DATA AND CROSS-TELLING WILL BE AUTOMATICALLY

8. THE MEANS OF TRANSMISSION FOR THE SEARCH RADAR, HEIGHT FINDERS, AND MARK X WILL BE FINE-GRAIN-DATA TRANSMISSION (FGD). THE GAP FILLERS WILL USE SLOWED-DOWN-VIDEO (SDV). BOTH MEANS OF TRANSMISSION RELY ON TELEPHONE LINES.

OPLAN FOR SAGE SYSTEM, 7 MAR 55, P 131.

7. THE COMPUTORS ARE NOT THE COLD MACHINERY THAT THEY WOULD SEEM; ALTHOUGH ABLE TO DIGEST PRODIGIOUS AMOUNTS OF DATA, THEY SOMETIMES WILL NEED HELP -- AND THEY ASK FOR IT. THUS, MAN IS NOT YET COMPLETELY SUBLIMATED TO MACHINES.

SECRET

0397

SECRET

13

TRANSMITTED TO THE COMPUTERS. IT WILL REMAIN THE RESPONSIBILITY OF MEN TO INSERT (VIA PUNCH CARDS) ALL OTHER TRACK IDENTIFICATION MATERIAL SUCH AS INFORMATION FROM AMIS, MCIS, AND THE GOC.

THOSE TRACKS WHICH REMAIN UNIDENTIFIED OR ARE SUSPICIOUS IN CHARACTER WILL NEED MORE OVERT TACTICAL ACTION. EITHER INTERCEPT OR ANTI-AIRCRAFT DIRECTORS WILL THEN ASSUME THEIR ROLES IN THE SYSTEM. ASSUMING ACTION TAKEN AS THAT INVOLVING INTERCEPTORS, ELABORATE MEASURES HAVE BEEN TAKEN TO EXPEDITE RECOVERY, AND NOT ONLY IN TERMS OF THE AIRFIELD. FOR THE FIRST TIME IN AIR DEFENSE, SECTOR SATURATION IS NOT SO IMMINENT. WITH THE GREAT AMOUNT OF INTERCEPTORS (MISSILES AND AIRCRAFT) PLANNED, THE AIR DEFENSE INTERCEPTOR FORCE WILL BE MUCH MORE FLEXIBLE. RECOVERY,

-
10. LOOKING AHEAD, THE INTERCEPTOR FORCE WOULD BE IMPRESSIVE, INDEED. ULTIMATELY (1960), THE INTERCEPTOR FORCE WOULD BE COMPOSED ALMOST ENTIRELY OF "CENTURY SERIES" AIRCRAFT AND MISSILES (SEE CHART ON NEXT PAGE). AIRCRAFT SHOWN TO BE SUPERSEDED BY NEWER AIRCRAFT CAN NOT BE CONSIDERED OUT OF THE PICTURE. THE F-96D IS AN EXAMPLE. THE F-102A, ALTHOUGH DESIGNED TO REPLACE THE F-96D AND PRESENTLY COMING INTO OPERATION, WILL NOT HAVE REPLACED THE F-96D FOR SOMETIME TO COME. TOO, REGARDLESS OF ITS OPERATIONAL LIMITATIONS IN THE LIGHT OF MORE ADVANCED AIRCRAFT, IT CAN BE ASSUMED THAT MOST OF THESE PLANES WILL BE TURNED OVER TO THE AIR NATIONAL GUARD.
(CONT'D ON NEXT PAGE.)

SECRET

0398

SECRET

14

MEASURED IN TERMS OF AIRFIELD CONDITIONS, POINT DEFENSE,
AND THE ATTACK AS A WHOLE, WILL BE GREATLY FACILITATED.

THIS SYSTEM WILL NOT BE PERFECT; NO SYSTEM OF SUCH
PURPOSE AND MAGNITUDE COULD BE. BUT IT IS THE ULTIMATE
WHEN TAKING ALL THE BASIC CONSIDERATIONS AND NEEDS INTO

10. (CONT'D FROM PRECEDING PAGE.)

AIRCRAFT

	<u>1956</u>	<u>1957</u>	<u>1958</u>	<u>1959-1960</u>
F-86D . . .	F-102A			
F-94C			F-101B	
F-89D			F-101B	
F-89H(GAR-1)				
		F-89J(MB-1)*		
		F-104		
			F-102B(MB-1)	

MISSILES

NIKE	TALOS(IM-70)†
	BOMARC(IM-99)*

*THE MB-1 IS AN AIR-TO-AIR ATOMIC WARHEAD ROCKET.
†TALOS COULD BE ROUGHLY COMPARED TO THE NIKE IN CHARACTER-
ISTICS, ALTHOUGH AN IMPROVEMENT. IT IS DESIGNED FOR POINT
DEFENSE.
*BOMARC, WITH SUBSTANTIALLY GREATER OPERATIONAL CAPABILITIES,
CAN BE CONSIDERED AN AREA DEFENSE WEAPON.

MATERIAL TAKEN FROM "A DECADE OF CONTINENTAL AIR DEFENSE",
1946 - 1956, PP 60-61.

SECRET

0399

SECRET

15

VIEW. ALSO, THE COMPUTERS SHOW THEMSELVES TO BE THE MOST PERFECTLY ADAPTABLE FOR MODIFICATION AND FUTURE EXPANSION.

THERE WILL, IN ALL PROBABILITY, BE SOME VERY PRONOUNCED SHORTCOMINGS OF THIS SYSTEM. IT WILL BE EXCEEDINGLY DIFFICULT TO EXPECT PERFECTION UNTIL THE SYSTEM IS IN HIGH GEAR. HOWEVER, IT WILL PERMIT THE PENDULUM TO SWING TOWARD AIR DEFENSE; IT WILL REWARD A HARD CORE OF SPECIALIZED MEN AND EQUIPMENT WITH BETTER THAN EVEN ODDS ON THE DAY OF HELL -- SHOULD THE DAY ARRIVE.

SECRET

0400

SECRET

CHAPTER TWO: THE NEW CONCEPT CRYSTALLIZES

"THE "HEY-DAY" OF THE FIGHTER PILOT IS DRAWING TO A CLOSE: THEY'RE REPLACING US WITH ELECTRONS!"

-- BRIGADIER GENERAL ROBERT S. ISRAEL, JR.

AS CAN BE EXPECTED, THE PERIOD UNDER STUDY SAW THE SAGE PROJECT GATHER MOMENTUM, AND SURPASS THE LIMITATIONS
11
IMPOSED BY CONJECTURE AND THE LABORATORY. FROM THE TIME OF ITS INCEPTION, IT HAD DRAMATICALLY AND STEADILY GROWN IN THE MINDS OF PHYSICISTS AND MATHEMATICIANS; BUT THE MOMENTUM CARRIED IT WELL FORWARD OF THIS PHASE. FAR

11. THE PRINCIPLES OF SAGE STILL REQUIRE A TREMENDOUS AMOUNT OF TESTING, TRAINING AND REFINING. ENOUGH WAS KNOWN ABOUT THE SYSTEM AND ITS WORKINGS TO AT LEAST EXPEDITE CONSTRUCTION AND PROGRAMMING. (SEE CHAPTER THREE.)

SECRET

SECRET

17

REACHING IN SCOPE AND IMPACT, THE ENTIRE CONCEPT WAS NOW
IMPLANTED IN THE AIR DEFENSE COMMAND.¹² IT WAS FURTHER RE-
FLECTED IN THE SEPARATE UNITS UNDER THE AIR DEFENSE COMMAND,
NOT THE LEAST OF WHICH WAS THE 32D AIR DIVISION (DEFENSE).

THE CHOICE

SYRACUSE AIR FORCE STATION WAS THE FIRST SITE IN THIS
DIVISION'S SECTOR TO FEEL THE ACCELERATED PACE. THROUGH-
OUT ONE OF THE MORE MISERABLE WINTERS AND SPRINGS KNOWN TO
THIS LOCALE, A BUILDING COMPLEX GREW WHICH CURIOUSLY ENOUGH
REFLECTED THE SAME IMPRESSION OF THE WEATHER -- STARK, GREY,
SULLEN AND COLD.

ENCLOSED WITHIN THESE BUILDINGS WOULD BE THE HEART
OF SAGE. TO ACCOMODATE THE COMPONENTS OF THIS SECTOR AND
SUBSECTOR COMMAND POST, THE PERIOD UNDER STUDY WITNESSED
THE CONSTRUCTION OF THREE BUILDINGS: A COMBAT CENTER,

12. IT IS WRONG TO ASSUME THAT SAGE WAS FOREMOST IN THE
MINDS OF MILITARY LEADERS IN AIR DEFENSE. THE MANUAL
SYSTEM IS STILL THE BACKBONE OF AIR DEFENSE TODAY;
NOT UNTIL IT IS PHASED OUT WILL ALL MINDS THEN BE
GEARED TO AUTOMATION. ALTHOUGH MUCH TIME HAS TO BE
CONSUMED IN PLANNING, IMMEDIACY IS EVER PRESENT;
REFINEMENT OF THE MANUAL SYSTEM IS ALWAYS FIRST.

SECRET

0402

SECRET

18

DIRECTION CENTER, AND A POWER PLANT.¹³

TWO OTHER DIRECTION CENTERS HAD PRIORITY OVER SYRACUSE. AS A RESULT, MCGUIRE AND STEWART AIR FORCE BASES WERE WELL AHEAD IN THEIR RESPECTIVE CONSTRUCTION AND INSTALLATION.¹⁴

THE ENTIRE CONCEPT OF SITE SELECTION WAS PREDICATED UPON A NUMBER OF FACTORS, THE MOST IMPORTANT OF WHICH WERE THE FOLLOWING: LOCATION IN RELATION TO MAJOR TARGET AREAS, COMMUNICATIONS AVAILABILITY (WITH COST A MAJOR FACTOR), AND OTHER OUTSIDE FACILITIES INCLUDING AVAILABILITY OF ADC AIR-FIELDS.¹⁵

13. AT THE TIME OF THIS WRITING, CONSTRUCTION WAS ALMOST COMPLETE ON A COOLING TOWER. (FOR FURTHER DETAIL CONCERNING CONSTRUCTION AND INSTALLATION, SEE CHAPTER THREE).

14. THE FIRST SAGE SECTOR IS OUTLINED BELOW.

<u>SITE</u>	<u>PRIORITY</u>	<u>CONTROL TYPE</u>
MCGUIRE AFB	1	DIRECTION CENTER (WING)
STEWART AFB	2	DIRECTION CENTER (WING)
SYRACUSE AFSTA	3	COMBAT CENTER (DIVISION)
SYRACUSE AFSTA	4	DIRECTION CENTER (WING)
FORT LEE, VA	5	DIRECTION CENTER (WING)
#TOPSHAM, ME	6	DIRECTION CENTER (WING)

#BRUNSWICK NAS WAS ORIGINALLY CHOSEN FOR THIS SITE, AND SUBSEQUENTLY DELETED. TOPSHAM IS JUST NORTH OF THE NAVAL AIR STATION.

15. OPLAN FOR SAGE SYSTEM, 7 MAR 55, P 30.

SECRET

0403

SECRET

19

SYRACUSE MET THESE DEMANDS. ALTHOUGH IT IS A CERTAIN BET THAT SYRACUSE WOULD RECEIVE ITS SHARE OF AN ATTACK, THERE WOULD OF COURSE BE TARGETS OF A HIGHER PRIORITY. ALSO, THE SITE FOR THE SAGE BUILDINGS IS ROUGHLY FIVE MILES FROM THE CENTER OF THE CITY. COMMUNICATIONS, MORE SPECIFICALLY TELEPHONE FACILITIES, ARE OF PARAMOUNT IMPORTANCE TO SAGE, AND WERE CONSEQUENTLY GIVEN SERIOUS CONSIDERATION. ONCE AGAIN, SYRACUSE HAD THE POTENTIAL NEEDED TO FULFILL THIS IMPORTANT PHASE. OTHER COMMERCIAL FACILITIES WHICH WERE TO BE UTILIZED WERE THE CITY WATER SYSTEM AND HANCOCK FIELD.¹⁶

THE FACE OF THE DIVISION SECTOR TRANSFORMED

HISTORY CAN ONLY BE MEASURED IN TERMS OF DATES AND EVENTS, ALL OF VARYING IMPORT. THE PERIOD UNDER STUDY WAS NO EXCEPTION TO THE RULE, AS 1 MARCH 1956 HERALDED A NEW ERA

-
16. HANCOCK FIELD IS NOT AN ADC BASE. ORIGINALLY BUILT FOR THE FERRYING COMMAND DURING WORLD WAR II, THE FIELD SERVED AS A FERRYING STOP-OVER FOR HEAVY BOMBERS ON THEIR WAY TO EUROPE. AFTER THE WAR, SYRACUSE TURNED IT INTO A COMMERCIAL AIRPORT. THE AIR NATIONAL GUARD MAINTAINS ONE PORTION FOR A TRAINING CENTER, AND ALSO MAINTAINS A DAY ALERT STATUS. THE AIR FORCE RETAINED ONE SMALL AREA (COMPOSED OF PARKING RAMPS AND DECOMPOSED HOUSING) ON WHICH IS BUILT THE PRESENT STATION.

SECRET

0404



0405

SECRET

20

IN AIR DEFENSE.

THE DIVISION SECTOR CHANGE WAS COMMAND-WIDE IN SCOPE. IT WAS PREDICATED UPON TWO FACTORS: THE IMPROVED MANUAL SYSTEM AND THE SAGE SYSTEM. FIRSTLY, MORE AIR DIVISIONS WERE ACTIVATED. THIS WAS DICTATED BY THE FACT THAT THE PRESENT AIR DEFENSE SYSTEM HAD MORE (AND IMPROVED) FIGHTER-INTERCEPTOR SQUADRONS, RADARS AND EQUIPMENT. THIS ALONE GAVE THE AIR DEFENSE COMMAND BETTER FLEXIBILITY AND FURTHER DECENTRALIZATION. SECONDLY, THE CHANGE WAS EFFECTED WITH A STRONG MOTIVE TOWARD UNITING THESE SECTOR CHANGES MOST ADVANTAGEOUSLY WITH THOSE OF THE PROPOSED SAGE SUBSECTORS. UNFORTUNATELY, THE HARMONY SOUGHT FOR IN THIS CASE WAS NOT CONSUMMATED. ALTHOUGH THE SECTOR CHANGE WAS CONDITIONALLY ACCEPTED FOR THE SAGE SYSTEM, THERE HAD TO BE OTHER SECTOR CHANGES AS THE SAGE COMPONENTS WERE PHASED IN TO THE MANUAL SYSTEM.

-
17. THE REASONS FOR THIS WERE THREEFOLD. THE NATURE OF THE CATHODE RAY TUBES (FOR DISPLAYING AIR SURVEILLANCE INFORMATION) DICTATED THAT SUBSECTOR BOUNDARIES BE ROUGHLY RECTANGULAR IN SHAPE. ALSO, CERTAIN OF THE CRITICAL TARGET AREAS WERE IN A POOR POSITION FOR DEFENSE -- IN TERMS OF THEIR DIRECTION CENTERS. FINALLY, DUE TO THE VARIATION IN SIZE OF SOME OF THE SUBSECTORS, WEAPONS HANDOVER COULD CONCEIVABLY BECOME DIFFICULT. (CONT'D ON NEXT PAGE.)

SECRET

0406



0407

SECRET

21

AT FIRST GLANCE, THE RESULTS OF THE SECTOR CHANGE TO THIS HEADQUARTERS WOULD SEEM DEVASTATING. GONE WERE BOTH OF THE AIR DEFENSE WINGS, THREE FIGHTER-INTERCEPTOR SQUADRONS, THREE P-SITES, ONE PICKET VESSEL AND THE MAN-MADE ISLAND KNOWN AS THE TEXAS TOWER. MOREOVER, MANY AUGMENTATION UNITS WERE LOST TO OTHER DIVISIONS. GONE TOO, WERE THE TWO LARGEST INDUSTRIAL, ECONOMIC AND CIVILIAN COMPLEXES WITHIN THE OLD DIVISION SECTOR: BUFFALO AND BOSTON.

HOWEVER, TAKEN IN THE LIGHT OF THE DYNAMIC CHANGE THAT SWEEPED THE AIR DEFENSE COMMAND, THE RESULTS OF ALL THIS WERE HEARTENING, INDEED -- IT SIGNIFIED GROWTH OF A MIGHTY POTENTIAL. KEY AIR DIVISIONS HAD NOW TAKEN THE INITIAL STEP IN CROSSING THE THRESHOLD OF AUTOMATION. ALTHOUGH STILL A LONG WAY OFF, THE CORNERSTONE OF NEW ENGLAND SECTOR DEFENSE WAS SLOWLY BEING GEARED FOR SAGE, AND THE PACE WAS QUICKENING.

17. (CONT'D FROM PRECEDING PAGE).

(FOR INSTANCE, A LARGE SUBSECTOR TURNING OVER WEAPONS TO A SMALL SUBSECTOR, ALREADY BURDENED WITH ITS OWN COMPLIMENT OF WEAPONS, COULD RESULT IN A DISTINCT DISADVANTAGE; IMPROPER UTILIZATION AND WASTE OF CRITICAL WEAPONS).

OPLAN FOR SAGE SYSTEM, 7 MAR 55 P 27.

SECRET

0408

SECRET

22

REORGANIZATION

THE PACE WAS MOMENTARILY CLIMAXED ON 1 MARCH WHEN A REORGANIZATION OF TREMENDOUS PROPORTIONS TOOK PLACE WITHIN AIR DEFENSE COMMAND. ASIDE FROM A SUBSTANTIAL REDUCTION IN SECTOR SIZE, THE 32D AIR DIVISION LOST BOTH WINGS. THE 4707TH AIR DEFENSE WING AT OTIS AIR FORCE BASE WENT OUT QUIETLY AND QUICKLY, COMPARED TO THE 4711TH AIR DEFENSE WING AT PRESQUE ISLE AIR FORCE BASE. THE 4707TH WAS GAINED BY THE 26TH AIR DIVISION AT ROSLYN AIR FORCE STATION, NEW YORK. THE 4711TH WAS DEPLOYED TO SELFRIDGE AIR FORCE BASE, MICHIGAN, COMING UNDER COMMAND JURISDICTION OF THE 30TH AIR DIVISION AT WILLOW RUN AIR FORCE STATION, MICHIGAN.

THE 4711TH HAD THE UNENVIABLE POSITION OF MAINTAINING A "ONE AND ONE STATUS". WHILE THEIR NEW HEADQUARTERS WAS BEING ESTABLISHED AT SELFRIDGE, ACTIVE COMMITMENTS HAD TO BE MET AT PRESQUE ISLE. MOMENTARILY THEN, THE WING HEADQUARTERS WAS LIKE A CELL UNDERGOING MITOSIS -- SEPARATED INTO TWO HALFS, EACH HALF ALIKE IN FUNCTION. THE ONLY DIFFERENCE WAS THE FACT THAT AS ONE HALF "DIED", THE OTHER TOOK OVER IMMEDIATELY IN A NEW LOCATION: THIS WAS THE SEQUENCE OF EVENTS THAT WAS CLIMAXED AT 0001Z, 1 MARCH 1956.

SECRET

0409

SECRET

23

PRIOR TO THE WING'S DEPARTURE FROM THIS DIVISION, A DIRECTIVE WAS SENT TO IT IN WHICH CERTAIN RULES OF PLAY WERE ESTABLISHED FOR DEPLOYMENT. IN SEPTEMBER, 1955, EASTERN AIR DEFENSE FORCE OFFICIALLY FOREWARNED THE WING,¹⁸ AND OUTLINED THE CRITERIA WHICH WOULD HAVE TO BE MET. FOREMOST OF THESE WAS THE ESTABLISHMENT OF AN ADVANCE ECHELON AT SELFRIDGE, TO BE AT SITE NO LATER THAN 1 FEBRUARY 1956, AND THE CHANGE OF COMMAND POSTS WHICH WAS CONCURRENT WITH THE ENTIRE BOUNDARY CHANGE OF EADF.¹⁹ THE MOVEMENT WAS PRECIPITATED BY A WARNING ORDER AND SUBSEQUENT MOVEMENT ORDER FROM DIVISION HEADQUARTERS.²⁰

18. LTR & IND, EADF TO 32D ADIV, "MOVE OF 4711TH AIR DEFENSE WING HEADQUARTERS (UNCL)", 23 SEP 55 (S.D. 18).

19. IBID. LTR.

20/ 1. TWX, ACFOPR 12057, 32D ADIV TO 4711TH ADW, 6 DEC 55 (S.D. 20/1).
 2. TWX, ACFOPR 12074, 32D ADIV TO 4711TH ADW, 8 DEC 55 (S.D. 20/2).
 3. LTR, 32D ADIV TO 4711TH ADW, "MOVEMENT ORDER (4711TH ADW Hqs)", 20 DEC 55 (S.D. 20/3).
 4. TWX, ACFOPR 12164, 32D ADIV TO 4711TH ADW, 27 DEC 55 (S.D. 20/4).
 5. TWX, ACFOPR 0105, 32D ADIV TO 4711TH ADW, 17 JAN 56 (S.D. 20/5).
 6. LTR, 32D ADIV TO 4711TH ADW, "AMENDMENT TO MOVEMENT ORDER (4711TH ADW Hq, DTD 20 DEC 55)", 25 JAN 56 (S.D. 20/6).

SECRET

0410

SECRET

24

IT IS COMMENDABLE THAT SUCH AN AMBITIOUS PROGRAM WAS WELL EFFECTED. PROBLEMS NATURALLY AROSE, BUT WERE NEVER SO SERIOUS AS TO JEOPARDIZE THE DIVISION'S COMBAT CAPABILITY. PROJECTING AHEAD, THERE WERE TWO RAMIFICATIONS OF THE LOSS OF THE WINGS WHICH HAD TO BE CONSIDERED. ONE WAS THE OBVIOUS INCREASED WORKLOAD -- ADMINISTRATIVELY -- THAT WOULD BURDEN THE DIVISION HEADQUARTERS; THE OTHER WAS THE POSSIBLE ASSIGNMENT OF THE SQUADRONS UNDER THE GROUPS AT PRESQUE ISLE AND BURLINGTON.

IF THE LATTER HAD BEEN CONSUMMATED, THE DREAD OF THE INCREASED WORKLOAD WOULD HAVE BEEN NULLIFIED. ALTHOUGH DIRECT ASSIGNMENT OF SQUADRONS TO GROUPS WERE STRONGLY ADVOCATED BY THIS HEADQUARTERS, THE SQUADRONS WERE MERELY ATTACHED; A COMPROMISE WHICH RESULTED IN THE DIVISION HEADQUARTERS ASSUMING THE ADMINISTRATIVE ROLE OF BOTH WINGS.

THUS, THIS HEADQUARTERS ASSUMED A WORKLOAD MUCH

-
- 21/ 1. 32D ADIV STAFF MEETING MINUTES, 6 JAN 56 (S.D. 21/1).
 2. 32D ADIV STAFF MEETING MINUTES, 11 JAN 56 (S.D. 21/2).
 3. 32D ADIV STAFF MEETING MINUTES, 19 JAN 56 (S.D. 21/3).
 4. 32D ADIV STAFF MEETING MINUTES, 23 JAN 56 (S.D. 21/4).
 5. 32D ADIV STAFF MEETING MINUTES, 14 FEB 56 (S.D. 21/5).
 6. 32D ADIV STAFF MEETING MINUTES, 20 FEB 56 (S.D. 21/6).

- 22/ 1. TWX, ACFOPR 01022, 32D ADIV TO 4711TH AIW, 6 JAN 56 (S.D. 22/1).
 (CONT'D ON NEXT PAGE.)

SECRET

0411

SECRET

25

GREATER THAN HAD BEEN EXPERIENCED, AUGMENTED BY PLANNING AND PROGRAMMING FOR SAGE.

SARATOGA SPRINGS TO ST. ALBANS

AS ORDERS EFFECTING SECTOR CHANGES WERE PUBLISHED IN HIGHER ECHELONS OF COMMAND, THE DIVISION HAD TO CONSIDER ONE ASPECT OF SECTOR DEFENSE WHICH WAS OF PRIME IMPORTANCE. THIS WAS THE DIVISION'S ALTERNATE COMMAND

22/ (CONT'D FROM PRECEDING PAGE)

2. EADF GO 14, 3 FEB 56 (S.D. 22/2).
3. TWX, EAOMO 5965, EADF TO 32D ADIV, 4707TH AND 4711TH ADWS, 13 FEB 56 (S.D. 22/3).
4. EADF GO 17, 13 FEB 56 (S.D. 22/4).
5. 32D ADIV STAFF MEETING MINUTES, 28 FEB 56 (S.D. 22/5).
6. TWX, ACFOPR 02138, 32D ADIV TO APPLICABLE UNITS, 28 FEB 56 (S.D. 22/6).
7. TWX, ACFOPR 02137, 32D ADIV TO APPLICABLE UNITS, 28 FEB 56 (S.D. 22/7).
8. TWX, ACFOPR 02140, 32D ADIV TO ALL UNITS, 29 FEB 56 (S.D. 22/8).
9. 32D ADIV GO 4, 29 FEB 56 (S.D. 22/9).

THE CHARACTER AND BODY OF THE 4711TH ADW WAS SOON DEAD. THE MITOTIC SPLIT WHICH IT HAD UNDERGONE AT PRESQUE ISLE WAS A GLOOMY PORTENT FOR THOSE IN THE WING HEADQUARTERS. THE LIVE HALF WAS SOON DEAD AT SELFRIDGE, BEING DEACTIVATED IN JUNE.

10. EADF GO 39, 28 JUN 56 (S.D. 22/10).

23/ 1. CONAD GO 19, 26 DEC 55 (S.D. 23/1).
(CONT'D ON NEXT PAGE.)

SECRET

0412

SECRET

26

POST PLAN. THE SECTOR CHANGE SAW THE 656TH AC&M SQUADRON AT SARATOGA SPRINGS (THE OLD ALTERNATE COMMAND POST) REASSIGNED TO THE 26TH AIR DIVISION. CONSEQUENTLY, THE 764TH AC&M SQUADRON AT ST. ALBANS, VERMONT WAS CHOSEN AS THE NEW SITE.

THIS NECESSITATED REQUESTS FOR FURTHER COMMUNICATIONS FACILITIES, BASED UPON ITS ENLARGED FUNCTION. OVERLAP TELLING, AIR CONTROL AND SURVEILLANCE, AND CROSS-TELLING CIRCUITRY WERE OF MAJOR IMPORTANCE IN THIS CASE. VIRTUALLY ALL OF THIS WAS DEPENDENT UPON REVISED CABLE REQUIREMENTS, CIRCUITRY, AND THE EXISTING LANDLINE SYSTEM. ST. ALBANS WAS CHOSEN ON THIS BASIS, AND THE FACT THAT IT IS

23/ (CONT'D FROM PRECEDING PAGE).

2. ADC GO 67, 27 DEC 55 (S.D. 23/2).
 3. LTR, 32D ADIV TO 4707TH AND 4711TH ADIVS, "SUBSECTORS OF RESPONSIBILITY", 27 JAN 56 (S.D. 23/3).
 4. EADF GO 15, 9 FEB 56 (S.D. 23/4).
 5. LTR & IND, EADF TO 32D ADIV, "ASSIGNMENT OF AIR DEFENSE SUBSECTORS", 24 FEB 56 (S.D. 23/5).
 6. TX, ACFOOT-A 03037, 32D ADIV TO APPLICABLE UNITS, 7 MAR 56 (S.D. 23/6).
 7. TX, ACFOOT-A 03038, 32D ADIV TO APPLICABLE UNITS, 7 MAR 56 (S.D. 23/7).
 8. 32D ADIV GO 3, 5 JUN 56 (S.D. 23/8).
24. LTR, 32D ADIV TO EADF, "ALTERNATE COMMAND POST CABLE REQUIREMENTS", 7 NOV 55 (S.D. 24).

SECRET

0413

SECRET

27

25

RELATIVELY ISOLATED.

FURTHER ELABORATION OF THE ALTERNATE COMMAND POST PLAN WAS REFLECTED WITHIN THE 14TH AND 23D FIGHTER GROUPS. IN THE EVENT OF COMMUNICATIONS FAILURE BETWEEN DIVISION HEADQUARTERS AND ITS SUBORDINATE UNITS, RESULTING IN DEGRADATION OF COMMAND, EITHER THE COMMANDER OF THE JOINT 32D AIR DIVISION OR THE COMMANDER OF THE ALTERNATE COMMAND POST MAY DELEGATE THE RESPONSIBILITIES OF SECTOR DEFENSE TO THE COMMANDERS OF THE FIGHTER GROUPS.

26

THE DIVISION SECTOR WAS DIVIDED INTO WESTERN AND EASTERN AREAS. THE 14TH FIGHTER GROUP COMMANDER WAS THEN GIVEN THE AIR DEFENSE RESPONSIBILITY OF THE WESTERN AREA.

-
- 25/ 1. LTR, 32D ADIV TO 14TH FTR GP, "ALTERNATE COMMAND POST", 14 MAR 56 (S.D. 25/1).
 2. LTR, 32D ADIV TO EADF, "ALTERNATE OPERATING LOCATION (UNCLASSIFIED)", 25 APR 56 (S.D. 25/2).

THE SECTOR CHANGE PRESENTED OTHER PROBLEMS, TOO. ASIDE FROM THE COMMAND POST CHANGE, SOME DIFFICULTY WAS EXPERIENCED WITH TEXAS TOWER #2, AND COMMUNICATIONS WITH AIR RESCUE SERVICE AND THE FIRST COAST GUARD DISTRICT WITH THE 26TH AIR DIVISION.

3. TWX, ACFOOT-A 03126, 32D ADIV TO 26TH ADIV, 26 MAR 56 (S.D. 25/3).
 4. TWX, ACFOCE 03103, 32D ADIV TO EADF, 17 MAR 56 (S.D. 25/4).
 26. 32D ADIV OP PLAN 503-56, 1 APR 56 (S.D. 26).

SECRET

0414

SECRET

28

AND THE COMMANDER OF THE 23D FIGHTER GROUP RECEIVED DEFENSE
RESPONSIBILITY OF THE WESTERN AREA. THE 764TH AND 766TH²⁷
AC&W SQUADRONS WERE TO BE THE DIRECTION CENTERS FOR THE
WESTERN AND EASTERN AREAS.²⁸ FURTHER DECENTRALIZATION OF
THE AIR DEFENSE COMBAT UNITS WOULD THEN BE ENHANCED, SHOULD
THE OCCASION ARISE.

BY THE SAME TOKEN, THIS DIVISION COMMAND POST STILL
REMAINED THE SECONDARY FOR EADF. THE ORGANIZATIONAL CHANGE²⁹
OF 1 MARCH DID NOT CHANGE THE BASICS OF THIS POLICY.

27. J.B.D. P 1.

28. J.B.D. P 2.

29. CHANGE #1 TO Jt/32d AD(D) Jt/EADF ALCOP SUPPORT PLAN
5-55. 3 FEB 56 (S D. 29).

SECRET

0415

SECRET

CHAPTER THREE: CONCEPT TO REALITY

THE NEW CONCEPT WAS FAST APPROACHING THE MID-WAY MARK. IF ALMOST 24,000 CUBIC YARDS OF REINFORCED CONCRETE CAN BE ASSESSED AS REASONABLE EVIDENCE, FOR ALMOST A YEAR, A CONSTANT PROCESSION OF CONCRETE-LADEN TRUCKS POURED THEIR CONTENTS INTO A LARGE CYLINDER; FROM THERE, THE CONCRETE WAS HOISTED AND POURED INTO THE MASSIVE FORMS FROM WHICH THE BUILDINGS WOULD BE CAST. AFTER SETTING, THE FORMS WERE STRIPPED FROM HARDENED CONCRETÉ, REVEALING THE BUILDINGS WHICH WERE TO HOUSE THE SAGE COMPONENTS.

-
30. THE CONSTRUCTION WAS NOT COMPLETE BY THE END OF THE PERIOD UNDER STUDY. RATHER THAN BREAK THE CONTEXT OF THIS IMPORTANT PHASE, THE HISTORIAN HAS TAKEN THE LIBERTY TO TREAT THIS IN ITS ENTIRETY. BY DOING THIS, A COMPLETE PHASE OF SAGE MAY BE DISCUSSED, WITHOUT THE USUAL DETRIMENT OF FOLLOWING A STRICT SIX MONTHS PERIOD.

SECRET²⁹

0416

SECRET

30

CONSTRUCTION OF SAGE BUILDINGS

THESE BUILDINGS NUMBERED FOUR. BY THE END OF THE PERIOD UNDER STUDY, THREE WERE COMPLETE -- AT LEAST IN TERMS OF THEIR CONCRETE SHELLS. THE FOURTH WAS FINISHED BY MID-OCTOBER. ALL WERE CHARACTERISTIC OF BUILDINGS WHICH COULD STAND THE TREMENDOUS EFFECTS OF NUCLEAR SHOCK; FEW OPENINGS ON THEIR FACADES, AND ENTRANCES WERE CAREFULLY PROTECTED BY CONCRETE WALLS, GIVING THE EFFECT OF A MAIZE.

ALL OF THE WALLS HAVE AN AVERAGE BREADTH OF A

-
31. WHEN INITIALLY PLANNING FOR THE CONSTRUCTION OF THE SAGE BUILDINGS, THE QUESTION AROSE (AMONG OTHERS) AS TO WHETHER IT WOULD BE FEASIBLE TO CONSTRUCT THEM UNDER GROUND. IT WAS DETERMINED THAT THE COST WOULD BE PROHIBITIVE; ALSO, SHOULD THE SOVIETS ATTACK, THEIR MAIN CONCERN -- AT LEAST IN THE INITIAL ATTACK -- WOULD SAC BASES AND HEAVY INDUSTRIAL/POPULATION CENTERS.

OPLAN FOR SAGE SYSTEM, 7 MAR 55, P 8.

WELL INDEED, THAT THIS FORM OF CONSTRUCTION WAS NOT USED. KEEPING SITE SELECTION CRITERIA IN MIND, SYRACUSE WAS QUITE IDEAL, BUT NOT FROM THE STANDPOINT OF TERRAIN. MUCH OF THE LAND FOR LOGICAL CONSTRUCTION SITES IS GLACIAL MORAINE, THE RESULT OF WHICH IS LOW SWAMPY LAND AFFORDING POOR DRAINAGE AND A PARTICULARLY VORACIOUS BREED OF MOSQUITOES.

SECRET

0417

SECRET

31

³² FOOT. THE EXTERIOR DIMENSIONS VARY CONSIDERABLY. THE DIRECTION CENTER, TALLEST OF THE BUILDING COMPLEX, IS 70 FEET HIGH. ITS OPERATIONAL COUNTERPART, THE COMBAT CENTER, IS ROUGHLY 47 FEET HIGH. BOTH BUILDINGS ARE 150 FEET SQUARE. THEIR SHEER WALLS ARE BROKEN ONLY BY DUCTS FOR THE PLENUM CHAMBERS, THOSE ARTERIAL SHAFTWAYS WHICH WILL SUPPLY AIR FOR THE MASSIVE AIR CONDITIONERS. BEHIND THESE MONOLITHIC GIANTS, AND THUS AFFORDING THEM PROTECTION, ARE THE POWER PLANT AND COOLING TOWER.

THE FUNCTION OF THE POWER BUILDING IS DISCLOSED ONLY THROUGH SEVEN LARGE EXHAUSTS AND STACKS FOR THE DIESEL ENGINES. THIS BUILDING IS OF CONSIDERABLE PROPORTION ALSO, MEASURING 220 FEET IN LENGTH, 100 FEET WIDE, AND SOME 26 FEET HIGH. SINCE THE BUILDING IS CONSIDERABLY LOWER THAN THE TWO FACING THE CITY, A GOOD DEAL OF PROTECTION IS GAINED. THE DIESEL GENERATORS WILL AFFORD THE SAGE COMPLEX WITH ALL OF ITS

32. OF PARTICULAR INTEREST TO THE HISTORIAN IS THE ARCHITECTURAL TREATMENT ACCORDED THE BUILDINGS. AN UNBROKEN FACADE OF CONCRETE SOME 70 FEET HIGH RENDERS ORNAMENTATION DIFFICULT. ALL OF THE BUILDINGS, WITH THE EXCEPTION OF THE COOLING TOWER, HAVE SUBTLY RENDERED ENGAGED PILASTERS ON THEIR EXTERIORS, NEATLY BREAKING UP A VERY DULL SURFACE.

SECRET

0418

SECRET

32

POWER, THE COMBINED TOTAL OF WHICH IS 8,750 KILOWATTS. THE HEART OF THE COOLING SYSTEM FOR THE ENGINE/GENERATOR COMBINATION IS WITHIN THE NEXT BUILDING, THAT BEING A COOLING TOWER.

THE COOLING TOWER SERVES A DUAL PURPOSE. AS MENTIONED ABOVE, IT WILL COOL THE EQUIPMENT IN THE POWER PLANT. MORE IMPORTANT IS ITS PURPOSE OF COOLING THE ENTIRE COMPLEX, THIS BEING ACCOMPLISHED BY COOLING THE HEATED WATER RETURNING FROM THE AIR CONDITIONERS.

THE ELABORATE AND HIGHLY COMPLEX FASHION IN WHICH THIS CONSTRUCTION WAS CONSUMMATED IS INDICATIVE OF A "CRASH PROGRAM" THAT SEEMS TO BE A TRAIT PECULIAR TO AMERICANS. THE SPEED IN WHICH CONSTRUCTION WAS COMPLETED WAS PHENOMENAL; SO WAS THE COST OF \$8,000,000, WHICH ACCOUNTED FOR ONLY THE CEMENT CONTRACT. ALTHOUGH SUBSTANTIAL, THE COST OF THIS PHASE IS RELATIVELY INSIGNIFICANT, IF TAKEN IN THE LIGHT OF TOTAL DEFENSE EXPENDITURES.

33. THE VAST NUMBER OF VACUUM TUBES USED IN THE ELECTRICAL EQUIPMENT WILL RADIATE A TREMENDOUS AMOUNT OF HEAT. WITH NO WINDOWS AFFORDING ANY VENTILATION, THE AIR CONDITIONERS THUS HAVE A TREMENDOUS CAPACITY -- THIS BEING REALIZED THROUGH MUCH WATER AND STRONG BLOWERS.

SECRET

0419

SECRET

33

MORE IMPRESSIVE WERE THE EXTENUATING CONDITIONS IN WHICH THE MAJOR PORTION OF THE CONSTRUCTION WAS ACCOMPLISHED: A WINTER IN SYRACUSE THAT SAW MORE SNOW (146.8 INCHES) THAN WAS EVER RECORDED IN THIS CITY.

IF CEMENT FREEZES PRIOR TO SETTING, THE JOB IS A FAILURE. THUS, PORTABLE GAS HEATERS, ACRES OF TARP-AULINS, AND GALLONS OF COFFEE WON THE BATTLE. THE CEMENT WAS HELD IN FORM THROUGH THE USE OF PREFABRICATED PLY-WOOD FORMS AND REINFORCING STEEL TIED AND WELDED TOGETHER. AS THE WOODEN FORMS WERE NAILED AND BOLTED TOGETHER, HUGE CRANES WOULD THEN LIFT ENTIRE SECTIONS OF REINFORCING STEEL TO THEIR PROPER POSITION. FURTHER WELDING, BOLTING AND PROFANITY WERE THEN THE ORDER OF THE DAY, FINALLY TO BE FOLLOWED WITH THE CONCRETE. THE FINAL RESULT IS GRATIFYING, INDEED, WHEN TAKEN IN THE LIGHT OF IMPROVED AIR DEFENSE; BUT NONETHELESS TERRIFYING, WHEN THOUGHT IN TERMS OF WHY IT HAS TO BE CONSTRUCTED.

34. ON NUMEROUS OCCASIONS, THE HISTORIAN WENT TO THE CONSTRUCTION SITE TO OBSERVE PROGRESS. HE IS CONVINCED THE PROGRESS AND PROFANITY AND SYNONYMOUS, IF THE LANGUAGE OF THE CONSTRUCTION WORKERS AND CRANE OPERATORS CAN BE COMPARED TO THEIR PHENOMENAL CONSTRUCTION ACHIEVEMENTS.

SECRET

0420

SECRET

34

PROGRAMMING

THE GATHERING MOMENTUM OF THE SAGE SYSTEM WAS EVERYWHERE APPARENT AT THIS HEADQUARTERS. ALL-ENCOMPASSING IN SCOPE AND IMPACT, THERE WAS NO ONE OFFICE WHICH DID NOT WITNESS OR PARTICIPATE IN ONE OF THE PHASES THAT WOULD SEE SAGE EVOLVE AS A COHESIVE AND EFFECTIVE OPERATIONAL UNIT. GENERAL ISRAEL DICTATED TO HIS STAFF THE CRITERIA FOR THIS PHASE, AND IT IS NOTEWORTHY, INDEED:

...WE ARE GOING TO BE RESPONSIBLE FOR ACTIVATION, MANNING, ORGANIZING, SUPPLYING AND ALL... A DIVISION HEADQUARTERS (SAGE) AND A WING HEADQUARTERS (SAGE). THERE WILL BE PROJECT OFFICERS APPOINTED ON EACH ONE OF THESE ITEMS. I WANT ALL OF YOU, RIGHT NOW, TO START WRITING DOWN ACTION ITEMS FOR EACH ONE OF THESE OUTFITS. I WANT PROGRAM PLANS OF ALL ACTION TO BE TAKEN - HOW, WHERE AND WHEN - DURING THIS PROCESS. THERE SHOULD BE DETAILED CHECK LISTS OF ALL ACTIONS, TIMETABLES, ETC., LAYING THE FINGER ON THE PERSON RESPONSIBLE. PROJECT OFFICERS WILL BE RESPONSIBLE FOR CONTACTING PEOPLE WHO ARE SUPPOSED TO TAKE ACTION, AT LEAST ONCE A MONTH, AND GIVE ME A REPORT ON THE PROGRESS BEING MADE ON THE PROGRAM PLANS. THIS IS THE ONLY WAY WE CAN BE SURE WE WON'T MISS DETAILS.

PROJECT OFFICERS WERE APPOINTED, AND, OF A SUDDEN, THE VAST COMPLEXITIES OF SAGE WERE BECOMING MORE UNITED.

35. 32D ADV STAFF MEETING MINUTES, 27 FEB 56 (S.D. 35).

36. LTR, GEN ISRAEL TO COL. O'NEILL, "SAGE PROJECT", 12 APR 56 (S.D. 36).

SECRET

0421

SECRET

35

COORDINATION, PLANNING, AND ACTUAL CONSTRUCTION WERE THE FRUITS OF THIS VENTURE; A VENTURE BECAUSE THIS WAS THE FIRST TIME THAT THE SCIENCE OF AIR DEFENSE WAS ACTUALLY GROPING INTO AN UNKNOWN FIELD. THE ONCE RIGID RULES OF PROGRAMMING -- BASED UPON NEED -- WERE TO BE REWORKED, ADJUSTED, AND ADAPTED. THESE ADAPTED RULES EMBODIED THE CONCEPTS FOR GROUPS, WINGS, AND OTHER ORGANIZATIONAL UNITS UNDER THE SAGE SYSTEM WHICH WERE TO HAVE ENTIRELY NEW CHARACTERISTICS. THESE CHARACTERISTICS WERE TO APPEAR IN THE FORM OF UNIT EQUIPMENT AUTHORIZATION LISTS, UNIT MANNING DOCUMENTS, AND THE WIDE VARIETY OF OTHER DOCUMENTATION WHICH WOULD CRYSTALLIZE A WORKING SYSTEM.

THE FAST CRYSTALLIZING WORKING SYSTEM WAS FURTHER AUGMENTED BY THE SWIFT ORGANIZATIONAL TRANSITIONS WHICH WERE AFFECTING THIS DIVISION. ³⁷ NEW UNITS WERE ACTIVATED

37/ 1. 32D ADIV STAFF MEETING MINUTES, 23 FEB 56
(S.D. 37/1).

THE SPECIFICS OF THIS CRYSTALLIZATION PROCESS WERE, IN SOME INSTANCES, HIGHLY TAXING. THIS WAS TO BE EXPECTED, AS IN THESE INSTANCES, DEMANDS FAR OUTSTRIPPED AVAILABILITY. ONE OF THE CRITERIA FOR SITE SELECTION WAS THE PROXIMITY TO AN ADC BASE. AS WAS NOTED, SYRACUSE MORE OR LESS MET THIS
(CONT'D ON NEXT PAGE.)

SECRET

0422

SECRET

36

WHICH EITHER REFLECTED THE OPERATIONAL OR SUPPORT ACTIVITIES. THE 4624TH AIR DEFENSE WING WAS SCHEDULED FOR ACTIVATION IN OCTOBER, AFTER THE ACTIVATION OF ITS MAIN SUPPORT COMPONENT, THE 4624TH AIR BASE SQUADRON. ³⁸ THE ³⁹ LATTER WAS ACTIVATED IN JUNE.

37/ (CONT'D FROM PRECEDING PAGE).

DEMAND, BUT COULD A NON-TACTICAL FLIGHTLINE SUPPORT THE INFLUX OF THE MANY RATED OFFICERS FOR SAGE? FOR ALL OF THEM TO ADEQUATELY MAINTAIN PROFICIENCY, PERMANENT AIRCRAFT MAINTENANCE CAPABILITY WOULD BE DESPERATELY NEEDED. THIS HEADQUARTERS QUERIED EADF AS TO ITS CHANCES FOR AUTHORIZATION, AND FOR THE TIME BEING, ITS REQUEST WAS NEGATIVELY RECEIVED.

2. TTX, ACFOPR 01036, 32D ADIV TO EADF, 6 JAN 56 (S.D. 37/2).
3. LTR, EADF TO 32D ADIV, "PERSONNEL STRENGTH FOR PROJECT SAGE, SYRACUSE, NEW YORK", 27 DEC 54 (S.D. 37/3).

IT WAS POINTED OUT THAT THIS STATION WOULD, IN ALL PROBABILITY, BECOME A BASE. THIS BEING THE CASE, AN AIR BASE SQUADRON WOULD BE ONE OF THE RESULTS, THUS AFFORDING THE FLIGHTLINE WITH ADEQUATE PLANES AND EQUIPMENT. INTERVIEW WITH MAJOR CARL BURAK, OPR, THIS HEADQUARTERS, 29 NOV 56.

38/ 1. 32D ADIV STAFF MEETING MINUTES, 19 JUN 56 (S.D. 38/1).

- 39/ 1. LTR, GEN ISRAEL TO EADF, "SPECIAL INSTRUCTIONS FOR SAGE REORGANIZATION", 26 JUN 56 (S.D. 39/1).
2. ADC GO 27, 19 JUN 56 (S.D. 39/2).

ANOTHER SUPPORT ACTIVITY WHICH HAD BEEN PREVIOUSLY ACTIVATED WAS THE 642D USAF DISPENSARY, TO BE LOCATED (CONT'D ON NEXT PAGE.)

SECRET

0425

SECRET

37

AS THE ORGANIZATIONAL COMPLEX GREW, SO DID THE NEED FOR HOUSING, THE PERENNIAL THORN IN THE SIDE OF THE AIR DEFENSE COMMAND. FORTUNATE INDEED, WOULD BE THE FUTURE PERSONNEL OF SYRACUSE AIR FORCE STATION, FOR 216 HOUSING UNITS WERE AUTHORIZED, WITH CONSTRUCTION TO START IN 1957.

39/ (CONT'D FROM PRECEDING PAGE).

AT SYRACUSE AIR FORCE STATION, ALTHOUGH ITS ACTIVATION WAS KNOWN, THERE HAD BEEN NO PROGRAMMING DONE FOR ITS HOME AT THIS STATION. MORE BUILDING FLOOR SPACE WAS STILL TO BE NEEDED.

3. EADF GO 23, 15 MAR 56 (S.D. 39/3).
4. 32D ADIV GO 7, 8 APR 56 (S.D. 39/4).

- 40/
1. 32D ADIV STAFF MEETING MINUTES, 27 JAN 56 (S.D. 40/1).
 2. 32D ADIV STAFF MEETING MINUTES, 8 FEB 56 (S.D. 40/2).

FOR FURTHER DETAIL CONCERNING THE PROGRAMMING AND CONSTRUCTION OF THE NEW INSTALLATIONS OF THIS BASE, THE FOLLOWING WILL BE HELPFUL.

3. 32D ADIV STAFF MEETING MINUTES, 16 JAN 56 (S.D. 40/3).
4. 32D ADIV STAFF MEETING MINUTES, 18 JAN 56 (S.D. 40/4).
5. 32D ADIV STAFF MEETING MINUTES, 24 FEB 56 (S.D. 40/5).
6. 32D ADIV STAFF MEETING MINUTES, 23 MAR 56 (S.D. 40/6).
7. 32D ADIV STAFF MEETING MINUTES, 27 APR 56 (S.D. 40/7).
8. LTR, 32D ADIV TO MAAMA, "REHABILITATION OF (CONT'D ON NEXT PAGE.)"

SECRET

0424

SECRET

38

SAGE WAS ALSO DESTINED TO CONSUMMATE SOME DYNAMIC CHANGES IN THE ORGANIZATIONAL STRUCTURE OF EASTERN AIR DEFENSE FORCE. AS THE SYRACUSE SECTOR IS PHASED INTO SAGE, THE 32D AIR DIVISION WILL LOSE MUCH OF ITS COMMAND RESPONSIBILITY. THE 26TH AIR DIVISION IS SCHEDULED TO TAKE OVER THE SYRACUSE SECTOR. THE 32D AIR DIVISION WILL MAINTAIN THE MANUAL SYSTEM OF THE TOPSHAM SUBSECTOR UNTIL ITS SAGE DIRECTION CENTER IS DUE FOR OPERATION. AT ITS OPERATIONAL DEBUT, THE 32D WILL THEN DEPART FOR FORT KNOX, KENTUCKY, LEAVING SYRACUSE HEADQUARTERS FOR THE 26TH AIR DIVISION. THIS FACT WAS NOT WELL RECEIVED BY THIS DIVISION.

ESSENTIALLY, THERE WERE TWO REASONS WHY THIS DIVISION VOICED SOME CONCERN. FIRST, THE CONCEPT OF TWO DIVISIONS PRESENT AT SYRACUSE DID NOT SEEM TOO WORKABLE AN AGREEMENT. THERE WOULD BE MUCH DUPLICATING OF EFFORT IN THE SAME DIRECTION, CONCURRENT WITH THE ENTIRE BUILD-UP OF SAGE WITHIN THIS SECTOR. BY THE SAME TOKEN, SPACE

-
- 40/ 8. (CONT'D FROM PRECEDING PAGE).
CONNECTICUT TELEPHONE AND ELECTRIC CORP PBX SWITCHBOARD", 28 FEB 56 (S.D. 40/8).
9. LTR, 32D ADIV TO EADF, "TELEPHONE EXCHANGE AND NEW BUILDING AT SYRACUSE AIR FORCE STATION (UNCLASSIFIED)", 16 MAY 56 (S.D. 40/9).

SECRET

0425

SECRET

39

41

WOULD BE AT A PREMIUM, BOTH OFFICE AND HOUSING.

SECONDLY, WITH THE REMNANT OF THE MANUAL SYSTEM STILL REPORTING FROM THE TOPSHAM SUBSECTOR, THIS HEAD-QUARTERS EXPRESSED THE BELIEF THAT ONE DIVISION COULD ASSUME THE RESPONSIBILITY OF INCORPORATING BOTH THIS SUBSECTOR AND THE BALANCE OF THE SAGE SECTOR UNDER ONE COMMAND. IT WAS FURTHER DESIRED THAT THE 32D AIR DIVISION BE THE ACTION AGENCY.

AT THE CLOSE OF THE PERIOD UNDER STUDY, A COMPROMISE -- OF SORT -- WAS ATTAINED. THE 32D WOULD PLAY AN IMPORTANT ROLE IN READINGYING THE COMBAT CENTER FOR THE 26TH AIR DIVISION. BUT THE 32D WAS STILL DESTINED TO GO TO FORT KNOX AND GUARD THE GOLD.

41. LTR & INCL. GEN ISRAEL TO EADF, "PROGRAMMING FOR SAGE SYSTEM", 19 Oct 55 (s.d. 41).

42. IBID.

ALTHOUGH NOT REALLY STATED, THERE WAS ONE OTHER REASON WHICH OVERSHADOWED THE REST: ESPRIT DE CORPS". THE 32D HAS BEEN IN SYRACUSE ALMOST FIVE YEARS, ENTRENCHED BOTH IN THE LOCALE AND THE MINDS OF ITS MEN, THERE NATURALLY AROSE A GROWING CONCERN FOR ITS FUTURE. NO LONGER LIMITED TO THE STERILITY OF PAPER AND BUILDINGS, IT ASSUMED A MORE PERSONAL ROLE. A GENTLEMANLY RESENTMENT THUS AROSE OVER THE FACT THAT 26TH JUST WOULD BE INFRINGING UPON THE 32D'S DOMAIN.

SECRET

0426

SECRET

40

THE PREPARATION OF THE COMBAT CENTER FOR OPERATIONAL CAPABILITY -- AS WELL AS ALL THE SAGE CENTERS FOR THE FUTURE -- IS UNDER THE THUMB OF MANY DIFFERENT ORGANIZATIONS. THE JOINT PROGRESS OFFICE IN NEW YORK CITY IS THE OVERSEER AND CHIEF COORDINATOR BETWEEN HEADQUARTERS, USAF, AND WESTERN ELECTRIC. WESTERN ELECTRIC, AND ITS SPECIALIZED DEPARTMENT KNOWN AS ADES (AIR DEFENSE ENGINEERING SERVICE) MONITORS ALL THE CONSTRUCTION AND INSTALLATION OF THE BUILDINGS. THE AIR RESEARCH AND DEVELOPMENT COMMAND, IN CONJUNCTION WITH LINCOLN LABORATORY, SUPERVISES THE TESTING OF THE COMPUTERS AND TRAINING OF ITS OPERATORS.

THE BALANCE OF THE WORKLOAD, AND IT IS TREMENDOUS, RESTS UPON THE VARIOUS UNIT COMMANDERS AND PROJECT OFFICERS WHO MUST CONTROL AND SUPERVISE THE MULTITUDINOUS DETAILS. THEY ARE RESPONSIBLE FOR THE TRAINING OF SPECIALISTS IN THE FIELDS OF REFRIGERATION, ELECTRONICS, DIESEL MAINTENANCE, GENERATOR MAINTENANCE, AND TELEPHONE SYSTEMS -- TO MENTION BUT A FEW. THESE SAME MEN ALSO

43. LTR & IND, EADF TO 32D ADIV, "(UNCLASSIFIED) IMPLEMENTATION OF THE SAGE SYSTEM INTO THE EADF AREA OF RESPONSIBILITY", 9 AUG 55 (S.D. 43).

SECRET

0427

SECRET

41

HAVE THE RESPONSIBILITY OF FEEDING, HOUSING, AND GIVING MEDICAL CARE TO THESE SPECIALISTS.

MOREOVER, DIESEL FUEL, SNOWPLOWS, SOLDIER, AND LIGHT-BULBS WILL LIKEWISE RECEIVE THEIR SHARE OF TIME -- TIME EXPENDED TO KEEP THE SYSTEM WORKING. AND, WHILE VARIOUS UNIT COMMANDERS, PROJECT OFFICERS AND ADMINISTRATIVES OFFICES TAKE ACTION FOR THESE FUTURE DEMANDS, THERE IS ALWAYS THE OMINOUS THREAT OF AIR ATTACK, AND THE IMMEDIACY OF AIR DEFENSE. IMMEDIACY TAKEN IN TERMS OF RUNWAY CONDITIONS, WEATHER, AOCF RATE, CONTROLLER/DIRECTOR STATUS AND A MULTITUDE OF OTHER FACTORS. DECISIONS HAVE TO BE MADE WITH THIS WIDE VARIETY OF FACTORS BEARING ON THE PROBLEM; A PROBLEM WHEN RESOLVED, WILL PRODUCE THE MOST EFFECTIVE DEFENSIVE DEPLOYMENT AND ATTACK.

SECRET

0428

SECRET

CHAPTER FOUR: THE ACTUALITIES OF AIR DEFENSE

AIR DEFENSE MAY BE SEEN FROM THREE ASPECTS. THERE IS THE ACTUAL POINT DEFENSE OF AN INDUSTRIAL OR MILITARY COMPLEX, ACCOMPLISHED MAINLY THROUGH THE USE OF GROUND TO AIR MISSILES. THERE IS ALSO PERIMETER DEFENSE, THAT ASPECT OF AIR DEFENSE WHICH EMBODIES MOST OF THE INTERCEPTORS AND RADARS. THE OBJECT HERE IS TO INTERCEPT AND DESTROY PRIOR TO THE TIME THE ATTACKING AIRCRAFT WILL START ON THEIR INITIAL BOMB-RUN. IF NECESSARY, RESERVE INTERCEPTORS MAY THEN CARRY THE BATTLE CLOSER TO HOME. THE THIRD ASPECT OF THE AIR DEFENSE SYSTEM IS THAT OF EARLY WARNING. THIS EMBODIES A NUMBER OF DIFFERENT COMPONENTS, INCORPORATED IN CANADA AND THE TWO OCEANS SURROUNDING US.

42

SECRET

0429

SECRET

43

CANADA HAS THE DISTANT EARLY WARNING LINE (DEW LINE), THE NORTHERNMOST EXTENSION OF OUR RADAR DEFENSES. HALFWAY BETWEEN IT AND THE CANADIAN/UNITED STATES BORDER IS THE MID-CANADA LINE; BELOW THIS IS THE PINETREE LINE. OFFSHORE ON THE EAST AND WEST COASTS IS AN USUAL ARRAY OF MEN AND MACHINERY, DESIGNED TO DETECT.

THE OUTLOOK SEAWARD

VISUALLY SPEAKING, THE OUTLOOK IS GROTESQUE: MAN-MADE ISLANDS, ONCE SLEEK AIRCRAFT SUFFERING FROM THE GOITERS OF RADAR SCREENS AND SHIPS WITH A RAT'S NEST OF ANTENNA AND REVOLVING SCREENS. FUNCTIONALLY, HOWEVER, THE PICTURE IS MUCH BRIGHTER, FOR THESE LONELY OUTPOSTS ARE THE STRONG BACKBONE OF THE SEAWARD EXTENSION OF THE EARLY WARNING ZONE.

PRIOR TO THE ORGANIZATIONAL CHANGE OF 1 MARCH 1956, THE 32D AIR DIVISION HAD TEXAS TOWER #2, TWO PICKET VESSEL STATIONS AND A WING OF AEW&C AIRCRAFT WAS CONDUCTING OPERATIONAL TRAINING IN ITS SEAWARD APPROACHES. AFTER THAT DATE, THE 32D HAD ONE PICKET VESSEL STATION REMAINING.

44. THIS LONELY AND COLD OUTPOST IS STATION 12, 42°45'N;
63°30'W.

SECRET

0430

SECRET

44

REGARDLESS OF THE DATE, BOTH HALVES OF THE PERIOD UNDER STUDY HAD ONE THING IN COMMON -- AT LEAST IN TERMS OF THE SEAWARD EXTENSION, AND THIS WAS THE COMPLEXITY OF THE ENTIRE COMMUNICATIONS NETWORK BETWEEN THE SHORE-BASED RADAR TELLING SITES AND THEIR COUNTERPARTS AT SEA. AFFECTED TOO, WERE THEIR RELATED SERVICING AGENCIES.

THE TEXAS TOWER COMMUNICATIONS SYSTEM HAS ONE PECULIARITY WHICH DIFFERS FROM THE REST OF THE RADIO SYSTEMS IN USE AT SEA. THIS IS ITS TROPOSPHERIC SCATTER RADIO NETWORK, AS WITNESSED IN ITS DISH-SHAPED ANTENNAS.⁴⁵ REGARDLESS OF THE TYPE OF COMMUNICATIONS SYSTEM, ANY PROBLEM WHICH DID ARISE WAS THE RESULT OF ALLOCATION OF FREQUENCIES, THEIR APPLICATION, AND USAGE. FREQUENCIES WERE (AND STILL ARE) AT A PREMIUM; HEADQUARTERS, USAF CONSISTENTLY EXERCISED STRICT CONTROL OVER THEIR ALLOCATION⁴⁶

45. FOR FURTHER DETAIL CONCERNING THIS RADIO SYSTEM, SEE 32D ADIV HIST RPT #19, JUL - DEC 55, P 20.

46. 1. LTR & IND, EADF TO 32D ADIV, "(UNCLASSIFIED) APPLICATION FOR FREQUENCIES", 23 JAN 56 (S.D. 46/1).
 2. TX, ACFOCE 01152, 32D ADIV TO EADF, 26 JAN 56 (S.D. 46/2).
 3. LTR, 32D ADIV TO 4707TH ADM, "AMATEUR STATION ON TEXAS TOWER", 27 JAN 56 (S.D. 46/3).
 4. TX, ACFOCE 01133, 32D ADIV TO 4707TH ADM, 1 MAR 56 (S.D. 46/4).

SECRET

0431

SECRET

45

AND USAGE.

AS IN THE PAST, THE PICKET VESSELS WERE BURDENED WITH MORE THAN THEIR SHARE OF BAD LUCK WITH COMMUNICATIONS. ASIDE FROM DISRUPTING NORMAL OPERATIONAL ROUTINE, ATMOSPHERICS HARASSED OPERATIONS. THE SITUATION BECAME SEVERE ENOUGH TO PROMPT EADF TO SEND CORRESPONDENCE TO THIS HEAD-QUARTERS, OUTLINING A PROGRAM FOR BETTER COMMUNICATIONS WITH THE VESSELS.

IMMEDIATE ACTION WILL BE INITIATED TO INSURE THAT SEAWARD EXTENSION COMMUNICATIONS RECEIVE OPERATIONAL AND TECHNICAL PRIORITY OVER AIR DIVISION EMERGENCY NETS BECAUSE THE FORMER ARE PRIMARY COMMUNICATIONS WHILE THE LATTER ARE PROVIDED AS PROVIDED AS LANDLINE BACKUP.

AC&W STATIONS RESPONSIBLE FOR SEAWARD EXTENSION COMMUNICATIONS WILL RECEIVE PRIORITY CONSIDERATION FOR THE ASSIGNMENT OF EXPERIENCED RADIO OPERATORS. IMMEDIATE ACTION IS MANDATORY TO INCREASE THE SKILL LEVEL OF ASSIGNED RADIO OPERATORS BY AN INTENSIVE TRAINING PROGRAM.

AND AGAIN:

IT IS NECESSARY THAT ALL PERSONS CONCERNED WITH SEAWARD EXTENSION COMMUNICATIONS REALIZE THE OPERATIONAL IMPORTANCE OF THE SEAWARD EXTENSION ELEMENTS AND THE NEED FOR EFFECTIVE COMMUNICATIONS

47. LTR & IND, EADF TO 32D ADIV, "SEAWARD EXTENSION COMMUNICATIONS", 13 FEB 56 (S.D. 47).

SECRET

0432

SECRET

46

BETWEEN THE SEAWARD EXTENSION ELEMENTS AND ASSOCIATED SHORE STATIONS. THIS COMMUNICATIONS PROBLEM IS RECEIVING COMMAND ATTENTION AT THIS AND HIGHER HEADQUARTERS LEVEL AND WILL CONTINUE TO BE EMPHASIZED UNTIL THE DESIRED COMMUNICATIONS PROFICIENCY IS OBTAINED AND ASSURANCE EXISTS THAT THIS PROFICIENCY WILL BE MAINTAINED.

COUPLED WITH THE ABOVE PROBLEM WAS THAT OF OPERATIONS PROCEDURE. THIS HEADQUARTERS WAS DESIROUS OF EFFECTING NEW MEASURES THAT WOULD INSURE BETTER COORDINATION BETWEEN SHORE BASED RADAR AND THE PICKET VESSELS. SHORTLY THEREAFTER, A CONFERENCE WAS HELD IN WHICH REPRESENTATIVES FROM THE VARIOUS HEADQUARTERS ATTEMPTED TO RESOLVE MANY OF THE PICKET VESSEL PROBLEMS.

ORDER OUT OF CHAOS WAS ALSO ATTAINED WITH THE COMMUNICATIONS PROBLEM. AFTER EXTENSIVE COMPLAINTS AND SUGGESTIONS, SOME DEGREE OF CONSISTENCY WAS ACHIEVED.

48. PICKET VESSELS ARE A RELATIVELY NEW COMPONENT OF THE AIR DEFENSE SYSTEM. ONLY AFTER EXTENSIVE TESTING OF THE CAPABILITIES OF THE VESSELS WITH THEIR NEW RADAR EQUIPMENT AND RADIO, CAN OPERATING PROCEDURES BE FINALIZED, AND THEN INCORPORATED INTO THE WORKING AIR DEFENSE SYSTEM.

49. LTR, 32d ADIV TO EADF, "COMMENTS ON JEADFM 55-T", 1 MAR 56 (S.D. 49).

50. TTX, ACFDCE 03075, 32d ADIV TO COMLORTRON 16, 13 MAR 56 (S.D. 50).

51. (ON NEXT PAGE.)

SECRET

0433

SECRET

47

A COMMON HIGH FREQUENCY CHANNEL WAS ALLOCATED TO THE
SEAWARD EXTENSION UNITS AND THE SHORE BASED STATIONS.
COMMUNICATIONS HAD AT LAST RECEIVED CONSIDERATION WHICH
ALLOWED THE PICKET VESSELS MORE RELIABILITY. AS A

-
51. 1. LTR, INDS & INCLS, 656TH AC&M Sq TO 4707TH ADM, "PICKET VESSEL MONITOR INTERFERENCE", 20 DEC 55 (S.D. 51/1).
2. TX, ACFOCE 01127, 32D ADIV TO EADF, 20 JAN 56 (S.D. 51/2).
3. LTR, 32D ADIV TO 4707TH & 4711TH ADM's, "CALL WORD ASSIGNMENT FOR PICKET SHIPS", 3 FEB 56 (S.D. 51/3).
4. LTR, 32D ADIV TO 4707TH ADM & 654TH AC&M Sq, "UNAUTHORIZED TRANSMISSIONS", 21 FEB 56 (S.D. 51/4).
5. LTR & INDS, 654TH AC&M Sq TO 32D ADIV, "U.S. NAVY PROPOSAL TO COMBINE OFF-BASE TRANSMITTING FACILITIES", 13 MAR 56 (S.D. 51/5).
6. LTR, 32D ADIV TO EADF, "REQUEST FOR CLARIFICATION OF CALL SIGNS", 14 MAR 56 (S.D. 51/6).
7. LTR, EADF TO 32D ADIV, "PROGRAMMING OF HF RADIO FACILITIES TO BRUNSWICK NAS (P-13)", 15 MAR 56 (S.D. 51/7).
8. TX, ACFOCE 03142, 32D ADIV TO 14TH & 23D FGs, 19 MAR 56 (S.D. 51/8).
9. TX, ACFOCE 04016, 32D ADIV TO 764TH AC&M Sq, 4 APR 56 (S.D. 51/9).
10. LTR, 32D ADIV TO EADF, "RECOMMENDATIONS FOR CHANGES TO CONADM 55-1", 29 MAY 56 (S.D. 51/10).
11. LTR, LCDR B SEVILLA TO CMDR, YAGR DIVISION TWENTY-ONE, "INTERCEPT AIRCRAFT; SCHEDULING OF", 26 JUN 56 (S.D. 51/11).
52. 1. LTR & IND, EADF TO 32D ADIV, "(UNCLASSIFIED ESTABLISHMENT OF A COMMON HIGH FREQUENCY CHANNEL FOR COMMUNICATIONS WITH SEAWARD ELEMENTS)", 3 APR 56 (S.D. 52/1).
2. TX, ACFOCE 04134, 32D ADIV TO 23D FG, 24 APR 56 (S.D. 52/2).

SECRET

0434

SECRET

43

CONSEQUENCE, OPERATIONS COULD LIKEWISE BE RESOLVED TO SPECIFICS; FOR OPERATIONAL PROCEDURES ARE ALWAYS AT THE MERCY OF COMMUNICATIONS.

ABOVE STATIONS ON THE SEA WERE THE AIRBORNE COUNTERPARTS. THE 551ST AEW&C WING, STATIONED AT OTIS AIR FORCE BASE, WAS PREPARING ITSELF TO FULFILL ITS DUTIES OF LOW RADAR COVERAGE. AS ITS ABBREVIATED NAME SUGGESTS, THESE CONVERTED CONSTELLATION AIRCRAFT (RC-121D's) WERE SENT INTO THE AIR TO ACT AS EARLY WARNING COMPONENTS AND CONTROL AIRCRAFT FOR FIGHTER-INTERCEPTORS. THE FORMER HAS BEEN SHOWN TO BE OF CONSIDERABLE MERIT; THE LATTER IS DUBIOUS, INDEED.

THE REASONS WERE THREEFOLD, AND HIGHLY VALID, WHEN TAKEN IN THE LIGHT OF PRESENT DAY SUPERSONIC SPEEDS, THE RELATIVELY SHORT COMBAT RADIUS OF THE INTERCEPTORS IN USE, THE USUAL SHORTAGE OF CONTROLLERS (AFSC 1644), AND THE UNPREDICTABLE HEIGHT FINDING EQUIPMENT ON BOARD THE RC-121D's. AS GENERAL ISRAEL HAD POINTED OUT, "...THE LIMITED RADIUS OF ACTION OF THE PRESENTLY ASSIGNED INTERCEPTORS, MADE AIRBORNE CONTROL UNREALISTIC AND...AT LOW ALTITUDES, CONTROL BY AEW&C AIRCRAFT IS NOT FEASIBLE".

53. Ltr. GEN ISRAEL TO CADD, "AEW&C AIRCRAFT", 7 MAR 56 (S.D. 53).

SECRET

0435

SECRET

49

AGAIN, ONE OF THE LARGEST DEMANDS FROM THE AC&M SQUADRONS HAD BEEN MORE CONTROLLERS. THE AEM&C WINGS WERE ASSIGNED NO LESS THAN 225. EVEN IF THE INTERCEPTORS HAD THE EXTENDED RANGE CAPABILITY NEEDED TO COME UNDER CONTROL OF THE AEM&C AIRCRAFT, THE DIM PROSPECTS OF THE APS/45 HEIGHT FINDER NULLIFIED ANY CERTAINTY FOR AIRBORNE CONTROL. THIS PROBLEM HAD LONG BESET ADC PLANNERS; ALTHOUGH NOT RESOLVED BY THE END OF THE PERIOD UNDER STUDY, THE MONTH OF OCTOBER SAW THE WING ENTER THE AIR DEFENSE BUSINESS ON FULL SCALE, EACH PLANE MANNED WITH ONE CONTROLLER. THUS, THE CONTROL CAPABILITY WAS PRESENT, IF ONLY RATHER TOKEN EVIDENCE OF THIS FACT. BUT ANY DISSENSION OVER THIS FACT WAS WELL SUBORDINATED IN THEIR EVEN MORE IMPORTANT ROLE OF EARLY WARNING.

54. EVIDENCE OF THE FACT THAT THE CONCEPT OF AEM&C RECEIVED MUCH SPECULATION AND TESTING CAN BE SEEN IN THE CONCERN SHOWN FOR THEIR ULTIMATE MISSION, AS WELL AS THE STATION CHANGES.

1. 32D ADIV MINUTES OF STAFF MEETING, 4 JAN 56 (S.D. 54/1).
2. LTR & INDS, 762D AC&M Sq TO 4707TH ADP, "AEM&C POLAR GRID REPORTING", 29 FEB 56 (S.D. 54/2).
3. PXX, ACFOOT-A 01125, 32D ADIV TO GROUP "FA", 2 FEB 56 (S.D. 54/3).
(CONT'D ON NEXT PAGE.)

SECRET

0436

SECRET

50

SKYWATCH

AS MEN MANNED RADARS, SHIPS, AND AIRCRAFT, A SMALL BUT HIGHLY DETERMINED GROUP OF CIVILIANS WERE PLAYING THEIR ROLES IN THE AIR DEFENSE SYSTEM. SUPPLANTING MANY OF THE VOIDS IN THE LOW ALTITUDE COVERAGE, HUMAN EYES AND EARS WERE PLAYING AN EXTENSIVE ROLE IN AUGMENTING THE CAPABILITIES OF THE DETECTION AND IDENTIFICATION NETWORK.

AT THE CLOSE OF THE PERIOD, SOME 10,000 ACTIVE VOLUNTEERS WERE PARTICIPATING IN THE PROGRAM WITHIN THE 32D AIR DIVISION SECTOR. WITH THE EXCEPTION OF THE FEW HUNDRED THAT WERE ASSIGNED TO EITHER THE BANGOR OR SYRACUSE FILTER CENTERS, THE BALANCE OF VOLUNTEERS WERE IN THE FIELD, MANNING OBSERVATION POSTS.

54. (CONT'D FROM PRECEDING PAGE).

4. TX, ACFOOT-A 05039, 32D ADIV TO 654TH AC&W SQ, 3 MAY 56 (S.D. 54/4).
 5. TX, ACFOFR 05067, 32D ADIV TO 23D FG, 11 MAY 56 (S.D. 54/5).
 6. TX, ACFOFR 05143, 32D ADIV TO 23D FG, 24 MAY 56 (S.D. 54/6).
 7. TX, ACFOFR 06082, 32D ADIV TO APPLICABLE UNITS, 12 JUN 56 (S.D. 54/7).
 8. TX, ACFOFR 06134, 32D ADIV TO APPLICABLE UNITS, 21 JUN 56 (S.D. 54/8).
55. MEMO, COL MAYALL (ADC DIR CIVIL AIR DEF) TO J M LAMBIE, JR, 30 JUL 56.

SECRET

0437

SECRET

51

IT IS COMMENDABLE INDEED, THAT PEOPLE WILL SACRIFICE THEIR TIME AND CONVENIENCE TO ACCEPT SUCH DUTY. BY THE END OF JUNE, THERE WERE NO LESS THAN 351,000 ACTIVE VOLUNTEERS WITHIN THE UNITED STATES.⁵⁶

ANY DOUBT AS TO THE VALIDITY OF THE GROUND OBSERVER CORPS COULD BE READILY EXPUNGED WITH TWO EVENTS THAT OCCURRED DURING THE PERIOD UNDER STUDY. ONE WAS THE ESTABLISHMENT OF GOC "BUFFER ZONES" DIRECTLY BEHIND THE COASTAL AIR DEFENSE IDENTIFICATION ZONES (ADIZs) ALONG THE SEACOASTS OF THE UNITED STATES.⁵⁷ THIS WAS ACCOMPLISHED IN THE FACE OF ONE GLARING FACT; THE OFF-SHORE RADAR SYSTEM WAS NOT YET WORKING AT FULL CAPACITY.⁵⁸ WHAT WAS SOUGHT

56. IBID.

WHAT PERHAPS IS MORE INTERESTING IS WHY AND WHAT TYPE OF PERSON VOLUNTEERS FOR SUCH DUTY. THE TANGIBLE REWARDS ARE FEW; THE FRUSTRATIONS ARE MANY. COLD STATISTICS CANNOT TELL TOO MUCH ABOUT PERSONALITIES, AND A SPECIFIC AGE GROUP IS NON-EXISTANT. PEOPLE FROM ALL WALKS OF LIFE PARTICIPATE, YOUNG AND OLD ALIKE. OBVIOUSLY, THE ELEMENT OF SATISFACTION IS A BIG FACTOR. THE ENTIRE SUBJECT WOULD MAKE A PARTICULARLY INTERESTING MONOGRAPH, IN TERMS OF AIR DEFENSE, BUT PARTICULARLY IN A SOCIOLOGICAL/ENVIRONMENTAL POINT OF VIEW.

57. LTR & INDS, ADC TO EADF, "(UNCL) ESTABLISHMENT OF GOC BUFFER ZONES", 14 MAR 56 (S.D. 57).

58. (ON NEXT PAGE.)

SECRET

0438

SECRET

52

AND ACHIEVED WAS TO HAVE AT LEAST TWO OBSERVATION POSTS DETECT THE AIRCRAFT, EITHER AURALLY OR VISUALLY. BY ACCOMPLISHING THIS, THE AZIMUTH OF THE AIRCRAFT MAY BE ESTABLISHED AS IT PENETRATES THE AIRSPACE OVER THE MAINLAND.

THE OBSERVATION POSTS REPORTED THE FLIGHT DATA TO THEIR RESPECTIVE FILTER CENTERS; THE INFORMATION WAS THEN FORWARDED TO THE PROPER DIRECTION CENTERS, WHERE FLIGHT PLAN CORRELATION AND OTHER MEANS OF POSITIVE IDENTIFICATION ⁵⁹ COULD BE UTILIZED. IN THE FINAL ANALYSIS, IT IS UNQUESTIONABLE THAT THERE ARE SHORTCOMINGS OF THE PRESENT SYSTEM. ALTHOUGH BY NO MEANS A COMPLETE REMEDY OF THE SITUATION, THE GOC WAS AT LEAST PARTIALLY FULFILLING THIS IMPORTANT GAP IN OUR LOW ALTITUDE AND DETECTION/IDENTIFICATION COVERAGE.

-
58. AS HAD BEEN POINTED OUT, AEW&C AIRCRAFT DID NOT START OPERATION UNTIL OCTOBER, 1956. ALSO, ONLY ONE OF THE FIVE TEXAS TOWERS WAS IN OPERATION, AND, FOR THAT MATTER, ON SITE. EVEN IF ALL HAD BEEN ON SITE AND IN OPERATION, THERE WAS STILL THE TEDIOUS PROCESS OF EXPERIMENTING AND TESTING OPERATIONAL PROCEDURES UNTIL SUCH TIME AS ALL THE COMPONENTS OF THE SEAWARD WERE COMPLETELY INTEGRATED.
59. LTR & INDS, ADC TO EADF, "(UNCL) ESTABLISHMENT OF GOC BUFFER ZONES", 14 MAR 56 (S.D. 57).

SECRET

0439

SECRET

53

THE OTHER EVENT WHICH HAD A GREAT SIGNIFICANCE TO THE AIR DEFENSE SYSTEM IN GENERAL, AND THE GOC IN PARTICULAR, WAS PREPARATION FOR THEIR FOURTH ANNIVERSARY. IN FOUR SHORT YEARS, AND AN INVESTMENT OF MILLIONS OF DOLLARS, BASED LARGELY ON HUMAN SPIRIT -- PATRIOTISM -- THE GOC HAS GAINED THE RESPECT OF AIR DEFENSE. IT CAN NEVER PROVE ITSELF UNTIL THE DREADED DAY OF HOSTILITIES SHOULD ARRIVE. BUT INDICATIONS CAN BE GLEANED FROM DAY-TO-DAY AIR SURVEILLANCE TELLING DATA AND PERIODIC EXERCISES.

THE DIVISION SPONSORED EXERCISES WERE HOP TOAD MISSIONS. THOSE MISSIONS FOR WHICH EADF WAS RESPONSIBLE WERE SKYTRAIN EXERCISES. ALL WERE IDENTICAL IN THAT THEY TESTED LOW ALTITUDE DETECTION CAPABILITY. THE DIVISION USES JET AIRCRAFT FOR ITS MISSIONS, WHEREAS EADF UTILIZES EITHER B-29 OR B-25 TYPE AIRCRAFT.

60. TPX, COMIS 50328, CINL CONAD TO ALL APPLICABLE COMMANDS, 21 FEB 56 (S.D. 60).

61/ 1. 32D ADIV OPS ORDER 2-56, 13 JAN 56 (S.D. 61/1).
2. 32D ADIV OPS ORDER 14-56, 29 MAR 56 (S.D. 61/2).
3. 32D ADIV OPS ORDER 13-56, 25 APR 56 (S.D. 61/3).

62/ 1. TPX, ACF00T-A 01136, 32D ADIV TO ALL APPLICABLE UNITS, 23 JAN 56 (S.D. 62/1).
2. TPX, ACF00T-A 01137, 32D ADIV TO ALL APPLICABLE UNITS, 23 JAN 56 (S.D. 62/2).
3. SEE APPENDIX "C".

SECRET

0440

SECRET

54

THE PERMANENT RADAR NETWORK

ISOLATED, AUSTERE IN APPEARANCE, AND MUTE IN ITS OPERATION, AN ENCLOSED ANTENNA REVOLVES FROM FOUR TO SIX REVOLUTIONS PER MINUTE; UNDERNEATH THIS SCREEN, AND IN ITS IMMEDIATE ENVIRONS, IS A COMPLICATED ELECTRONIC/COMMUNICATIONS SYSTEM, MANNED BY HIGHLY SKILLED TECHNICIANS. SUCH IS THE TYPICAL RADAR SITE WITHIN THIS DIVISION AND WITHIN THE ENTIRE AIR DEFENSE NETWORK. HEREIN LIES THE SUBSTANTIAL PORTION OF THE DETECTION AND IDENTIFICATION BUSINESS, AND THE BASIS OF VIRTUALLY ALL THE INTERCEPTIVE TACTICS.

THE HEARTS OF THESE P-SITES ARE THE RADARS THEMSELVES; THE AN/FPS-3 OR THE AN/CPS-6B. ASIDE FROM THEIR SIMILARITIES IN STRUCTURE AND FUNCTION, THESE RADARS HAVE ONE OTHER THING IN COMMON: MODIFICATION. THE RESULT OF THIS CAN ONLY MEAN INCREASED PERFORMANCE -- PERFORMANCE CALCULATED TO MAINTAIN A BETTER THAN EVEN CHANCE OF COPING WITH TODAY'S HIGH SPEED STRATEGIC BOMBERS.

THE AN/CPS-6B HAD RECEIVED ITS MODIFICATION PRIOR TO THE PERIOD UNDER STUDY. THIS HAD OCCURRED DURING EARLY 1955. THE MODIFICATION ITSELF WAS KNOWN AS THE

SECRET

0441

SECRET

55

63
 OA-347 MODIFICATION KIT. THE AN/FPS-3 CHANGE WAS CON--
 siderably more dynamic. PROGRAMMING FOR THIS MODIFICA--
 tion DATES BACK INTO 1955, AND IT AFFECTED TWO AC&M
 SQUADRONS IN THIS DIVISION. THESE WERE THE 655TH AND
 765TH, AT WATERTOWN AND CHARLESTON, RESPECTIVELY. THE
 PERIOD UNDER STUDY HAD WITNESSED SOME SLIPPAGE FROM THE
 ANTICIPATED OPERATIONAL DATES FOR THESE MODIFIED RADARS. 65

63. "KIT" IS A GROSS UNDERSTATEMENT. FOR FURTHER DE--
 TAIL ON THIS MODIFICATION, REFER TO THE FOLLOWING:

1. 32D ADIV HIST RPT #18, JAN - JUN 55, PP 26-27.
2. HIST OF JEADF/EADF, JAN - JUN 55, P 27.
3. HIST OF JEADF/EADF, JUL - DEC 54, PP 1-7.
4. HIST OF CONAD/ADC, JUL - DEC 54, PP 4-6.

- 64/
1. LTR & IND, 32D ADIV TO 4707TH ADM, "(UNCLASSI--
 FIED) SUBMISSION OF OPERATIONAL PLANS", 27 JUL 55
 (S.D. 64/1).
 2. LTR & IND, 32D ADIV TO 4711TH ADM, "(UNCLASSI--
 FIED SUBMISSION OF OPERATIONAL PLANS", 27 JUL 55
 (S.D. 64/2).

65. IMX, ACFDCE 06154, 32D ADIV TO 655TH & 765TH AC&M
 SQS, 25 JUN 56 (S.D. 65).

THE END RESULTS OF THE MODIFICATION WOULD BE THE
 FOLLOWING: INCREASED POWER, INCREASED PULSE RECUR--
 RENCE FREQUENCY FOR THE MOVING TARGET INDICATOR,
 DUAL CHANNEL OPERATION SO AS TO BE INTEGRATED WITH
 SAGE, AND THE REMOTE CAPABILITY OF ITS TRANSMITTERS
 AND RECEIVERS. THE FPS-3 WOULD THEN BE KNOWN AS
 THE AN/GPA-27. CONCURRENT WITH THE PLANNING FOR THIS

SECRET

0442

SECRET

56

THERE WERE OTHER MODIFICATIONS IN THE FIELD WHICH WERE TO IMMEASURABLY INCREASE THE OPERATIONAL CAPACITY OF THE RADAR SITES. THE INSTALLATION OF THE AN/GTA-6A COMPONENTS WOULD CRYSTALLIZE A MORE FLEXIBLE LOCAL COMMUNICATIONS SYSTEM. OCCURRING SIMULTANEOUSLY WITH THIS WAS THE MODIFICATION OF ADDC OPERATIONS ROOMS.

65. (CONT'D FROM PRECEDING PAGE).

MODIFICATION WAS SIMILAR PLANNING FOR SAGE COMMUNICATIONS.

1. LTR, 32D ADIV TO EADF, "TELEPHONE CIRCUIT REQUIREMENTS", 29 JUL 55 (S.D. 65/1).
 2. LTR & INDS, 654TH AC&M SQ TO 4707TH ADM, "LAND-LINE CIRCUIT NOTIFICATION" 6 JAN 56 (S.D. 65/2).
 3. LTR & IND, EADF TO 32D ADIV, "ADMINISTRATIVE CIRCUIT REQUIREMENTS AT AC&M STATION", 16 FEB 56 (S.D. 65/3).
 4. LTR & INCL, 32D ADIV TO 14TH AND 23D FGS, "SAGE RADIO CIRCUITS", 28 MAR 56 (S.D. 65/4).
 5. M'X, ACFOCE 01028, 32D ADIV TO 4707TH AND 4711TH ADIVS, 6 JAN 56 (S.D. 65/5).
 6. M'X, ACFOCE 05100, 32D ADIV TO EADF, 15 MAY 56 (S.D. 65/6).
 7. M'X, ACFOCE 05162, 32D ADIV TO APPLICABLE UNITS, 23 MAY 56 (S.D. 65/7).
66. LTR, INCL & IND, EADF TO 32D ADIV, "(CONF) EMERGENCY ACTION TO EXPAND CAPACITY OF AN/GTA-6A AT ADD RADAR SITES", 27 DEC 55 (S.D. 66).
67. 1. LTR, 32D ADIV TO 4707TH ADM, "STANDARD DIRECTION CENTER FLOOR PLANS", 11 JAN 56 (S.D. 67/1).
2. LTR & INDS, ADC TO EADF, "STANDARDIZED DIRECTION CENTERS (MANUAL SYSTEM)", 3 MAY 56 (S.D. 67/2).
 3. LTR, ATTCHMT, & IND, EADF TO 32D ADIV, "STANDARD DIRECTION CENTER FLOOR PLAN", 7 JUN 56 (S.D. 67/3).

SECRET

0443

SECRET

57

DURING THE PERIOD, TWO SQUADRONS RECEIVED THE MODIFICATION. THESE WERE THE 654TH AT BRUNSWICK AND THE 764TH AT ST. ALBANS. TYPICAL OF THIS MODIFICATION, THE 654TH WAS SHUT DOWN FOR A TWO WEEK PERIOD, MAINTAINING ONLY AN EARLY WARNING STATUS. IT WAS STRIPPED OF ITS IDENTIFICATION RESPONSIBILITY DURING THAT PERIOD. HOWEVER, IT DID MAINTAIN SCRAMBLE LINES WITH THE 49TH FIGHTER-INTERCEPTOR SQUADRON AT HANSCOM FIELD, AND CROSS-TELL WITH THE 765TH AT CHARLESTON AND 762D AT NORTH TRURO. THE LANDLINE SYSTEM TO THE DIVISION COMMAND POST WAS ALSO MAINTAINED, ALONG WITH ITS HF BACKUP. THE OTHER SQUADRONS TO RECEIVE THE MODIFICATION WERE SCHEDULED FOR THE SECOND HALF OF 1956.

CONCURRENT WITH THE PLANNING AND EARLY PHASE OF THIS CONVERSION, ANOTHER MODIFICATION WAS GATHERING MOMENTUM WHICH WAS TO HAVE AN EVEN GREATER IMPACT UPON THE RADAR

-
- 63/ 1. TMX, ACFOOT-A 06001, 32D ADIV TO 26TH ADIV, 31 MAY 56 (S.D. 63/1).
 2. TMX, ACFOOT-A 05177, 32D ADIV TO 654TH AC&M SQ, 1 JUN 56 (S.D. 63/2).
 3. TMX, ACFOOT-A 06040, 32D ADIV TO APPLICABLE UNITS, 6 JUN 56 (S.D. 63/3).
 4. TMX, ACFOOT-A 06047, 32D ADIV TO EADF, 7 JUN 56 (S.D. 63/4).
64. TMX, ACFOLE 06165, 32D ADIV TO APPLICABLE UNITS, 26 JUN 56 (S.D. 64).

SECRET

0444

SECRET

58

SYSTEM. THIS WAS THE AN/GPA-37 WHICH IN ADDITION TO ITS INDEPENDENT COMPUTER CAPABILITY INCORPORATES THE DATA LINK TRANSMITTER/RECEIVER UNIT WHICH IS EVENTUALLY DESTINED FOR ALL AC&W SQUADRONS, AN IMPORTANT COMPONENT OF THE SAGE SYSTEM.⁷⁰

THE AN/GPA-37 ENABLES THE MANUAL SYSTEM AIRCRAFT TO ALLOW A DIRECTOR TO SIMULTANEOUSLY PERFORM SIX INTERCEPTS. BEING FUNDAMENTALLY A SMALL COMPUTER, THIS IS THE CHIEF COMPONENT WHICH WILL ALLOW SOME DECENTRALIZATION SHOULD THE MAIN SAGE OPERATION BUILDINGS BE DESTROYED.⁷¹ ALTHOUGH NO INSTALLATION HAD TAKEN PLACE, DURING THIS PERIOD, THE PROCESS OF THIS NEW EQUIPMENT CAN BE MEASURED SOLELY IN

70. CONCURRENT WITH THIS WAS THE RADAR ORIENTATION BEACON PROGRAM. AS SAGE WILL BE DEPENDING UPON EXACTLY ORIENTATED RADAR ANTENNAS, BEACONS ARE PRESENTLY UNDER CONSIDERATION TO FULFILL THIS NEED. CONSIDERATION IS ALSO BEING GIVEN TO ANTENNA ORIENTATION THROUGH THE USE OF SUN SPOTS, VIA THEIR COSMIC RADIATION. INTERVIEW WITH CAPTAIN REGINALD L. STARK, OCE, THIS HEADQUARTERS, 13 DEC 56.

1. LTR & IND, EADF TO 32D ADIV "UNCL) RADAR ORIENTATION BEACON SITE SELECTION AND SURVEY", 16 APR 56 (S.D. 70/1).
2. LTR & IND, 765TH ACW SQ TO 32D ADIV, "RADAR ORIENTATION BEACON SITING REPORT", 7 JUN 56 (S.D. 70/2).
3. TRX, ADFCE 06046, 32D ADIV TO EADF, 8 JUN 56 (S.D. 70/3).

71. See # 10.

SECRET

0445

SECRET

53

THE LIGHT OF TESTS, PROGRAMMING, AND FUTURE PLANS FOR ITS
72
INSTALLATION.

HOWEVER, AT DIVISION HEADQUARTERS THE IMMEDIACY OF THE
AIR DEFENSE OF VARIOUS SUBSECTORS HAD PRIORITY OVER THE
MOUNTING PROCESSES OF PLANNING AND PROGRAMMING. THE PER-
PETUAL RECEIPT OF AIR SURVEILLANCE DATA WAS ALWAYS PRIME
IN IMPORT, AS WAS THE OPERATIONAL EFFECTIVENESS OF THE
VARIOUS AC&W¹ SQUADRONS. AS HAD BEEN TRUE IN THE PAST,
THE AC&W¹ SQUADRONS MAINTAINED OPERATIONAL QUALITY TO THE
73
BEST OF THEIR CAPABILITY. IN COMPARING THE SQUADRONS'
CAPABILITY, ANY VARIANCE RECORDED COULD BE ATTRIBUTED TO
A NUMBER OF FACTORS, MOST IMPORTANT OF WHICH WERE THE ELE-
MENTS OF THE INTERCEPT; CONTROLLERS AND SCOPES.

-
- 72/ 1. LTR & INDS, RADC TO ADC, "PRODUCTION ACCEPTANCE
TEST OF THE AN/GPA-37", 13 JUL 55 (S.D. 72/1).
2. LTR & INDS, 32D ADIV TO 4711TH ALW, "PRODUCTION
ACCEPTANCE TEST OF THE AN/GPA-37", 25 NOV 55
(S.D. 72/2).
3. LTR & INDS, EADF TO 32D ADIV, "AN/GPA-37 CABLE
REQUIREMENTS", 13 MAR 56 (S.D. 72/3).
4. LTR & INDS, EADF TO 32D ADIV, "REVISED ADC AN/
GPA-37 PROGRAM", 22 MAY 56 (S.D. 72/4).
- 73/ 1. 32D ADIV OPS SUMMARY, JAN 56 (S.D. 73/1).
2. 32D ADIV OPS SUMMARY, FEB 56 (S.D. 73/2).
3. 32D ADIV OPS SUMMARY, MAR 56 (S.D. 73/3).
4. 32D ADIV OPS SUMMARY, APR 56 (S.D. 73/4).
5. 32D ADIV OPS SUMMARY, MAY 56 (S.D. 73/5).
6. 32D ADIV OPS SUMMARY, JUN 56 (S.D. 73/6).

SECRET

0446

SECRET

60

THE SITUATION IN REGARDS TO THE NUMBERS OF CONTROLLERS ASSIGNED HAD CONSIDERABLY IMPROVED. CONTROLLERS ASSIGNED TO THE DIVISION WERE STEADILY INCREASING (WITH SOME MINOR VARIANCE), AND, AT THE TIME OF THIS WRITING, THERE WERE MORE ASSIGNED THAN AUTHORIZED. THEIR TRAINING STATUS WAS ANOTHER STORY. QUALIFIED CONTROLLERS WERE A SCARCE COMMODITY; THE MAJORITY OF THOSE ASSIGNED WERE IN AN ENTRANCE LEVEL IN TRAINING. ⁷⁴ HOWEVER, THEIR MERE PRESENCE AT THE AC&W SQUADRONS EVIDENTALLY DID MUCH TO SATISFY DEMAND, AS COMPLAINTS FOR LACK OF CONTROLLERS BECAME ALMOST NON-EXISTENT, WITH ONE EXCEPTION. THE EXCEPTION WAS THE 765TH AC&W

74. SYSTEMS TRAINING, KNOWN AS STP, SPONSORED BY THE RAND CORPORATION, WAS DOING MUCH TO AMELIORATE THE TRAINING SITUATION. TO FACILITATE THE NEW PROGRAM, THE AN/GPA-T2 TRAINING UNIT WAS BEING INSTALLED AT THE VARIOUS SITES. ENGINEERED SO ONE TRAINER MAY BE USED IN CONJUNCTION WITH OTHERS AT DIFFERENT SITES, AN ENTIRE SECTOR MIGHT THEN FOLLOW ONE MISSION, AND TRACK OR PASS "UNKNOWN" AIRCRAFT ONE SITE TO ANOTHER.
1. LTR, INCL. & IND, EADF TO 32D ADIV, "UTILIZATION OF RCA TECHNICAL REPRESENTATIVES DURING INSTALLATION OF AN/GPA-T2 TRAINERS", 17 JAN 56 (S.D. 74/1).
 2. 32D ADIV STAFF MEETING MINUTES, 3 FEB 56 (S.D. 74/2).
 3. TX, ACFOOT-A 03033, 32D ADIV TO APPLICABLE UNITS, 6 MAR 56 (S.D. 74/3).
 4. LTR & INDS, ADC TO EADF, "STANDARD ANTENNA RFM RATE FOR STP EXERCISES", 23 MAR 56 (S.D. 74/4).
 5. LTR & IND, EADF TO 32D ADIV, "GRADUATES OF SYNTHETIC MULTIPLE INTERCEPT CONTROLLERS INDOCTRINATION COURSE AT RAND CORPORATION", 1 MAY 56 (S.D. 74/5).
 6. TX, ACFOOT-A 05007, 32D ADIV TO APPLICABLE UNITS, 1 MAY 56 (S.D. 74/6).

SECRET

0447

SECRET

61

SQUADRON AT CHARLESTON, WHICH LOST FIVE CONTROLLERS. THESE
 MEN WERE SUBSEQUENTLY REPLACED.⁷⁵

ENCOURAGING TOO, WAS THE SCOPE SITUATION. ESSENTIALLY, THIS SITUATION WAS VERY SIMILAR TO WHAT THE DIVISION HAD BEEN EXPERIENCING WITH CONTROLLERS FOR ALMOST TWO YEARS. HOWEVER, SUPPLY WAS OVERTAKING DEMAND, AND THE FUTURE LOOKED MUCH BRIGHTER BY THE END OF THE PERIOD UNDER STUDY. FIRSTLY, THE AN/GPA-37 EQUIPMENT GOING TO THE SITES HAD TWO AN/GPA-23 SCOPES INCORPORATED IN THIS MODIFICATION. ALSO, PROGRAMMED COMMUNICATIONS DOCUMENTS ALL ASSIGNED FROM ONE TO FOUR MORE
 SCOPES FOR EACH SITE.⁷⁶

AS IN THE CONTROLLER SITUATION, THERE WAS ONE EXCEPTION TO THE RULE. THE 654TH AC&M SQUADRON, PERFORMING ITS ADDITIONAL DUTY OF IDENTIFICATION OF OVERSEAS FLIGHTS, FELT
 THAT AN INCREASE OF TWO IN ITS AUTHORIZATION WAS ESSENTIAL.⁷⁷

-
- 75/ 1. 32D ADIV STAFF COMMENTARY, JAN 56 (S.D. 75/1).
 2. 32D ADIV STAFF COMMENTARY, MAR 56 (S.D. 75/2).
 3. 32D ADIV STAFF COMMENTARY, APR 56 (S.D. 75/3).
 4. 32D ADIV STAFF COMMENTARY, MAY 56 (S.D. 75/4).
 5. 32D ADIV STAFF COMMENTARY, JUN 56 (S.D. 75/5).

THERE WAS NO STAFF COMMENTARY DURING THE MONTH OF FEBRUARY.

76. INTERVIEW WITH CAPTAIN REGINALD L. STARK, O/E, THIS HEADQUARTERS, 13 DEC 56.
 77. LTR & INDS, 654TH AC&M SQ TO 32D ADIV, "REQUIREMENT FOR PLAN POSITION INDICATORS", 7 MAR 56 (S.D. 77).

SECRET

0448

SECRET

62

THE REQUEST WAS FULFILLED BY TAKING ONE SCOPE FROM THE 655TH AT WATERTOWN, AND REASSIGNING IT TO THE 654TH AT BRUNSWICK NAVAL AIR STATION.⁷³

OF CONTINUAL CONCERN TO ALL LEVELS OF COMMAND WAS THE ACTUAL CAPABILITY OF THE RADARS THEMSELVES. UNTIL RADARS WERE PLACED IN THE FIELD WHICH WOULD OFFER EXTENDED RANGE CAPABILITY AND ACCURACY, THE AIR DEFENSE NETWORK WOULD BE ASSUMING AN UNDESIRABLE POSITION IN TIME OF ATTACK. THE HIGH-SPEED THREAT IS PREDOMINANT, ESPECIALLY AT HIGH ALTITUDE, AND, AS WAS SEEN ABOVE, MODIFICATION HAS PROVED THE ONLY RECOURSE UNTIL THE INTRODUCTION OF MORE POWERFUL RADARS. CONSEQUENTLY, MUCH TIME AND EFFORT WAS EXPENDED IN THE DIRECTION OF REFINING PRESENT OPERATIONS PROCEDURES.⁷⁴ THE OTHER METHOD WAS TO EXPERIMENT WITH ANTENNA

73. IBID. 2D IND.

A SHORT TIME AFTER THIS, A DIRECTIVE WAS SENT OUT WHEREBY ALL SCOPES WERE TO BE INVENTORIED AT ALL AC&W SITES, PAYING PARTICULAR ATTENTION TO THEIR OPERATIONAL STATUS. (THERE APPEARS TO BE NO CONNECTION BETWEEN THE CHAIN OF EVENTS AT THE 32D AND THIS NEW POLICY).

1. LTR, INCL, AND IND, EADF TO 32D ADIV, "INVENTORY OF RADAR INDICATORS AT AC&W SITES", 11 APR 56 (S.D. 73/1).

74. (ON NEXT PAGE.)

SECRET

0449

SECRET

63

80

SETTINGS.

WHILE SUCH PROCEDURE WAS IN PROGRESS, THE PERENNIAL
 PROBLEM OF FIELD MAINTENANCE WAS ALSO AT HAND. NORMALLY,

81

- 79/ 1. LTR & IND, EADF TO 32D ADIV, "HEIGHT FINDING PROCEDURES", 13 MAR 56 (s.d. 79/1).
 2. LTR & IND, GEN McCAULEY TO GEN ISRAEL, "AC&M OPERATIONAL STATUS REPORT (RCS: AF-Z20)", 3 JAN 56 (s.d. 79/2).
 3. LTR, 32D ADIV TO 4707TH AND 4711TH ADWS, "AC&M OPERATIONAL STATUS REPORT (RCS: AF-Z20)", 6 JAN 56 (s.d. 79/3).

- 80/ 1. LTR & IND, 764TH AC&M Sq TO 32D ADIV, "CALIBRATION AND COVERAGE OF AN/APS-6B", 13 MAR 56 (s.d. 80/1).
 2. LTR & IND, 655TH AC&M Sq TO 32D ADIV, "SPECIAL INVESTIGATION OF RADAR COVERAGE INDICATOR", 23 MAY 56 (s.d. 80/2).

THE RADARS WERE ALSO PLAGUED WITH TROUBLES THE BASIS OF WHICH WERE REMOTE FROM THE SITE. INTERFERENCE FROM OTHER ELECTRONIC EQUIPMENT, SUCH AS RADIO STATIONS, GCA SYSTEMS, ETC., WAS PROVING ITSELF TO BE A CONSTANT ANNOYANCE TO THE OPERATORS, AND DETRIMENTAL TO THE OPERATIONAL LIMITATIONS OF THE RADARS.

3. LTR & INDS, EADF TO MAAMA, "RADAR INTERFERENCE SURVEY FOR BRUNSWICK NAS, MAINE", 22 DEC 55 (s.d. 80/3).
 4. LTR, 32D ADIV TO EADF, "RADAR INTERFERENCE SURVEY FOR NAVAL AIR STATION", 26 JAN 56 (s.d. 80/4).
 5. LTR, 32D ADIV TO EADF, "UNKNOWN MUTUAL INTERFERENCE AT 762D AC&M SQUADRON", 7 MAR 56 (s.d. 80/5).

- 81/ 1. LTR & INCL, 32D ADIV TO 4707TH AND 4711TH ADWS, "TRANSMITTAL OF EADF GROUND RADAR INSPECTION AND MAINTENANCE SCHEDULES", 12 JAN 56 (s.d. 81/1).
 2. LTR & INCL, 32D ADIV TO 14TH AND 23D FGS, "TRANSMITTAL OF EADF GROUND RADAR INSPECTION & MAINTENANCE SCHEDULES", 27 MAR 56 (s.d. 81/2).
 (CONT'D ON NEXT PAGE.)

SECRET

0450

SECRET

64

SUCH PROCEDURE IS EXPECTED, AND FULLY WARRANTED. BUT THE QUESTION AROSE AS TO WHY A MORE COORDINATED SCHEDULING OF FIELD MAINTENANCE COULD NOT BE REALIZED, TAKEN IN THE LIGHT OF TOO MANY SITE SHUT-DOWNS. (UNFORTUNATELY, SECTOR SURVEILLANCE IS BASED UPON ALL SITES WORKING AT FULL OPERATIONAL CAPACITY. THERE IS OVERLAP, OF COURSE, BUT ANY SHUT-DOWN OF A SITE CAN ONLY MEAN A WEAK SPOT IN THE DEFENSE. (VAN-MOUNTED RADARS CAN BE USED TO FILL THESE HOLES, BUT THEY ARE AT A PREMIUM, AND NOT ALWAYS AVAILABLE WHEN THE SITES DO CEASE OPERATION.) THE MATTER WAS OF GROWING

31/ (CONT'D FROM PRECEDING PAGE).

3. MDM HIST RPT, JAN 56 (S.D. 31/3).
4. MDM HIST RPT, FEB 56 (S.D. 31/4).
5. MDM HIST RPT, MAR 56 (S.D. 31/5).
6. MDM HIST RPT, APR 56 (S.D. 31/6).
7. MDM HIST RPT, MAY 56 (S.D. 31/7).
8. MDM HIST RPT, JUN 56 (S.D. 31/8).

ALTHOUGH MAINTENANCE WAS ACCOMPLISHED, THERE WERE UGLY RAMIFICATIONS. TO EXPEDITE FIELD MAINTENANCE, CONTRACT AUGMENTATION TECHNICIANS WERE BROUGHT TO THE AC&W SITES. THESE MEN, AND THE TECHNICAL REPRESENTATIVES OF VARIOUS EQUIPMENT COMPANIES PERFORMED MUCH OF THE WORK AND INITIATED TRAINING SCHEDULES SO AS TO PERFORM ON-SITE MAINTENANCE. BUT THEIR RETENTION IN THE PROGRAM WAS ALWAYS AT STAKE, AND THERE WAS NEVER ANY ASSURANCE THAT THEIR PRESENCE WAS GUARANTEED FOR MORE THAN SIX MONTHS.

9. LTR & IND, 654TH AC&W SQ TO 32D ADIV, "CONTRACT AUGMENTATION RADAR TECHNICIANS", 1 JUN 56 (S.D. 31/9).
10. LTR, COL O'NEILL TO EADF, "RETENTION OF COLLINS TECHNICAL REPRESENTATIVE", 11 JUN 56 (S.D. 31/10).

SECRET

0451

SECRET

65

CONCERN TO GENERAL ISRAEL, AND HE FERVENTLY REQUESTED
 THAT BETTER COORDINATION BE REALIZED IN THE FUTURE.

SUPPLEMENTAL AND GAP FILLER RADARS

TO AUGMENT THE SEARCH RADAR SYSTEM, AND COMPENSATE FOR OUR VULNERABILITY OF LOW ALTITUDE ATTACK, THE 32D AIR DIVISION HAD MADE ENCOURAGING PROGRESS WITH ITS M-SITES AND GAP FILLERS. ALTHOUGH THE SECTOR CHANGE SUBSTANTIALLY REDUCED THE NUMBER OF RADARS UNDER DIVISION CONTROL, THREE M-SITES STILL REMAINED, ALONG WITH SEVEN GAP FILLERS.

82. LTR, GEN ISRAEL TO EADF, "FACTOR LIMITING RADAR EFFECTIVENESS AT AC&W SITES", 9 MAY 56 (S.D. 82).

83. THE M-SITES UNDER DIVISION JURISDICTION ARE THE FOLLOWING:

<u>SITE</u>	<u>LOCATION</u>	<u>DESIGNATION</u>
M-102#	BARRINGTON, N.S.	672D AC&W SQUADRON
M-103	NORTH CONCORD, VT.	911TH AC&W SQUADRON
M-110	BUCKS HARBOR, ME.	907TH AC&W SQUADRON

#ALTHOUGH M-102 IS IN NOVA SCOTIA, 32D AIR DIVISION PERSONNEL WILL MAN THIS SITE. THIS IS UNDER THE JOINT AGREEMENT WHEREBY USAF PERSONNEL MAN CERTAIN AC&W SITES WITHIN CANADIAN PROVINCES. FOR FURTHER DETAIL CONCERNING USAF/RCAF JOINT PARTICIPATION IN AIR DEFENSE, THE FOLLOWING WILL BE OF HELP.

1. LTR & INDS, DET #1, CANADIAN ADC TO 32D ADIV, "ACTIVATION OF THE 672D AC&W SQUADRON", 27 MAR 56 (S.D. 83/1).
2. LTR, 32D ADIV TO EADF, "REPORT OF EXCHANGE OF CLASSIFIED MILITARY INFORMATION WITH AIR DEFENSE COMMAND, RCAF (RCS: ADC-J16)", 13 FEB 56 (S.D. 83/2).
(CONT'D ON NEXT PAGE.)

SECRET

0452

SECRET

66

IT SHOULD BE POINTED OUT THAT NONE OF THESE WERE OPERATIONAL DURING THE PERIOD UNDER STUDY; RATHER, CONSTRUCTION AND INSTALLATION WERE THE BY-WORDS FOR THE M-SITES, AND SITING AND APPROVAL HELD FOR THE GAP FILLER PROGRAM. ³⁴ THE GAP FILLER PROGRAM WAS CONSTANTLY REVIEWED AND ALTERED. ³⁵ THE MAJOR CONTRIBUTING FACTOR IN VIRTUALLY

33/ (CONT'D FROM PRECEDING PAGE).

3. LTR, 32D ADIV TO EADF, "REPORT OF EXCHANGE OF CLASSIFIED MILITARY INFORMATION WITH AIR DEFENSE COMMAND, RCAF (RCS: ADC-U16)", 12 MAR 56 (s.d. 83/3).
4. LTR, 32D ADIV TO EADF, "REPORT OF EXCHANGE OF CLASSIFIED MILITARY INFORMATION WITH AIR DEFENSE COMMAND, RCAF (RCS: ADC-U16)", 12 APR 56 (s.d. 83/4).
5. LTR, 32D ADIV TO EADF, "REPORT OF EXCHANGE OF CLASSIFIED MILITARY INFORMATION WITH AIR DEFENSE COMMAND, RCAF (RCS: ADC-U16)", 11 MAY 56 (s.d. 83/5).
6. LTR, 32D ADIV TO EADF, "REPORT OF EXCHANGE OF CLASSIFIED MILITARY INFORMATION WITH AIR DEFENSE COMMAND, RCAF (RCS: ADC-U16)", 12 JUN 56 (s.d. 83/6).
7. LTR, 32D ADIV TO EADF, "REPORT OF EXCHANGE OF CLASSIFIED MILITARY INFORMATION WITH AIR DEFENSE COMMAND, RCAF (RCS: ADC-U16)", 12 JUL 56 (s.d. 83/7).
8. LTR, GEN ISRAEL TO EADF, "VISIT BY FOREIGN NATIONALS", 6 JUN 56 (s.d. 83/8).

- 34/
1. MXX, ACFOLE 01123, 32D ADIV TO 907TH AC&W Sq, 3 FEB 56 (s.d. 84/1).
 2. LTR & IND, 907TH AC&W Sq TO 32D ADIV, "CIE SCHEME CE-ABC-110-AMMA-62-EW", 5 MAR 56 (s.d. 84/2).
 3. MXX, ACFOOT-A 05043, TO APPLICABLE UNITS, 7 MAY 56 (s.d. 84/3).

35/ (ON NEXT PAGE.)

SECRET

0453

SECRET

67

ALL THE INSTANCES WAS THE PROHIBITIVE COST OF SOME OF THESE SITES. THUS, AIR DEFENSE CAPABILITY WAS SUFFERING TO SOME EXTENT, BEING COMPROMISED BY LACK OF EXTENSIVE LOW ALTITUDE DETECTION RADARS.

HOWEVER, AS WAS MENTIONED ABOVE, SEVEN OF THE SITED GAP FILLERS WERE APPROVED FOR THE DIVISION. NATURALLY,

-
- 35/ 1. LTR, 32D ADIV TO 4707TH AND 4711TH ADWs, "(UNCL) REVISION TO THE SITING DIRECTIVES FOR THE LOW ALTITUDE, GAP FILLER RADAR PROGRAM", 12 JAN 56 (S.D. 35/1).
2. LTR, 32D ADIV TO EADF, "(UNCL) REVISION TO THE SITING DIRECTIVES FOR THE LOW ALTITUDE GAP FILLER RADAR PROGRAM", 25 JAN 56 (S.D. 35/2).
3. LTR & IND, EADF TO 32D ADIV, "REVISED ADC GAP FILLER PROGRAM", 18 MAY 56 (S.D. 35/3).
36. LTR & IND, EADF TO 32D ADIV, "DELETED GAP FILLER SITES", 16 MAY 56 (S.D. 36).

37. THOSE SITES WHICH HAD BEEN APPROVED WERE THE FOLLOWING:

SITE	LOCATION
P-13A	SEDGEWICK, ME.
P-14B	BLUE MOUNTAIN, ME.
P-14C	BANGOR, ME.
P-49A	SUTTON'S CORNERS, N.Y.
P-47B	OSWEGATCHIE, N.Y.
P-65A	TOPSFIELD, ME.
P-30B	BRIDGEWATER, ME.

THOSE SITES WHICH WERE STILL TO BE APPROVED:

P-30C	DEPOT MOUNTAIN, ME.
P-30D	ROCKY MOUNTAIN, ME.

SECRET

0454

SECRET

63

THE COST VARIED TO SOME EXTENT ON EACH; AS USUAL, TOO, SOME OF THE ACCESS ROADS CONSUMED MUCH OF THE ALLOCATED FUNDS TO BE SPENT ON REAL ESTATE AND THE BUILDINGS. AT THE TIME OF THIS WRITING, THERE WERE TWO SURVEYS AWAITING FINAL APPROVAL.

THE FIGHTER-INTERCEPTORS

MATERIAL EVIDENCE OF THE WIZARDRY OF DRAFTING TABLES AND MACHINE TOOLS COULD BE SEEN IN THE SLEEK AND DEADLY INTERCEPTORS INCLOSED WITHIN ALERT HANGERS THROUGHOUT THE AIR DEFENSE COMMAND TERRITORY. A TRIBUTE TO THE INVENTIVENESS OF MAN, THESE AIRCRAFT WERE THE MAINSTAY OF AIR DEFENSE: THE F-86D, THE F-8D, AND THE F-94C. EVEN AFTER THE ORGANIZATIONAL CHANGE THAT SWEEPED THE AIR DEFENSE COMMAND, THE 32D AIR DIVISION STILL MAINTAINED ITS SHARE. BY THE END OF THE PERIOD UNDER STUDY, THERE WERE SIX FIGHTER-INTERCEPTOR SQUADRONS UNDER COMMAND JURISDICTION OF THE DIVISION.

-
- 83/ 1. TRX, ACFOCE 02143, 32D ADIV TO 654TH AC&M Sq, 27 FEB 56 (s.d. 83/1).
 2. TRX, ACFOCE 02144, 32D ADIV TO APPLICABLE UNITS, 27 FEB 56 (s.d. 83/2).
- 83). THE DEPLOYMENT OF THE FIGHTER-INTERCEPTOR SQUADRONS WITHIN THIS COMMAND ARE OUTLINED BELOW.
 (CONT'D ON NEXT PAGE.)

SECRET

0455

SECRET

69

REGARDLESS, HOWEVER, OF THE NUMBER OF AIRCRAFT ASSIGNED, THERE WERE EXTENUATING FACTORS WHICH PRESENTED A DIM PICTURE OF THE ACTUAL COMBAT CAPABILITY OF AIR DEFENSE INTERCEPTORS -- THIS DIVISION BEING NO EXCEPTION TO THE RULE. FIRSTLY, THE HIGH ALTITUDE CAPABILITY OF THESE PLANES WAS INDEED POOR. THIS CAN BE ATTRIBUTED SOMEWHAT TO THE PLANES THEMSELVES, AND LACK OF HIGH ALTITUDE TRAINING FOR THE INTERCEPTOR CREWS. AT THE CLOSE OF THE PERIOD, INTERCEPTS ABOVE 40,000 FEET WERE RARE.⁹⁰ WITH THE USE OF AFTERBURNERS (WHICH HAVE A RELATIVELY SHORT LIFE) THE AIRCRAFT CAN REACH ALTITUDES ABOVE 40,000

89. (CONT'D FROM PRECEDING PAGE).

<u>LOCATION</u>	<u>DESIGNATION</u>	<u>TYPE AIRCRAFT</u>
PRESQUE ISLE AFB, ME.	75TH FIS	F-89D
PRESQUE ISLE AFB, ME.	76TH FIS	F-89D
GRIFFISS AFB, N.Y.	27TH FIS	F-24C
GRIFFISS AFB, N.Y.	465TH FIS	F-89H
ETHAN ALLEN AFB, VT.	37TH FIS	F-86D
L.G. HANSCOM FIELD, MASS.	49TH FIS	F-86D

THE 76TH AT PRESQUE ISLE WAS ALSO NOMINATED BY THIS HEADQUARTERS FOR HUGHES NIGHT FIGHTER TROPHY.

1. IMX, ACFOOT-FO 05149, 32D ADIV TO EADF, 23 MAY 56 (S.D. 39/1).

20/ 1. LTR & IND, EADF TO 32D ADIV, "(UNCLASSIFIED) HIGH ALTITUDE TRAINING", 31 MAY 56 (S.D. 90/1).
 2. LTR, COL O'NEILL TO EADF, "(UNCLASSIFIED) HIGH ALTITUDE TRAINING", 19 JUN 56 (S.D. 90/2).

SECRET

0456

SECRET

70

FEET. BUT IT HAS BEEN PROVEN THAT THIS PROCEDURE IS EXTREMELY HARD ON JET ENGINES AS IT REQUIRES FULL POWER FOR AN EXTENDED PERIOD. FURTHER CONSEQUENCES STILL PERSIST, AND FURTHER AGGRAVATE THE SITUATION.

FIRSTLY, NECESSITY OF THIS NATURE MAKES FURTHER DEMANDS UPON "HARD CORE" LINE MAINTENANCE MEN. SKILLED JET ENGINE MECHANICS ARE CRITICAL FOR AIR DEFENSE. ³¹ EVEN ASSUMING THAT THEIR NUMBERS ARE PLENTIFUL, AND THE AACP RATE ON AIRCRAFT IS SUBSTANTIALLY REDUCED, THE OBSTACLE STILL REMAINS OF INADEQUATE HEIGHT FINDERS OF RADAR SITES, PROFICIENCY OF AC&W CONTROLLERS, FIRE CONTROL SYSTEMS MAINTENANCE (ANOTHER SORE POINT), AND AIRCRAFT CREW PROFICIENCY. ³²

THE SITUATION, ALTHOUGH BAD, COULD HAVE BEEN WORSE THROUGHOUT THE PERIOD. AS COULD BE EXPECTED, STEPS WERE TAKEN TO AMELIORATE MANY OF THESE PROBLEMS, AND THE

-
31. LTR & INDS, 76TH FIS TO 23D FG, "INABILITY TO COMPLETE ADCR 51-3 TRAINING REQUIREMENTS", 5 APR 56 (S.D. 31).
- 32/ 1. LTR & IND, EADF TO 32D ADIV, "ECM TRAINING FOR FIGHTER-INTERCEPTOR SQUADRONS", 7 MAR 56 (S.D. 32/1).
2. LTR, INCL, & INDS, 355TH FG TO EADF, "CHAFF DISPENSER - RADAR REFLECTOR", 13 APR 56 (S.D. 32/2).

SECRET

0457

SECRET

71

PROCESSES WERE AKIN TO EVENTS IN THE PERMANENT RADAR SITES. THE STEPS TAKEN WERE ENCOURAGING. FIRSTLY, MODIFICATION WAS A CONTINUAL PROCESS ON THE INTERCEPTORS, AL-⁹³BEIT WITH SOME DIFFICULTY, BUT NONETHELESS CONSUMMATED. SECONDLY, ALTHOUGH STILL FAR FROM PERFECT, A CONCERTED EFFORT WAS MADE IN QUALITATIVE MANNING OF MAINTENANCE⁹⁴ PERSONNEL IN THE SQUADRONS.

A CONTINUED UPGRADE TRAINING PROGRAM COUPLED WITH CROSS TRAINING OF SURPLUS SEVEN LEVEL CONVENTIONAL TYPE AIRCRAFT TECHNICIANS WILL INCREASE THE QUALITATIVE MANNING WITHIN AIR DEFENSE COMMAND.

THERE WERE TWO OTHER FACTORS WHICH WERE TO HAVE EVEN GREATER IMPORTANCE. ONE WAS PROJECT HIGH CARD, THE DEVELOPMENT OF THE MB-1 AIR-TO-AIR GUIDED MISSILE WITH

-
- B/* 1. INX, EAMAC-4 52796, EADF TO APPLICABLE UNITS, 27 DEC 55, (s.d. 93/1).
 2. INX, EAMAC-4 7602, EADF TO APPLICABLE UNITS, 23 FEB 56 (s.d. 93/2).
 3. INX, ACFOOT-FO 05056, 32D ADIV TO 26TH ADIV, 7 MAY 56 (s.d. 93/3).
 4. LTR & INDS, 49TH FIS TO 4707TH ADM, "REQUEST FOR FLYING TRAINING WAIVER", 15 MAY 56 (s.d. 93/4).

PROJECT "BLUE FLAME" WAS ALSO INITIATED. THIS WAS A MEANS TO TRAIN MORE PILOTS FOR AIRCRAFT OBSERVER WORK.

5. INX, EAPPT-S 52833, EADF TO APPLICABLE UNITS, 27 DEC 55 (s.d. 93/5).
A. 32D ADIV STAFF COMMENTARY, MAY 56 P 2 (s.d. 75/4).

SECRET

0458

SECRET

72

AN ATOMIC WARHEAD.⁹⁵ THE OTHER PROJECT CONCERNS A MISSILE OF SORT, AND THIS WAS THE INTRODUCTION OF THE F-102A, THE LONG AWAITED SUPERSONIC INTERCEPTOR FOR AIR DEFENSE.

IT IS LETHAL (ARMED WITH THE GAR-1, AND LATER MB-1), AND HAS OUTSTANDING ALTITUDE CHARACTERISTICS. THUS, THE DREAM OF AIR DEFENSE COMMAND WAS COMING TRUE. AN INTERCEPTOR HAD BEEN BORN WHICH COULD OUTFLY AND OVERTAKE ANY STRATEGIC AIRCRAFT THAT THE SOVIETS COULD PRESENTLY SEND AGAINST US. THE 27TH FIGHTER INTERCEPTOR SQUADRON AT GRIFFISS WAS THE LUCKY SQUADRON IN THIS DIVISION. PROGRAMMED TO RECEIVE THEIR FIRST F-102A'S DURING EARLY FY 1958, THE DIVISION WAS SLOWLY BEING GEARED FOR THEIR NEW AIRCRAFT'S DEBUT.⁹⁶ THERE WAS ONLY ONE SERIOUS DIFFICULTY TO THE ENTIRE PROGRAM WHICH WAS VERY SERIOUS IN ITS RAMIFICATIONS, AND THAT WAS THE NOISE ASSOCIATED WITH THIS NEW AIRCRAFT.

95. TMX, ACFOOT-A 02080, 32D ADIV TO GROUP "TA", 17 FEB 56 (S.D. 95).

IN ESSENCE, ITS PREDECESSOR IS THE GAR-1. ALTHOUGH BY NO MEANS AS DESTRUCTIVE, BOTH HAVE AT LEAST ONE THING IN COMMON. THEY ARE BOTH LAUNCHED FROM INTERCEPTORS AND WILL SEEK AND TRACK THEIR TARGETS.

96. LTR & INDS, ADC TO EADF, "F-102A WEAPONS SUPPORT MANUAL", 2 MAR 56 (S.D. 96).

SECRET

0459

SECRET

73

IN THE WORDS OF ONE OFFICER WHO HAS WITNESSED F-102A OPERATIONS, THE NOISE" ... IS HORRIBLE, EVEN WITHOUT THE AFTERBURNER!" THUS, THE LATTER PORTION OF THE PERIOD SAW THE INITIAL STEPS TAKEN TO "CONDITION" THE PUBLIC IN AREAS IMMEDIATE TO INTERCEPTOR BASES SCHEDULED TO RECEIVE THIS NEW AIRCRAFT. ⁷⁷

A NEW SQUADRON

THIS WAS THE 465TH FIGHTER-INTERCEPTOR SQUADRON, NEWLY ACTIVATED AND ATTACHED TO GRIFFISS AIR FORCE BASE. AT THE END OF THE PERIOD UNDER STUDY, THIS SQUADRON WAS A WORKING ORGANIZATION; BUT AIRCRAFT WERE STILL A SCARCITY. THIS COULD BE ATTRIBUTED TO THE FACT THAT THIS SQUADRON WAS ONE OF THE FIRST TO RECEIVE THE F-37. THIS MOST RECENT MODIFICATION OF THE F-37 PERMITTED USE OF THE HUGHES GAR-1 FALCON MISSILE. AS AN INTERIM MEASURE, AND

⁷⁷ LTR & INCL, EADF TO COMMANDERS, ADIVS, "OIS PROGRAM FOR INTRODUCTION OF F-102", 14 MAY 56 (S.D. 77).

AFTER THE 27TH FIS RECEIVES ITS COMPLIMENT OF F-102A'S, THE 76TH WILL THEN DEPLOY TO THE AZORES.

1. TMX, ACFOFR 02024, 32D ADIV TO EADF, 8 FEB 56 (S.D. 77/1).
2. TMX, ACFOFR 02073, 32D ADIV TO 4711TH ADM AND 23D FG, 16 FEB 56 (S.D. 77/2).

SECRET

0460

SECRET

74

TO ACQUAINT PILOTS AND RADAR OBSERVERS WITH THIS TYPE AIRCRAFT, SOME F-89'S WERE MAINTAINED. ARRANGEMENTS WERE MADE FOR THE HIGH SPEED INDOCTRINATION TEAM FROM OGDEN AIR MATERIAL AREA TO BE PRESENT AT GRIFFISS TO FACILITATE TRAINING; THIS TEAM ALSO AUGMENTED THE FLIGHT SIMULATOR TRAINING PROGRAM.

THUS, THE PERIOD WITNESSED EXTENSIVE PLANNING, EQUIPPING, AND ORGANIZING OF THE NEW SQUADRON. THERE WAS IMMEDIACY INVOLVED, FOR THIS SQUADRON WAS SOON TO STAND ALERT AT GRIFFISS DURING THE TEMPORARY DEPLOYMENT OF THE 27TH. BY THE END OF JUNE, THE 465TH WAS STANDING

-
- 93/ 1. LTR, MAJ GENERAL TILLERY TO 32D ADIV "LOGISTIC SUPPORT OF F-89 AIRCRAFT" 29 DEC 55 (s.d. 93/1).
 2. LTR, COL INGENHUTT TO OAMA, "LOGISTIC SUPPORT OF F-89 AIRCRAFT", 13 JAN 56 (s.d. 93/2).

- 99/ 1. 32D ADIV STAFF MEETING MINUTES, 25 JAN 56 (s.d. 99/1).
 2. 32D ADIV STAFF MEETING MINUTES, 13 FEB 56 (s.d. 99/2).
 3. 32D ADIV STAFF MEETING MINUTES, 17 FEB 56 (s.d. 99/3).
 4. M'X, ACFOFR 02103, 32D ADIV TO 4711TH ADM, 23 FEB 56 (s.d. 99/4).
 5. M'X, ACFOOT-FO 04014, 32D ADIV TO 4711TH ADM, 23 FEB 56 (s.d. 99/5).
 6. M'X, ACFOLE 05156, 32D ADIV TO ADC, 28 MAY 56 (s.d. 99/6).
 7. M'X, ACFOLE 06031, 32D ADIV TO ADC, 5 JUN 56 (s.d. 99/7).
 8. M'X, ACFOLE 06030, 32D ADIV TO APPLICABLE UNITS, 5 JUN 56 (s.d. 99/8).

SECRET

0461

SECRET

75

ALERT ON A FIFTY-FIFTY BASIS. AS ALL OF ITS AIRCRAFT WERE NOT F-3H's, THE ALERT COMMITMENT WAS DIVIDED BETWEEN THE F-3D AND THE F-3H.
100

SUPPORT OF THE FIGHTER-INTERCEPTORS

THE TYPICAL INTERCEPTOR REQUIRES MORE GROOMING, POLISHING, AND GENERAL MAINTENANCE THAN ANY OTHER TOOL OF WAR. ASIDE FROM THE HARSH DEMANDS THE AIRCRAFT MAY MAKE UPON LOCAL SUPPORT ORGANIZATIONS, THE AIRCRAFT ALSO HAVE THE PECULIARITY OF MAKING FURTHER DEMANDS UPON AGENCIES FAR REMOTE FROM THEIR BASE, I.E., NAVIGATIONAL AIDS, CALIBRATION OF SEARCH AND HEIGHT FINDER RADARS, AND ALTERNATE RECOVERY BASES. TO KEEP THESE AIRCRAFT OPERATIONALLY READY STAGGERS THE IMAGINATION, FOR THE ENTIRE PROCESS IS CERTAINLY MORE PROFOUND THAN THE INTRICACIES OF THE INTERCEPTORS THEMSELVES.

THE SITUATION IS FURTHER COMPLICATED BY THE FACT THAT THE HIGHLY SPECIALIZED TECHNICIANS TRAINED TO ACCOMPLISH THE CRITICAL MAINTENANCE TASKS WERE FEWER IN

-
- 100/ 1. M'X, ACFOOT-FO 05037, 32d ADIV TO 465th FIS, 14 MAY 56 (S.D. 100/1).
2. M'X, ACFOOT-FO 06054, 32d ADIV TO 465th FIS, 7 JUN 56 (S.D. 100/2).

SECRET

0462

SECRET

76

NUMBERS. THE FRUSTRATIONS OF MAINTAINING A STRONG DEFENSIVE FIGHTING FORCE WERE IN MANY WAYS OVERTLY MANIFESTED DURING THE PERIOD, AND THE MAIN REASON FOR THIS THE APPARENT PAUCITY OF MAINTENANCE MEN. AS HAD BEEN SEEN EARLIER, MEASURES HAD BEEN DEVISED TO RECTIFY THIS SITUATION (TRAINING OF CONVENTIONAL AIRCRAFT MECHANICS IN THE PHASES OF JET AIRCRAFT MAINTENANCE) BUT IT WAS NOT ENCOURAGING ENOUGH TO PERMIT A SLACKENING OF THIS VITAL PHASE OF TRAINING, NOR DID IT BY ANY MEANS REFLECT OPTIMUM ALERT AND BACKUP STATUS AT VARIOUS INTERCEPTOR BASES THROUGHOUT THIS COMMAND OR AIR DEFENSE COMMAND.

THUS, SORELY NEEDED JET ENGINE AND FIRE CONTROL SYSTEMS TECHNICIANS WERE SCARCE IN NUMBERS. ALTHOUGH NOT JEOPARDIZING ALERT CONDITIONS PER SE DURING THE PERIOD, IT IS SIGNIFICANT WHEN TAKEN IN THE LIGHT OF THE NUMBER OF ASSIGNED INTERCEPTORS FOR EACH SQUADRON, AND THOSE WHICH WERE OPERATIONALLY READY OR ON BACKUP STATUS.

101. ONE OF THE INSIDIOUS AND VERY FATHETIC RESULTS OF THE EXTENSIVE TRAINING OF HARD CORE SPECIALISTS IS THAT THE AIR FORCE CANNOT RETAIN THEM. AFTER THE EXPENDITURE OF THOUSANDS OF DOLLARS ON TRAINING ONE AIRMAN IN FIRE CONTROL SYSTEMS, HE IS THEN SENT TO THE FIELD. AFTER HIS INITIAL ENLISTMENT (CONT'D ON NEXT PAGE.)

SECRET

0463

SECRET

77

REGARDLESS OF THE NUMBER OF AIRCRAFT WHICH WOULD BE AIRBORNE DURING AN AIR BATTLE, THE PERIOD SAW CONCERTED EFFORT MADE IN THE DIRECTION OF FLEXIBILITY OF AIR BATTLE RECOVERY PROCEDURES. BY THE FIRST OF JUNE, ALL INTERCEPTOR BASES WERE DIRECTED TO HAVE RESERVE CAPABILITY FOR ALL INTERCEPTORS PRESENTLY ASSIGNED VARIOUS COMMANDS. THUS, THIS DIVISION WAS CONCERNED WITH ALL THREE TYPES; THE NECESSARY TOOLS AND INSTRUMENTS TO SUPPORT THIS DEMAND WERE TO BE LOCALLY FABRICATED IF NECESSARY, THE FINAL RESULT BEING COMPLETE RESERVE FOR ANY TYPE INTERCEPTOR.

102

101. (CONT'D FROM PRECEDING PAGE).

HAS EXPIRED, HE HAS THE OPPORTUNITY OF ACCEPTING FURTHER TRAINING, UP TO \$1,500 IN CASH AND STAYING IN THE AIR FORCE. BUT HIGHLY SKILLED TECHNICIANS ARE ALSO WANTED IN THE AIRCRAFT INDUSTRY, AND THE PAY RATE IS MUCH HIGHER. INEVITABLY, HE CHOOSES THE LATTER, THE RESULT OF WHICH MAY BE ANOTHER AIRCRAFT NOT OPERATIONALLY READY.

- 102/
1. LTR, INCLS, & IND, EADF TO 32D ADIV, "INTERCEPTOR TURN AROUND", 29 FEB 56 (S.D. 102/1).
 2. LTR, INCLS, & IND, EADF TO 32D ADIV, "INTERCEPTOR TURN AROUND", 30 APR 56 (S.D. 102/2).
 3. LTR & INDS, 37TH FIS TO 14TH FG, "MOBILE ROCKET BARRIER (QUALITATIVE OPERATIONAL REQUIREMENT)", 23 DEC 55 (S.D. 102/3).

SECRET

0464

SECRET

73

CONCURRENT WITH THIS WAS THE INTRODUCTION OF THE CRITERIA FOR ARRESTING BARRIERS AT VARIOUS INTERCEPTOR BASES. THE CAA HAD BEEN SERIOUSLY CONSIDERING THIS ASPECT OF OPERATION FOR QUITE SOME TIME, ESPECIALLY SINCE MANY AIR DEFENSE COMMAND SQUADRONS WERE IN JOINT OPERATIONS WITH CIVIL AIRCRAFT AT THE SAME BASE. GENERALLY, INCREASED PERFORMANCE IN INTERCEPTOR AIRCRAFT MEANS FASTER TAKE-OFF TIME. BUT EXTENDED RUNWAYS HAVE BEEN A CONCURRENT NEED BECAUSE THE MORE POWERFUL AIRCRAFT REQUIRE LONGER LANDING DISTANCES. IN INSTANCES WHERE RUNWAY EXTENSION HAS BEEN ENTIRELY IMPRACTICABLE, ARRESTING DEVICES AKIN TO THOSE ON AIRCRAFT CARRIERS OR BARRIER TYPE DEVICES WERE NOW APPROVED BY THE CAA.

OF SEVERE IMPORTANCE DURING THIS PERIOD WAS THE LACK OF PERSONNEL TO MAN CONTROL TOWERS.

-
103. LTR & INCL, 32D ADIV TO 4707TH AND 4711TH ADM'S, "TRANSMITTAL OF CAA LETTER", 1 FEB 56 (S.D. 103).

ALSO FAVORABLE CONSIDERED AT THIS TIME WAS THE REQUEST FOR TACAN AT BURLINGTON MUNICIPAL AIRPORT (ETHAN ALLAN AIR FORCE BASE).

1. LTR, INCLS, & IND, 4711TH ADM TO 32D ADIV, "REQUEST FOR TACAN AIRSPACE ACTION", 27 DEC 55 (S.D. 103/1).
104. LTR, COL O'NEILL TO EADF, "CONTROL TOWER MANNING AT PRESQUE ISLE AIR FORCE BASE", 26 JUN 56 (S.D. 104).

SECRET

0465

SECRET

7)

CONTROL TOWER OPERATORS ARE APPARENTLY CRITICAL AT ALL BASES; E.G., ONLY FOUR OPERATORS ARE AVAILABLE TO THE VITAL SAC BASE AT LORING FOR 24-HOUR OPERATION. THE AAC'S PEOPLE AT PRESQUE ISLE ARE ACTUALLY ASSIGNED TO THE LORING DETACHMENT.

PRESQUE ISLE FELT MORE THAN ITS BURDEN, AS WITNESSED BY THE ABOVE. AS WAS POINTED OUT, THERE WERE ONLY THREE CONTROL TOWER OPERATORS AVAILABLE FOR 24 HOUR OPERATION.¹⁰⁵ THE LAST TEN DAYS OF THE PERIOD SAW THE PRESQUE ISLE TOWER IN LIMITED OPERATION ONLY; FROM 2400 HOURS TO 0300 HOURS, A RATED OFFICER MANNED THE TOWER FOR SCRAMBLES. BUT ALL THE ELEMENTS OF SCRAMBLE AND RECOVERY WERE CONTROLLED BY AGENCIES OUTSIDE THE TOWER.¹⁰⁶

THUS, THERE WERE ELEMENTS OF SUPPORT WHICH WERE FAR FROM IDEAL. BUT THERE WAS A MUCH BRIGHTER SIDE TO THE PICTURE; THE INTERCEPTOR FORCE WAS STILL A FIGHTING FORCE. THERE WERE THE OBVIOUS ELEMENTS OF SUPPORT ALWAYS RENDERED-- FROM RUNWAY SNOW REMOVAL TO ADEQUATE FUEL SUPPLY. MOREOVER, THE INTANGIBLE BUT HIGHLY SIGNIFICANT AURA OF "ESPRIT DE CORPS" WAS PRESENT IN THE "HARD CORE" MAINTENANCE CREWS WHO REMAINED IN THE AIR FORCE AND MANIFEST IN THE COMBAT CREWS.

105. IBID.

106. IBID.

SECRET

0466

SECRET

30

ROCKETRY

INTERCEPT DIRECTORS VECTOR FIGHTER AIRCRAFT TO A POINT IN SPACE WHERE THE AIRCRAFT'S OWN FIRE CONTROL SYSTEM MAY THEN TAKE THE FINAL STEPS TO CONSUMMATE AN INTERCEPT. THE FINAL STEP IS THE ACTUAL FIRING OF THE ROCKETS; ALTHOUGH HOSTILE AIRCRAFT HAVE NOT FELT THE EXPLCSIVE IMPACT OF THESE MISSILES, THERE HAVE BEEN ENOUGH INTACT AND SHREDDED TARGETS TOWED BEHIND T-33 AIRCRAFT TO GIVE SOME INDICATION OF THE SUCCESS OF THE ROCKETRY PROGRAM.

THE PROGRAM WAS BY NO MEANS ALL THAT COULD BE DESIRED. AS IN THE PAST, THERE WERE VARIOUS REASONS FOR THE APPARENT LACK OF COMPREHENSIVE TRAINING; TOW REELS AND TARGETS WERE HIGH ON THE PRIORITY LIST, AS WELL AS CAMERAS TO RECORD ACTUAL OR ASSESSED HITS. THE BASIC ELEMENT OF TRAINING

-
- 107/
1. M'X, ACFOOT-FO 01038, 32D ADIV TO EADF, 9 JAN 56 (s.d. 107/1).
 2. M'X, ACFOOT-FO 02123, 32D ADIV TO ALL APPLICABLE UNITS, 23 FEB 56 (s.d. 107/2).
 3. LTR & IND, EADF TO 32D ADIV, "N-6 CAMERA MOUNT FOR NADAR GROUND REPRODUCER UNIT", 6 MAR 56 (s.d. 107/3).
 4. M'X, ACFOOT-FO 03077, 32D ADIV TO 14TH & 23D FGS, 14 MAR 56 (s.d. 107/4).
 5. M'X, ACFOOT-FO 03101, 32D ADIV TO 23D FG, 20 MAR 56 (s.d. 107/5).
 6. 32D ADIV STAFF MEETING MINUTES, 12 APR 56 (s.d. 107/6)
 7. M'X, ACFOOT-FO 06122, 32D ADIV TO EADF, 1 JUN 56 (s.d. 107/7).
 3. M'X, ACFOOT-FO 06113, 32D ADIV TO 14TH & 23D FGS, 13 JUN 56 (s.d. 107/3).

SECRET

0467

SECRET

91

PRESENTED PROBLEMS, TOO, AS ROCKETRY RANGES WERE NOT ALWAYS AT HAND. THE DANGERS INHERENT IN SUCH A PROGRAM ALSO DICTATED CERTAIN RIGID RULES OF PLAY THAT CAREFULLY RESTRICTED ROCKET-FIRING ACTIVITIES.

AS IN THE PAST, THE ROCKETRY PROGRAM WAS DIVIDED INTO THREE DISTINCT AREAS OF TRAINING. THERE WAS PRACTICE ON LOCAL RANGES, OR MORE ELABORATE WEAPONS TRAINING AT EITHER MOODY OR YUMA (NOW VINCENT) AIR FORCE BASES, DEPENDING UPON THE MODEL OF THE AIRCRAFT. THE DEMANDS PLACED UPON THE SQUADRON AFFECTED WERE EXACTING, INDEED. TO PREPARE AN

-
- 103/ 1. LTR & INCL, 32D ADIV TO EADF, "GUNNERY RANGE UTILIZATION", 16 FEB 56 (S.D. 103/1).
 2. LTR & IND, 23D FG TO 32D ADIV, "ESTABLISHMENT OF LOCAL FLYING AREA", 11 JUN 56 (S.D. 103/2).
 3. TMX, ACFOOT-FO 06142, 32D ADIV TO 14TH FG, 22 JUN 56 (S.D. 103/3).
- 102/ 1. LTR, INCL & INDS, 4707TH ADIV TO 32D ADIV, "ROCKETRY TRAINING OVER AN UNDERCAST", 13 JAN 56 (S.D. 102/1).
 2. TMX, ACFOOT-FO 01031, 32D ADIV TO 4707TH & 4711TH ADIV'S, 16 JAN 56 (S.D. 102/2).
 3. TMX, ACFOOT-FO 01062, 32D ADIV TO 4707TH & 4711TH ADIV'S, 17 JAN 56 (S.D. 102/3).
 4. TMX, ACFOOT-FO 02002, 32D ADIV TO APPLICABLE UNITS, 6 FEB 56 (S.D. 102/4).
 5. TMX, ACFOOT-FO 02033, 32D ADIV TO GROUP "TA", 20 FEB 56 (S.D. 102/5).
 6. TMX, ACFOOT-FO 02125, 32D ADIV TO EADF, 27 FEB 56 (S.D. 102/6).
 7. TMX, ACFOOT-FO 04032, 32D ADIV TO APPLICABLE UNITS, 16 APR 56 (S.D. 102/7).
 8. TMX, ACFOOT-FO 05067, 32D ADIV TO 14TH FG, 14 MAY 56 (S.D. 102/8).

SECRET

0468

SECRET

82

ENTIRE SQUADRON FOR SUCH TRAINING REQUIRES CONSIDERABLE LINE MAINTENANCE AND THE FERRYING OF THOUSANDS OF POUNDS OF TEST AND MAINTENANCE EQUIPMENT, AND THE MEN TO FULFILL THESE NEEDS.

AS COULD BE EXPECTED, THE ROUTINE OF DEPLOYMENT NECESSITATED JUGGLING OF THE ALERT COMMITMENTS OF VARIOUS BASES, AND THE DIVISION AS A WHOLE. THUS, AS ONE SQUADRON LEFT THE DIVISION TO COMMENCE THEIR TRAINING, A

-
- 110/ 1. LTR & INDS, 27TH FIS TO 14TH FG, "AIRLIFT REQUIREMENT FOR ROCKETRY PROFICIENCY", 2 MAY 56 (s.d. 110/1).
 2. TTX, ACFOOT-FO 05037, 32D ADIV TO APPLICABLE UNITS, 4 MAY 56 (s.d. 110/2).
- 111/ 1. TTX, ACFOOT-FO 01133, 32D ADIV TO EADF, 23 JAN 56 (s.d. 111/1).
 2. TTX, ACFOOT-FO 01164, 32D ADIV TO EADF, 27 JAN 56 (s.d. 111/2).
 3. TTX, ACFOOT-FO 02046, 32D ADIV TO 4707TH & 4711TH AID's, 13 FEB 56 (s.d. 111/3).
 4. TTX, ACFOOT-FO 02072, 32D ADIV TO EADF, 16 FEB 56 (s.d. 111/4).
 5. TTX, ACFOOT-FO 03016, 32D ADIV TO 27TH FIS, 2 MAR 56 (s.d. 111/5).
 6. TTX, ACFOOT-FO 04122, 32D ADIV TO 654TH AC&W Sq, 23 APR 56 (s.d. 111/6).
 7. TTX, ACFOOT-FO 05073, 32D ADIV TO EADF, 14 MAY 56 (s.d. 111/7).
 8. TTX, ACFOOT-FO 05130, 32D ADIV TO EADF, 31 MAY 56 (s.d. 111/8).
 9. TTX, ACFOOT-FO 06006, 32D ADIV TO MOODY AFB, 14 JUN 56 (s.d. 111/9).
 10. TTX, ACFOOT-FO 06110, 32D ADIV TO EADF, 13 JUN 56 (s.d. 111/10).

SECRET

0469

SECRET

33

SUBSTANTIAL PORTION OF THE DIVISION'S COMBAT CAPABILITY WAS MOMENTARILY LOST. A SQUADRON'S VACANCY WAS FILLED IN EITHER ONE OF TWO WAYS; ANOTHER SQUADRON ASSUMED ALERT COMMITMENT AT THE PARTICULAR BASE AFFECTED, OR OTHER UNITS FILLED THE VACANCY FROM PERIMETER BASES.

REGARDLESS OF THE INHERENT WEAKNESS IN FIGHTER STRENGTH FOR THE DURATION OF DEPLOYMENT, THE RESULTS WERE IN FAVOR OF THE DIVISION. PROFICIENCY GAINED WAS THE DETERMINING FACTOR OF SUCH TRAINING -- A BETTER COMBAT CAPABILITY REALIZED FOR AIR DEFENSE. THIS WAS MORE THAN SUBSTANTIATED BY THE MERE FACT THAT THE INTERCEPTIVE RESULTS OF MISSIONS AND EXERCISES WERE IMPROVING, TOO. GRANTED, THERE WAS STILL MUCH TO BE REALIZED PRIOR TO AIR DEFENSE BECOMING THE FORCE IT SHOULD BE; SOME OF THE BETTER MISSIONS INVOLVING STRATEGIC AIR COMMAND AIRCRAFT HAD SHOWN THAT THE STRINGENT OPERATIONAL DEMANDS UPON SQUADRONS WERE MORE THAN COULD BE ADEQUATELY HANDLED. HIGH ALTITUDE INTERCEPTS AND THE USE OF EOCM MEASURES WERE SHOWN TO BE OF PARTICULAR IMPORTANCE. IT CAN BE ASSUMED THAT AIR-TO-AIR ROCKETRY AT HIGH ALTITUDES WITH THE GAR-1 WOULD COUNTERACT TO SOME EXTENT THE DEFICIENCIES OF THIS VITAL PHASE OF TRAINING.

SECRET

0470

SECRET

34

AUGMENTATION UNITS

ASIDE FROM THE ALERT COMMITMENTS MET BY VARIOUS FIGHTER-INTERCEPTOR SQUADRONS WITHIN THE DIVISION SECTOR, THERE WERE OTHER ELEMENTS WITH MODERATE COMBAT CAPABILITY WHICH WITHSTOOD THEIR OWN SHARE OF THE TEDIUM OF AIR DEFENSE READINESS. THESE OTHER UNITS WERE THE AIR NATIONAL GUARD AND RESERVE UNITS, MAINLY MANNED BY CIVILIANS WHO MAINTAINED PROFICIENCY IN THE FIELDS THEY WERE ASSIGNED WHILE ON PREVIOUS ACTIVE DUTY.

ALTHOUGH THEIR COMBAT CAPABILITY WAS FAR FROM PERFECT, THERE WAS SOME CONSOLATION IN THE FACT THAT THEIR PERSONNEL WERE EAGER, AND THEY DID HAVE CONSIDERABLE AIRCRAFT. FOR THE MOST PART, THESE UNITS WERE STATIONED AT DEFINITE TARGET AREAS; THUS, POINT DEFENSE OF THESE AREAS COULD BE CONSIDERED A LIKELY POSSIBILITY WITH THESE UNITS PARTICIPATING. THEIR INTEGRATION INTO THE ACTIVE AIR DEFENSE SYSTEM HAD BEEN PAINSTAKINGLY PLANNED. THE OLD CONCEPT OF THE "WEEKEND WARRIORS" WAS BEING REPLACED BY MORE OF A PROFOUND RESPECT FOR THEIR PRACTICAL COMBAT CAPABILITY (WEAK OR NOT), AND THE FACT THAT THESE MEN WERE WILLING TO TAKE THE INCONVENIENCE AND RISKS INVOLVED ABOVE A FLACID CIVILIAN LIFE.

SECRET

0471

SECRET

85

THE PERIOD WITNESSED A CLOSER COORDINATION BETWEEN ACTIVE AIR DEFENSE ELEMENTS AND THE AIR NATIONAL GUARD UNITS. PERMISSION WAS GIVEN FOR ALL OF THE AUGMENTATION UNITS TO ENTER THE DIVISION'S HF RADIO SYSTEM. ALTHOUGH NOT OPERATING ON A 24-HOUR BASIS, THERE WAS AT LEAST MORE FLEXIBILITY FOR DEFENSE DURING THE DAYLIGHT HOURS.

-
- 112/ 1. LTR, 32D ADIV TO ADJ GEN, STATE OF NY, "AUTHORITY FOR AUGMENTATION UNITS TO ENTER DIVISION HF RADIO CALL NET", 9 FEB 56 (S.D. 112/1).
2. LTR, 32D ADIV TO ADJ GEN, STATE OF MASS, "AUTHORITY FOR AUGMENTATION UNITS TO ENTER DIVISION HF RADIO CALL NET", 9 FEB 56 (S.D. 112/2).
3. LTR, 32D ADIV TO ADJ GEN, STATE OF VT, "AUTHORITY FOR AUGMENTATION UNITS TO ENTER DIVISION HF RADIO CALL NET", 9 FEB 56 (S.D. 112/3).
4. LTR, 32D ADIV TO ADJ GEN, STATE OF ME, "AUTHORITY FOR AUGMENTATION UNITS TO ENTER DIVISION HF RADIO CALL NET", 9 FEB 56 (S.D. 112/4).
5. LTR, 32D ADIV TO 2256TH AFRTC, "AUTHORITY FOR AUGMENTATION UNITS TO ENTER DIVISION HF RADIO CALL NET", 9 FEB 56 (S.D. 112/5).
6. LTR, 32D ADIV TO CMDR, S Weymouth NAS, "AUTHORITY FOR AUGMENTATION UNITS TO ENTER DIVISION HF RADIO CALL NET", 10 FEB 56 (S.D. 112/6).
7. LTR, 32D ADIV TO CMDR, NIAGARA FALLS NAS, "AUTHORITY FOR AUGMENTATION UNITS TO ENTER DIVISION HF RADIO CALL NET", 10 FEB 56 (S.D. 112/7).
8. LTR, 32D ADIV TO ADJ GEN, STATE OF NH, "AUTHORITY FOR AUGMENTATION UNITS TO ENTER DIVISION HF RADIO CALL NET", 10 FEB 56 (S.D. 112/8).
9. LTR, 32D ADIV TO 2234TH AFRTC, "AUTHORITY FOR AUGMENTATION UNITS TO ENTER DIVISION HF RADIO CALL NET", 10 FEB 56 (S.D. 112/9).

SECRET

0472

SECRET

36

ACCORDINGLY, THE AUGMENTATION UNITS RECEIVED MUCH TRAINING DURING THIS PERIOD -- AS IN THE PAST -- AND A WATCHFUL EYE WAS CAST IN THEIR DIRECTION. FROM THIS AROSE SUGGESTIONS FROM WHICH A MORE POLISHED PROFICIENCY COULD BE THE ULTIMATE GOAL. ALTHOUGH MAINTAINING AN ALERT STATUS, THERE WAS STILL MUCH TO BE DESIRED FROM THESE UNITS WHEN THEIR NUMBERS WERE TAKEN INTO CONSIDERATION. GENERAL ISRAEL SUGGESTED THAT MEMBERS OF THE RESERVE ORGANIZATIONS

-
- 113/ 1. LTR, 32D ADIV TO 101ST FIW, "RECOMMENDATIONS FOR THE 1956 GENERAL FIELD TRAINING PLAN", 6 FEB 56 (S.D. 113/1).
 2. LTR, 32D ADIV TO 89TH FBW, "RECOMMENDATIONS FOR THE 1956 ACTIVE DUTY TRAINING SCHEDULE", 6 FEB 56 (S.D. 113/2).
 3. LTR, 32D ADIV TO 107TH FIW, "RECOMMENDATIONS FOR THE 1956 GENERAL FIELD TRAINING PLAN", 6 FEB 56 (S.D. 113/3).
 4. LTR, 32D ADIV TO 445TH FBW, "RECOMMENDATIONS FOR THE 1956 ACTIVE DUTY TRAINING SCHEDULE", 6 FEB 56 (S.D. 113/4).
 5. LTR, 32D ADIV TO 102D FIW, "RECOMMENDATIONS FOR THE 1956 GENERAL TRAINING PLAN", 6 FEB 56 (S.D. 113/5).
 6. LTR, 32D ADIV TO 14TH FG, "ADVISORY TEAM FOR THE 107TH FIGHTER INTERCEPTOR WING (ANG) 1956 SUMMER ENCAMPMENT", 17 APR 56 (S.D. 113/6).
 7. LTR, 32D ADIV TO 23RD FG, "ADVISORY TEAM FOR THE 101ST FIGHTER INTERCEPTOR WING (ANG) 1956 SUMMER ENCAMPMENT", 23 APR 56 (S.D. 113/7).
 8. TTX, ACFOOT-FO 06070, 32D ADIV TO 23RD FG & 49TH FIS, 11 JUN 56 (S.D. 113/8).
 9. TTX, ACFOOT-FO 06114, 32D ADIV TO 14TH FG, 18 JUN 56 (S.D. 113/9).

114. (ON NEXT PAGE.)

SECRET

0473

SECRET

87

WHO WERE MORE ACTIVE THAN OTHERS SHOULD BE ASSIGNED TO ONE
 UNIT. ¹¹⁵ BY ACCOMPLISHING THIS, A "HARD CORE" OF SPECIALISTS
 COULD THEN MAINTAIN AN APPRECIABLY GREATER DEGREE OF AIR
 DEFENSE PROFICIENCY. THOSE PILOTS QUALIFIED COULD MAKE
 INTERCEPTS UNDER IFR CONDITIONS, AND STILL SCRAMBLE AND
 RECOVER ACCORDING TO THEIR INSTRUMENT RATINGS. ¹¹⁶

REGARDLESS OF THE PROFICIENCY STATUS OF THE AUGMEN-
 TATION UNITS, THEY WERE STILL ACCEPTED AS AN INTEGRAL PART
 OF THE AIR DEFENSE SYSTEM. ¹¹⁷ THEIR PARTICIPATION IN AIR

-
- 114/ 1. TWX, ACFOOT-FO 02034, 32D ADIV TO APPLICABLE
 UNITS, 9 FEB 56 (S.D. 114/1).
 2. LTR & IND, 138TH FIS TO 32D ADIV, "HOURS OF
 ALERT FOR THE AIR NATIONAL GUARD ALERT PROGRAM",
 25 FEB 56 (S.D. 114/2).
 3. LTR, 32D ADIV TO 23RD FG, "AIR NATIONAL GUARD
 ALERT PLAN", 30 APR 56 (S.D. 114/3).
 4. TWX, ACFOOT-FO 06163, 32D ADIV TO 132D & 133D
 FIS, 26 JUN 56 (S.D. 114/4).
 5. TWX, ACFOOT-FO 06175, 32D ADIV TO 23RD FG &
 132D FIS, 26 JUN 56 (S.D. 114/5).
115. LTR, GEN ISRAEL TO EADF, "AIR DEFENSE CAPABILITY OF
 AIR FORCE RESERVE FIGHTER UNITS", 9 MAR 56 (S.D. 115).
116. IBID.
- 117/ 1. TWX, ACFOOT-FO 01010, 32D ADIV TO EADF, 4 JAN 56
 (S.D. 117/1).
 2. TWX, ACFOOT-FO 01013, 32D ADIV TO ALL AUGMENTATION
 UNITS, 4 JAN 56 (S.D. 117/2).
 (CONT'D ON NEXT PAGE.)

SECRET

0474

SECRET

88

DEFENSE EXERCISES WAS ENCOURAGED, AND ACCURATE TABULATIONS
WERE MAINTAINED AS TO THEIR COMBAT READINESS.

118

117/ (CONT'D FROM PRECEDING PAGE).

3. TWX, ACFOOT-FO 02035, 32D ADIV TO EADF, 9 FEB 56 (s.d. 117/3).
4. TWX, ACFOOT-A 05022, 32D ADIV TO 654TH & 764TH AC&W Sqs, 3 MAY 56 (s.d. 117/4).
5. LTR, 32D ADIV TO EADF, "AUGMENTATION OF AIR DIVISIONS (DEFENSE) BY AIR NATIONAL GUARD RADAR", 18 MAY 56 (s.d. 117/5).

ONE SQUADRON -- THE 133RD -- RECEIVED PRAISE FOR THEIR PROFICIENCY AS DEMONSTRATED DURING ARMED FORCES DAY EXERCISES AT BRUNSWICK NAS.

6. LTR & INCL, 654TH AC&W Sq TO 133RD FIS, "LETTER OF APPRECIATION", 25 MAY 56 (s.d. 117/6).

- 118/
1. TWX, ACFNAV 342, 32D ADIV TO APPLICABLE NAS, 5 JUL 56 (s.d. 118/1).
 2. LTR & INCL, 32D ADIV TO ADC, "CONSOLIDATION OF AIR NATIONAL GUARD OPERATIONAL READINESS REPORTS (RCS: 1-AF-ANG-V1)", 23 JAN 56 (s.d. 118/2).
 3. LTR & INCL, 32D ADIV TO ADC, "CONSOLIDATION OF AIR NATIONAL GUARD OPERATIONAL READINESS REPORTS (RCS: 1-AF-ANG-V1)", 17 APR 56 (s.d. 118/3).

SECRET

0475

SECRET

CHAPTER FIVE: OPERATIONAL PROCEDURE

IF THERE IS ONE WORD THAT WOULD APTLY FIT THE ENTIRE CONCEPT OF AIR DEFENSE OPERATIONS, THAT WORD IS KALEIDOSCOPIC. THE PRISMS, OR THE BASIC ELEMENTS OF OPERATIONAL PROCEDURE, WERE EVERYWHERE EVIDENT, BUT SUBJECT TO CHANGE. THIS CAN BE ATTRIBUTED TO A NUMBER OF FACTORS, MOST IMPORTANT OF WHICH IS THE FACT THAT THE AIR DEFENSE COMMAND IS AN ORGANIZATION STILL IN ITS YOUTH. THE DEMANDS IMPOSED UPON IT ARE OUTSTRIPPING ITS CAPABILITY. ONLY THROUGH THE MODIFICATION OF ITS WEAPONS, REGULATIONS, AND OPERATIONS PROCEDURE (OR THE INTRODUCTION OF NEW ONES) CAN SOME TOKEN ACHIEVEMENT BE REALIZED WHICH CAN BRING ITS CAPABILITY UP TO PRESENT-DAY DEMANDS.

By

SECRET

0476

SECRET

30

AND, AS COULD BE EXPECTED, THIS PERIOD WAS NO EXCEPTION TO THE RULE, FOR IT WITNESSED CONSIDERABLE CHANGE IN SOME ELEMENTS OF COMBAT OPERATIONS. THE BASICS STOOD FIRM THROUGHOUT THIS EVOLVING PROCESS. PRINCIPLES WERE REFINED, AND REFINED AGAIN. THE END RESULT AT THE CLOSE OF THE PERIOD WAS PERHAPS THE MOST COMPREHENSIVE, COORDINATED AGENCY FOR AIR SURVEILLANCE AND CONTROL THAT HAS BEEN WITNESSED TO DATE.

VIRTUALLY EVERY AGENCY WITHIN THE JURISDICTION OF THE GOVERNMENT WAS INVOLVED TO SOME DEGREE IN POLISHING THE MANY FACETS OF AIR DEFENSE. FORGETTING FOR THE MOMENT THE ACTUAL WEAPONS OF AIR DEFENSE, THERE WERE OTHER ASPECTS WHICH WERE SINGULARLY IMPORTANT WHEN TAKEN IN THE LIGHT OF THE AIR CONTROLLING CAPABILITY OVER THE ENTIRE AIR SURVEILLANCE SITUATION. PARAMOUNT OF THESE IS THE PRECISE COORDINATION EFFECTED BETWEEN THE CIVIL AERONAUTICS ADMINISTRATION, ITS AIR TRAFFIC CONTROL CENTERS, AND THE UNITED STATES AIR FORCE, AND ITS REPRESENTATIVE, THE AIR DEFENSE COMMAND. PURSUING THIS FURTHER, ADC WAS THE ONE AGENCY WITHIN USAF WHICH WAS RESPONSIBLE FOR EFFECTING THE CLOSE COORDINATION BETWEEN IT AND THE CAA. THE AIRPLANES WERE AS INFESTED AS

113. (ON NEXT PAGE.)

SECRET

0477

SECRET

91

THE HIGHWAYS -- SPACE HAD BECOME A PREMIUM DEMAND, BOTH IN TERMS OF FLIGHT SAFETY AND THE NORMAL OCCUPATIONAL HAZARDS OF PERFORMING AIR DEFENSE COMMITMENTS. SUMMARIZING, THE ENTIRE PROSPECTUS HAD ONE MOTIVE; COORDINATE ADC AND USAF GROUND RADARS AND OTHER NAVIGATIONAL AIDS WITH NORMAL AIR TRAFFIC, WITHOUT JEOPARDIZING THE PRIMARY MISSION OF ADC.¹²⁰

FOLLOWING IN THE FOOTSTEPS OF THIS POLICY WAS FURTHER DECENTRALIZATION OF ADC AND ITS SUBORDINATE UNITS. IN ESSENCE, GENERAL PARTRIDGE INSISTED THAT THE VARIOUS SUBORDINATE LEVELS OF COMMAND UNDER ADC ASSUME THE CONTROL AND SUPERVISION OF RESPONSIBILITIES AT THE LOWEST PRACTICABLE LEVEL.¹²¹ BY SO DOING THIS, IT WAS HOPED THAT THERE WOULD

119. LTR, INCL. & INDS, ADC TO EADF, "USAF POLICY, INTEGRATION OF AIR DEFENSE AND CIVIL AERONAUTICS ADMINISTRATION AIR TRAFFIC CONTROL", 4 APR 56 (S.D. 119).

120. THE MORE RECENT GRAND CANYON TRAGEDY OF THE COLLISION OF TWO COMMERCIAL AIRLINERS HAS RECENTLY GOADED GOVERNMENT AGENCIES TO STOP WALLOWING IN THE PETTY BUREAUCRACY THAT HAS CONSISTENTLY PLAGUED BOTH AIR FORCE RESEARCH AND DEVELOPMENT AND CIVIL FLIGHT SAFETY.

121. 32D ADV STAFF MEETING MINUTES, 4 MAY 56 (S.D. 121).

(DISCUSSION OF A LETTER BY GENERAL PARTRIDGE TO EADF ON DECENTRALIZATION).

SECRET

0478

SECRET

72

ACTUALLY BE A MORE CONCERTED COORDINATION OF OPERATIONAL AND ADMINISTRATIVE PRACTICES. THE THEME OF DECENTRALIZATION WAS FURTHER ECHOED BY THIS HEADQUARTERS, IT SENDING SUGGESTIONS TO EADF CONCERNING ORGANIZATION AND MANPOWER UTILIZATION.¹²²

HOWEVER, WHAT THE PERIOD HAD WITNESSED WAS A NOTICEABLE REFINEMENT IN AIR DEFENSE THINKING. DECENTRALIZATION HAD ALWAYS BEEN THE BASIS OF ACTUAL AIR DEFENSE; BUT NOW IT HAD REACHED ITS FARTHEST POINT TO DATE, AND IT WAS ALL-ENCOMPASSING IN SCOPE. IT HAD NOT STRETCHED COMMAND LINES, AS DECENTRALIZATION MIGHT SUGGEST; IT HAD MERELY STRENGTHENED ADC AS A WHOLE, AND THE VARIOUS ORGANIZATIONS WHICH CONSTITUTED THE WHOLE.

AIR DEFENSE OPERATIONS

IT IS THE POLICY OF THIS COMMAND ^{AD7} THAT AIR DEFENSE OPERATIONS MUST BE CARRIED OUT CONTINUOUSLY AND THAT THE SYSTEM MUST BE CAPABLE OF BEING BROUGHT TO FULL EFFECTIVENESS ON SHORT NOTICE TO MEET ANY THREAT OF HOSTILE ATTACK. THE IMPLEMENTATION OF THIS POLICY REQUIRES THE COOPERATION OF EVERY INDIVIDUAL IN THE COMMAND.

IN THE CASE OF AIR FIELDS, IT IS NECESSARY THAT THE FIELDS REMAIN FULLY OPERATIONAL AT ALL TIMES.

122. LTR: COL O NEILL TO EADF, "DECENTRALIZATION", 3 JUL 56 (S.D. 122)

SECRET

0479

SECRET

23

EVERY RESOURCE AT THE DISPOSAL OF THE COMMAND WILL BE BROUGHT TO BEAR WHERE NEEDED TO ACCOMPLISH THIS OBJECTIVE.¹²³

THE CRITERIA FOR ACTIVE AIR DEFENSE OPERATIONS WERE STRICT. THE PERIOD UNDER STUDY WITNESSED NO SPECIFIC CHANGE TO PREVIOUSLY ESTABLISHED CONCEPTS. THE CONCEPTS WERE MORE STRINGENT IN FACT, AND PERHAPS MORE DEMANDING. AIR DEFENSE WAS TIGHTENING, AND BECOMING MORE COHESIVE. ALTHOUGH STILL BURDENED WITH SOME TOOLS OF WAR THAT NEEDED REPLACEMENT THE YOUTHFUL FIGHTING FORCE HAD GAINED CONSIDERABLE GROUND.

OPERATIONALLY READY AIRCRAFT WERE CONSIDERED ONLY THOSE PLANES WHICH COULD IMMEDIATELY FULFILL THE MISSION FOR WHICH THEY WERE INTENDED.¹²⁴ PER USUAL, PRESQUE ISLE HAD ITS OWN TROUBLES DURING THE WINTER MONTHS, AS IT HAD CONSIDERABLE TROUBLE IN MEETING THIS STANDARD. THE MISERABLE WEATHER (FREEZING RAIN AND MANY FEET OF SNOW) AND

-
- 123/ 1. LTR & INDS, GEN SMITH TO APPLICABLE COMMANDS, "POLICY, OPERATIONAL READINESS", 7 APR 56 (S.D. 123/1)
 2. 32D AD V STAFF MEETING MINUTES, 3 MAY 56 (S.D. 123/2).
- 124/ 1. TMX, ACFOOT-FO 02071, 32D AD V TO APPLICABLE UNITS, 16 FEB 56 (S.D. 124/1).
 2. TMX, ACFOOT-FO 01043, 32D AD V TO GROUP "TA", 10 JAN 56 (S.D. 124/2).

SECRET

0480

SECRET

34

RELATIVELY FEW AIRCRAFT SHELTERS TAXED MAINTENANCE AND OPERATIONS PERSONNEL TO THE LIMIT.¹²⁵ ALTHOUGH SCHEDULED FOR MORE AIRCRAFT SHELTERS, PRESQUE ISLE VOICED GREAT CONCERN FOR INTERIM SHELTERS. THIS HEADQUARTERS LIKEWISE ITERATED THE PLEA, EVEN THOUGH PRESQUE ISLE WAS SCHEDULED TO BE EQUIPPED WITH PERMANENT TYPE SHELTERS AT A LATER DATE.¹²⁶

THE URGENCY IN THIS MATTER IS QUICKLY DEMONSTRATED BY THE MERE FACT THAT SHOULD ACTUAL ATTACK BE IMPENDING, EVERY AVAILABLE INTERCEPTOR WILL HAVE TO BE OPERATIONALLY READY. NOT WITHSTANDING THE FACT THAT THE AIRCRAFT ARE PARTICULARLY DIFFICULT TO SERVICE AND ARM (MINIMUM OF TWELVE TO TWENTY MINUTES, UNDER OPTIMUM CONDITIONS) ANY INCLEMENT WEATHER CAN ONLY COMPLICATE THINGS FURTHER.

TOO, ONCE AIRBORNE, EVERY CONSIDERATION HAD TO BE GIVEN TO RECOVERING AND RESERVING THE AIRCRAFT. ADC MANUAL 55-5, "FIGHTER TACTICS", COVERS THE ACTUAL PHASE OF THE INTERCEPT; BUT IT CANNOT BE PRESUPPOSED THAT THE AIRCRAFT HAS ACHIEVED ITS PURPOSE IN ACCOMPLISHING ONE

125. LTR & IND, 23D FG TO 32D ADV, "OPERATIONAL READINESS", 11 JUN 56 (S.D. 125).

126. IBID. IND.

SECRET

0481

SECRET

95

INTERCEPT -- ALTHOUGH STATISTICALLY THIS WOULD BE A BOON,
THESE AIRCRAFT MUST BE READY TO FLY AGAIN.

ASIDE FROM THE REFINEMENT OF DAILY FLIGHT ROUTINE,
OTHER EVENTS OCCURRED WHICH PURPOSELY HOPED TO EVEN THE
CHANCES IN TIME OF CONFLICT. ¹²⁷ THESE EVENTS WERE FURTHER
CHANGES IN SCRAMBLE AND RECOVERY PROCEDURES, ONE OF THE
MAJOR FACTORS WHICH CAN PREDETERMINE THE SUCCESS IN AN
ACTIVE AIR DEFENSE MISSION. ¹²⁸ OF COURSE, THE CAA EXER-
CISED STRICT CONTROL OVER SUCH PROCEDURES. THOSE CIVILIAN

-
- 127/ 1. LTR & INDS, ADC TO EADF, "MODIFIED OPERATION
OF MARK X IFF", 14 DEC 55 (S.D. 127/1).
2. TMX, ACFOOT-FO 01037, 32D ADIV TO ALL APPLI-
CABLE SQUADRONS, 6 JAN 56 (S.D. 127/2).
3. LTR, GEN ISRAEL TO 4707TH & 4711TH ADI'S, "CAA
REPORTING AND RADAR FLIGHT MONITORING",
16 FEB 56 (S.D. 127/3).
4. LTR, GEN ISRAEL TO 4707TH ADI, "AIR ROUTE
TRAFFIC CONTROL CENTER INCIDENT REPORTS",
20 FEB 56 (S.D. 127/4).
5. TMX, ACFOOT-A 03041, 32D ADIV TO ALL UNITS,
7 MAR 56 (S.D. 127/5).
6. LTR, INCL, & IND, EADF TO 32D ADIV, "DIRECT
PILOT/CENTER CALL PROCEDURE", 1 MAR 56
(S.D. 127/6).
7. LTR & INDS, ADC TO EADF, "(UNCLASSIFIED) PRO-
JECT "ORK HORSE", UNDATED (S.D. 127/7).
8. LTR, INCL & IND, ADC TO APPLICABLE UNITS,
"HANDLING OF DVFR FLIGHT PLANS WITH CAA TOWERS
AT JOINT USE AIRPORTS", 30 APR 56 (S.D. 127/8).
9. TMX, ACFOOT-FO 05110, 32D ADIV TO 14TH & 23D
FGS, 17 MAY 56 (S.D. 127/9).

128. (ON NEXT PAGE.)

SECRET

0482

SECRET

96

AIRPORTS WHERE ADC INTERCEPTOR UNITS WERE STATIONED WERE PERHAPS OF GREATER CONCERN TO THE CAA, FOR SCRAMBLE PROCEDURES NATURALLY COULD -- AND SOMETIMES DID -- INTERFERE WITH COMMERCIAL SCHEDULES.

THE FLEXIBILITY THAT WAS BEING REALIZED FOR FIGHTER-INTERCEPTOR OPERATIONS ENCHANCED THE OVERALL POTENTIAL AIR DEFENSE. AS WAS SEEN EARLIER, ALL ADC BASES, REGARDLESS OF LOCATION (AIR FORCE BASE OR CIVILIAN AIRPORT) WERE TO HAVE RESERVICE CAPABILITY FOR ALL TYPES OF INTERCEPTORS PRESENTLY WITHIN THAT COMMAND AREA. THIS, AND

-
- 128/ 1. LTR & INDS, ADC TO APPLICABLE UNITS, "CONAD-CAA AGREEMENT FOR FIGHTER/INTERCEPTOR OPERATIONS", 3 JAN 56 (S.D. 128/1).
2. LTR, & INCL, 32D ADIV TO RECIPIENTS OF 32D AD(D)/ESF/CAA Ops AGREEMENT, "AMENDMENT No. 16 TO 32D AD(D)/ESF/CAA OPERATIONS AGREEMENT - SCRAMBLE AND RECOVERY PROCEDURES FOR ACTIVE AIR DEFENSE MISSIONS - 32D AIR DIVISION (DEF) SECTOR, DATED 1 AUGUST 1954", 12 JAN 56 (S.D. 128/2).
3. LTR, 32D ADIV TO RECIPIENTS OF 32D AD(D)/ESF/CAA Ops AGREEMENT, "AMENDMENT No. 17 TO 32D AD(D)/ESF/CAA OPERATIONS AGREEMENT - SCRAMBLE AND RECOVERY PROCEDURES FOR ACTIVE AIR DEFENSE MISSIONS - 32D AIR DIVISION (DEFENSE) SECTOR, DATED 1 AUGUST 1954", 25 JAN 56 (S.D. 128/3).
4. LTR & IND, 14TH FG TO 32D ADIV, "AMENDMENT TO CONAD/CAA AGREEMENT FOR FIGHTER INTERCEPTOR OPERATIONS (AFIO)", UNDATED (S.D. 128/4).

SECRET

0483

SECRET

97

THE COMPLETE INTEGRATION OF SCRAMBLE AND RECOVERY PROCEDURES FOR ALL BASES AS OUTLINED BY CAA GAVE FURTHER
129
DECENTRALIZATION, WITH FLEXIBILITY OF CONTROL.

YOU ARE AUTHORIZED TO DEVELOP SCRAMBLE AND RECOVERY PROCEDURES FOR ALL AIRPORTS OR BASES AT WHICH CONAD UNITS ARE PRESENTLY LOCATED. IN ADDITION, ANNEXES SHOULD BE PREPARED FOR THESE CONAD BASES AND ANG LOCATIONS FOR WHICH SCRAMBLE AND RECOVERY PROCEDURES WERE DEVELOPED PRIOR TO DECEMBER 1.

ONE OF THE FINAL STEPS TAKEN TO INSURE AN INCREASED EFFECTIVENESS WAS THE INTRODUCTION OF A NEW TRAFFIC LANDING PATTERN FOR ADC AIRCRAFT.
130
ITS BENEFITS WERE FOUR-FOLD: A MINIMUM TIME IN THE PATTERN, MINIMUM RADIO TRANSMISSION, AND FUEL CONSERVATION, THE LATTER GIVING
131
A SLIGHT BOOST TO THE COMBAT RANGE FACTOR. THIS CHANGE IN PROCEDURE OCCURRED SIMULTANEOUSLY WITH THE ORGANIZATIONAL AND SECTOR CHANGE OF MARCH 1.

129. ADDENDA No. 1, 32D AF10, 1 MAY 56 (s.d. 129).

- 130/
1. TMX, ACFOOT-FO 02145, 32D ADIV TO APPLICABLE UNITS, 29 FEB 56 (s.d. 130/1).
 2. LTR, INCL, & IND, ADC TO ALL APPLICABLE UNITS, "LANDING PATTERN", 1 MAR 56 (s.d. 130/2).
 3. TMX, ACFOOT-FO 06208, 32D ADIV TO APPLICABLE UNITS, 29 JUN 56 (s.d. 130/3).
 4. TMX, ACFOOT-FO 06156, 32D ADIV TO 14TH & 23D FGs, 25 JUN 56 (s.d. 130/4).

131. TMX, ACFOOT-FO 04167, 32D ADIV TO APPLICABLE UNITS, 30 APR 56 (s.d. 131).

SECRET

0484

SECRET

98

THE BASIC ASPECTS OF AIR DEFENSE -- ALERT, SCRAMBLE, AND RECOVERY -- ARE RELATIVELY SIMPLE WHEN TAKEN IN THE BROAD SCOPE OF THE ENTIRE AIR DEFENSE PICTURE. BUT THEIR INTEGRATION INTO THE DEFENSE NETWORK AS A WHOLE HAS BEEN A FASCINATING PROCESS. THE COORDINATED EFFORTS OF OTHER AGENCIES, SUPPORT, AUGMENTATION, AND THE ARMY AND NAVY, HAS DELIVERED A SUBSTANTIALLY POTENT DEFENSIVE FIGHTING FORCE. DELICATELY BALANCED UPON CONAD, THEN, IS THE ENTIRE CONCEPT OF JOINT OPERATIONS.

THE PRIME RESPONSIBILITIES OF THE AIR FORCE IN DEFENSE CAN BE SUMMED UP IN TERMS OF ITS INTERCEPTORS, RADARS, AND CONTROLLING AGENCY, THE AIR DEFENSE COMMAND. THE NAVY IS DIRECTING ITS EFFORTS TOWARD THE EXTENSION OF THE SEAWARD EARLY WARNING ZONE AND THE TREMENDOUS RESPONSIBILITY OF ANTISUBMARINE WARFARE. THE ARMY HAS CONFINED ITSELF TO THE POINT DEFENSE OF CRITICAL TARGET AREAS, USING AS ITS CHIEF WEAPON ITS ANTIAIRCRAFT COMMAND, AND ASSOCIATED WEAPONS.

THUS, EFFECTIVENESS, MEASURED BY THE ACTUAL COMBAT CAPABILITY OF THESE THREE COMPONENTS, HAS BEEN THE PRIME RESPONSIBILITY OF CONAD. THE JOINT ASPECTS OF AIR DEFENSE HAVE BEEN CARRIED THROUGH TO AIR DIVISION (DEFENSE)

SECRET

0485

SECRET

99

HEADQUARTERS, IN EFFECT CARRYING THE CONCEPT OF CONAD TO A COMMAND LEVEL COMMENSURATE WITH THE MISSION OF AIR DEFENSE. IN CONSONANCE WITH THE JOINT CONCEPT OF AIR DEFENSE WAS THE EFFORTS OF THE VARIOUS CIVIL AGENCIES, WHICH EFFECT MANY OF THE BASIC POLICIES AFFECTING AIR DEFENSE AND CIVIL DEFENSE PROCEDURES. CONELRAD AND SCATER PLANS WERE INDICATIVE OF THIS.

ANY ANTICIPATED SUCCESS OF THE AIR DEFENSE COMMAND TO FULFILL ITS MISSION CAN NEVER BE MEASURED ACCURATELY. ONLY THROUGH THE COORDINATED EFFORTS OF THE VARIOUS AGENCIES DIRECTLY AND INDIRECTLY CONCERNED WITH THE PRODUCT OF THIS AGE CAN SOME INKLING OF ITS POTENTIAL BE ASCERTAINED. THIS NATURALLY INCLUDES EFFORTS SPENT IN MISSIONS, EXERCISES, AND OPERATIONAL SUITABILITY TESTS. GIVEN A FEW MORE YEARS IN PREPARATION, TRAINING, AND EQUIPPING WITH MORE EFFICIENT WEAPONS, THE AIR DEFENSE COMMAND WILL GAIN CONSIDERABLE GROUND. AT THE PRESENT, THERE ARE TOO MANY UNSTABLE FACTORS, WHICH, BECAUSE OF THE LACK OF ADEQUATE TRAINING, APPROPRIATIONS, AND WEAPONS, NEGATE A REAL CERTAINTY AS TO COMBAT EFFECTIVENESS. THE INTRODUCTION OF THE SAGE SYSTEM, AUGMENTED BY NEWER, MORE EFFICIENT WEAPONS, WILL ANSWER MANY OF THESE QUESTIONS.

SECRET

0486

SECRET

APPENDIX "A": ORGANIZATIONAL TRANSITIONS

THE PERIOD UNDER STUDY WITNESSED RELATIVELY FEW CHANGES WITHIN MANNING OF THE VARIOUS STAFF POSITIONS WITHIN HEADQUARTERS, 32D AIR DIVISION (DEFENSE). BRIGADIER GENERAL ROBERT S. ISRAEL, JR., REMAINED IN COMMAND OF THE DIVISION.

COLONEL BRIAN O'NEILL, THE DIVISION VICE COMMANDER, ACTED IN THE CAPACITY OF COMMANDER DURING TWO ABSENCES OF GENERAL ISRAEL. COLONEL WILLIAM W. INGENHUTT, REMAINED AS

-
- 132/ 1. 32D ADIV GO 3, 12 FEB 56 (S.D. 132/1).
2. 32D ADIV GO 5, 19 MAR 56 (S.D. 132/2).
3. 32D ADIV GO 6, 23 MAR 56 (S.D. 132/3).

SECRET

0487

SECRET

101

DEPUTY FOR OPERATIONS, ACTING AS VICE COMMANDER ON ONE
¹³³
 OCCASION.

LT. COLONEL JAMES K. LOVETTE WAS APPOINTED TO THE
¹³⁴
 POSITION OF INSPECTOR GENERAL FOR THE DIVISION. LT. COLO-
 NEL FRANK C. ANGUS, DETACHMENT 16, 12TH WEATHER SQUADRON,
¹³⁵
 ASSUMED THE CAPACITY OF STAFF WEATHER OFFICER.

TEMPORARY ABSENCES OF OTHER STAFF OFFICERS REFLECTED
 OTHER MINOR CHANGES WITHIN THE DIVISION STAFF. CAPTAIN
 MEREDITH REEVES WAS TEMPORARILY APPOINTED TO THE POSITION
 OF ACTING DEPUTY FOR PERSONNEL, DURING AN ABSENCE OF LT.
¹³⁶
 COLONEL FRANK L. FENN. LIEUTENANTS FRANKLIN W. MYERS AND
 DONALD QUINN WERE RESPECTIVELY ASSIGNED ADDITIONAL DUTIES
 AS A DE-DE-CAMP TO GENERAL ISRAEL AND ACTING DIVISION COMP-
¹³⁷
 TROLLER. THEY TEMPORARILY REPLACED VACANT POSITIONS LEFT
 BY LIEUTENANT CHARLES B. WEIR AND CAPTAIN GUY H. FOSTER.

133. 32D ADIV GO 2, 13 JAN 56 (S.D. 133).

134. 32D ADIV GO 1, 11 JAN 56 (S.D. 134).

135. 32D ADIV GO 10, 6 JUN 56 (S.D. 135).

136. 32D ADIV GO 12, 20 JUN 56 (S.D. 136).

137/ 1. 32D ADIV GO B, 13 APR 56 (S.D. 137/1).
 2. 32D ADIV GO 12, 20 JUN 56 (S.D. 136).

SECRET

0488

SECRET

APPENDIX "B": MISSIONS AND EXERCISES

THE ELEMENT OF TIME HAS SUBSTANTIALLY REDUCED THE SCOPE OF THIS HISTORICAL REPORT; AS A RESULT, THE CHAPTER DEALING WITH THE VARIOUS MISSIONS AND EXERCISES HAS BEEN DELETED. FOR THE PURPOSES OF FURTHER RESEARCH AND CONVENIENCE, THE FOLLOWING IS A LIST OF DOCUMENTS WHICH ARE DIRECTLY CONCERNED WITH MISSIONS AND EXERCISES IN WHICH THIS DIVISION PARTICIPATED. THIS LIST HAS NOT BEEN INCORPORATED IN THE INDEX TO SUPPORTING DOCUMENTS; THE NUMBERING OF THESE DOCUMENTS CONTINUES IN ORDER FROM THE LAST FOOTNOTE IN APPENDIX "A". ALL DOCUMENTS LISTED HEREAFTER ARE TO BE FOUND IN VOLUME VI, SUPPORTING DOCUMENTS.

SEE NEXT PAGE FOR LIST OF SUPPORTING DOCUMENTS.

102

SECRET

0489

SECRET

103

COMMAND POST EXERCISES -- "BIG "HEEL" AND "DOUBLE CROSS"

- 138. LTR, 32D ADIV TO 101ST FIV, "JEADF COMMAND POST EXERCISE "BIG "HEEL"", 12 JAN 56 (S.D. 138).
- 139. LTR, 32D ADIV TO 101ST FIV, "JEADF COMMAND POST EXERCISE "BIG "HEEL"", 31 JAN 56 (S.D. 139).
- 140. LTR, 32D ADIV TO 107TH FIV, "JEADF COMMAND POST EXERCISE "BIG "HEEL"", 12 JAN 56 (S.D. 140).
- 141. LTR, 32D ADIV TO 107TH FIV, "JEADF COMMAND POST EXERCISE "BIG "HEEL"", 31 JAN 56 (S.D. 141).
- 142. LTR, 32D ADIV TO APPLICABLE UNITS, "CPX "BIG "HEEL"", 13 JAN 56 (S.D. 142).
- 143. LTR, 32D ADIV TO EADF, "CPX "BIG "HEEL"", 6 FEB 56 (S.D. 143).
- 144. LTR, 32D ADIV TO 101ST FIV, "JEADF COMMAND POST EXERCISE "BIG "HEEL"", 6 MAR 56 (S.D. 144).
- 145. 32D ADIV Ops ORDER 1-56, 22 MAR 56 (S.D. 145).
- 146. LTR, 32D ADIV TO 1ST AA REG COM, "CPX "BIG "HEEL"", 30 MAR 56 (S.D. 146).
- 147. DF, LT. COL SHELTON TO APPLICABLE OFFICES, "CPX "BIG "HEEL"", 2 APR 56 (S.D. 147).
- 148. LTR, 32D ADIV TO 53RD AAA BRIGADE, "CPX "BIG "HEEL"", 4 APR 56 (S.D. 148).
- 149. LTR, 32D ADIV TO JEADF, "SUMMARY OF CPX "BIG "HEEL"", 20 APR 56 (S.D. 149).
- 150. 32D ADIV STAFF MEETING MINUTES, 1 MAY 56 (S.D. 150).
- 151. 32D ADIV STAFF MEETING MINUTES, 2 MAY 56 (S.D. 151).
- 152. 32D ADIV STAFF MEETING MINUTES, 7 MAY 56 (S.D. 152).

SECRET

0490

SECRET

104

- 153. TTX, ACFOOT-A 05058, 32D ADIV TO EADF ADIVS, 10 MAY 56 (S.D. 153).
- 154. 32D ADIV STAFF MEETING MINUTES, 23 MAY 56 (S.D. 154).
- 155. LTR, 32D ADIV TO JEADF, "CPX "DOUBLE CROSS"", UNDATED (CA. 27 MAY 56) (S.D. 155).
- 156. TTX, ACFOOT-A 06108, 32D ADIV TO APPLICABLE ADIVS, 15 JUN 56 (S.D. 156).
- 157. TTX, ACFOOT-A 06109, 32D ADIV TO APPLICABLE ADIVS, 18 JUN 56 (S.D. 157).

POGO STICK AND THINKFAST EXERCISES

- 158. LTR, 32D ADIV TO 37TH FIS, "POGO STICK 18", 7 FEB 56 (S.D. 158).
- 159. 32D ADIV OPS ORDER 3-56, 24 JAN 56 (S.D. 159).
- 160. 32D ADIV OPS ORDER 11-56, 7 MAR 56 (S.D. 160).
- 161. TTX, ACFOOT-FO 03087, 32D ADIV TO 23D FG, 16 MAR 56 (S.D. 161).
- 162. LTR & IND, 766TH AC&W SQ TO 32D ADIV, "REPORT ON EXERCISE "POGO STICK" ON 20 MARCH 1956", 22 MAR 56 (S.D. 162).
- 163. 32D ADIV OPS ORDER 15-56, 5 APR 56 (S.D. 163).
- 164. 32D ADIV OPS ORDER 21-56, 31 MAY 56 (S.D. 164).
- 165. TTX, ACFOOT-A 03048, 32D ADIV TO APPLICABLE UNITS, 8 MAR 56 (S.D. 165).
- 166. TTX, ACFOOT-A 03106, 32D ADIV TO 654TH AC&W SQ, 20 MAR 56 (S.D. 166).
- 167. LTR, 32D ADIV TO EADF, "REPORT OF EXERCISE "THINKFAST 20"", 10 APR 56 (S.D. 167).

SECRET

0491

SECRET

105

SAC MISSIONS

168. TTX, ACFOOT-FO 01017, 32D ADIV TO EADF, 6 JAN 56 (S.D. 168).
169. TTX, ACFOOT-A 01093, 32D ADIV TO GROUP "TA", 16 JAN 56 (S.D. 169).
170. TTX, ACFOOT-A 01202, 32D ADIV TO GROUP "TA", 3 FEB 56 (S.D. 170).
171. TTX, ACFOOT-FO 02052, 32D ADIV TO APPLICABLE UNITS, 13 FEB 56 (S.D. 171).
172. TTX, ACFOOT-FO 02050, 32D ADIV TO GROUP "TA", 13 FEB 56 (S.D. 172).
173. TTX, ACFOOT-FO 02065, 32D ADIV TO GROUP "TA", 15 FEB 56 (S.D. 173).
174. TTX, ACFOOT-FO 02106, 32D ADIV TO GROUP "TA", 23 FEB 56 (S.D. 174).
175. TTX, ACFOOT-FO 02114, 32D ADIV TO GROUP "TA", 24 FEB 56 (S.D. 175).
176. TTX, ACFOOT-A 03011, 32D ADIV TO APPLICABLE UNITS, 2 MAR 56 (S.D. 176).
177. TTX, ACFOOT-A 03027, 32D ADIV TO APPLICABLE UNITS, 5 MAR 56 (S.D. 177).
178. TTX, ACFOOT-FO 03039, 32D ADIV TO APPLICABLE UNITS, 7 MAR 56 (S.D. 178).
179. TTX, ACFOOT-FO 03054, 32D ADIV TO APPLICABLE UNITS, 7 MAR 56 (S.D. 179).
180. TTX, ACFOOT-FO 03049, 32D ADIV TO APPLICABLE UNITS, 7 MAR 56 (S.D. 180).
181. TTX, ACFOOT-A 03083, 32D ADIV TO APPLICABLE UNITS, 16 MAR 56 (S.D. 181).

SECRET

0492

SECRET

106

182. TTX, ACFOOT-A 03086, 32D ADIV TO APPLICABLE UNITS, 16 MAR 56 (S.D. 182).
183. TTX, ACFOOT-A 03100, 32D ADIV TO APPLICABLE UNITS, 19 MAR 56 (S.D. 183).
184. TTX, ACFOOT-FO 03124, 32D ADIV TO APPLICABLE UNITS, 26 MAR 56 (S.D. 184).
185. TTX, ACFOOT-A 04031, 32D ADIV TO APPLICABLE UNITS, 6 APR 56 (S.D. 185).
186. TTX, ACFOOT-FO 04048, 32D ADIV TO 27TH FIS & 655TH AC&I Sq, 9 APR 56 (S.D. 186).
187. TTX, ACFOOT-A 04115, 32D ADIV TO 765TH & 654TH AC&I Sqs, 20 APR 56 (S.D. 187).
188. TTX, ACFOOT-FO 04154, 32D ADIV TO APPLICABLE UNITS, 27 APR 56 (S.D. 188).
189. TTX, ACFOOT-FO 04165, 32D ADIV TO APPLICABLE UNITS, 30 APR 56 (S.D. 189).
190. TTX, ACFOOT-A 05159, 32D ADIV TO 764TH AC&I Sq, 28 MAY 56 (S.D. 190).
191. TTX, ACFOOT-A 06025, 32D ADIV TO 14TH & 23D FGs, 5 JUN 56 (S.D. 191).
192. TTX, ACFOOT-FO 06078, 32D ADIV TO APPLICABLE UNITS, 12 JUN 56 (S.D. 192).
193. TTX, ACFOOT-A 06092, 32D ADIV TO 654TH & 765TH AC&I Sqs, 14 JUN 56 (S.D. 193).
194. TTX, ACFOOT-FO 06123, 32D ADIV TO 14TH FG, 19 JUN 56 (S.D. 194).
195. TTX, ACFOOT-FO 06128, 32D ADIV TO APPLICABLE UNITS, 20 JUN 56 (S.D. 195).
196. TTX, ACFOOT-FO 06174, 32D ADIV TO APPLICABLE UNITS, 26 JUN 56 (S.D. 196).

SECRET

0493

SECRET

107

ECM MISSIONS AND TRAINING

197. LTR, INCL, & IND, EADF TO 32D ADIV, "(UNCLASSIFIED) STATUS OF ECM TRAINING PROGRAM", 3 JAN 56 (S.D. 197).
198. LTR, INCL, & IND, EADF TO 32D ADIV, "(UNCL) ECM OPERATIONAL BREVITY CODE", 23 JAN 56 (S.D. 198).
199. TTX, ACFOCE 02038, 32D ADIV TO 656TH & 764TH AC&W SQS, 10 FEB 56 (S.D. 199).
200. LTR, 32D ADIV TO 4713TH REF, "REPORT OF ELECTRONIC COUNTERMEASURES ACTIVITIES (RCS: ADC H-5 EADF-2)", 15 FEB 56 (S.D. 200).
201. TTX, ACFOCE 03113, 32D ADIV TO ALL APPLICABLE UNITS, 22 MAR 56 (S.D. 201).
202. LTR, 32D ADIV TO 764TH AC&W SQ, "ELECTRONIC COUNTERMEASURES", 26 MAR 56 (S.D. 202).
203. LTR & INCL, 32D ADIV TO APPLICABLE UNITS, "ECCM INTERCEPT TACTICS AGAINST ECM AND FAKER AIRCRAFT", 13 APR 56 (S.D. 203).
204. LTR, 32D ADIV TO EADF, "(UNCLASSIFIED) UNSCHEDULED ECM MISSION", 13 APR 56 (S.D. 204).
205. LTR, 32D ADIV TO 4713TH REF, "REPORT OF ELECTRONIC COUNTERMEASURES ACTIVITIES (RCS: ADC H-5 EADF-2)", 17 APR 56 (S.D. 205).
206. TTX, ACFOCE 04037, 32D ADIV TO 14TH & 23D FG, 18 APR 56 (S.D. 206).
207. LTR, GEN ISRAEL TO LT. HARDY, "LETTER OF APPRECIATION", 23 APR 56 (S.D. 207).
208. LTR, COL O'NEILL TO 14TH FG, "LETTER ON ECM TACTICS BY LT. HARDY", 23 APR 56 (S.D. 208).
209. TTX, ACFOCE 05116, 32D ADIV TO APPLICABLE UNITS, 18 MAY 56 (S.D. 209).

SECRET

0494

SECRET

108

210. LTR & INDS, ADC TO 764TH AC&M Sq, "ECCM INTERCEPT TACTICS AGAINST ECM AND FAKER AIRCRAFT", 9 MAY 56 (S.D. 210).
211. LTR & INDS, 37TH FIS TO 14TH FG, "COMMANDER'S COMMENTARY RCS: ADC-V-20", 4 JUN 56 (S.D. 211).
212. TX, ACFOCE 06041, 32D ADIV TO APPLICABLE UNITS, 6 JUN 56 (S.D. 212).
213. TX, ACFOCE 06068, 32D ADIV TO APPLICABLE UNITS, 11 JUN 56 (S.D. 213).
214. TX, ACFOCE 06107, 32D ADIV TO APPLICABLE UNITS, 18 JUN 56 (S.D. 214).
215. LTR, 32D ADIV TO 4713TH REF, "REPORT OF ELECTRONIC COUNTERMEASURES ACTIVITIES (RCS: ADC H-5 EADF-2)", 13 JUN 56 (S.D. 215).
216. LTR, 32D ADIV TO APPLICABLE UNITS, "ECCM INTERCEPT TACTICS AGAINST ECM AND FAKER AIRCRAFT", 21 JUN 56 (S.D. 216).
217. TX, ACFOCE 06210, 32D ADIV TO APPLICABLE UNITS, 29 JUN 56 (S.D. 217).

SECRET

0495

APPENDIX "C" **SECRET**

INDEX TO SUPPORTING DOCUMENTS: VOLUME I

-
18. LTR & IND, EADF TO 32D ADIV, "MOVE OF 4711TH AIR DEFENSE WING HEADQUARTERS (UNCL)", 23 SEP 55.
- 20/1. TTX, ACFOPR 12057, 32D ADIV TO 4711TH ADM, 6 DEC 55.
- 20/2. TTX, ACFOPR 12074, 32D ADIV TO 4711TH ADM, 8 DEC 55.
- 20/3. LTR, 32D ADIV TO 4711TH ADM, "MOVEMENT ORDER (4711TH ADM Hqs)", 20 DEC 55.
- 20/4. TTX, ACFOPR 12164, 32D ADIV TO 4711TH ADM, 27 DEC 55.
- 20/5. TTX, ACFOPR 01095, 32D ADIV TO 4711TH ADM, 17 JAN 56.
- 20/6. LTR, 32D ADIV TO 4711TH ADM, "AMENDMENT TO MOVEMENT ORDER (4711TH ADM Hq, DTD 20 DEC 55)", 25 JAN 56.
- 22/1. TTX, ACFOPR 01022, 32D ADIV TO 4711TH ADM, 6 JAN 56.
- 22/2. EADF GO 14, 3 FEB 56.
- 22/3. TTX, EAOMO 5365, EADF TO 32D ADIV, 4707TH AND 4711TH ADM'S, 13 FEB 56.
- 22/4. EADF GO 17, 13 FEB 56.
- 22/5. 32D ADIV STAFF MEETING MINUTES, 28 FEB 56.
- 22/6. TTX, ACFOPR 02138, 32D ADIV TO APPLICABLE UNITS, 28 FEB 56.
- 22/7. TTX, ACFOPR 02137, 32D ADIV TO APPLICABLE UNITS, 28 FEB 56.
- 22/8. TTX, ACFOPR 02140, 32D ADIV TO ALL UNITS, 29 FEB 56.

SECRET

0496

SECRET

110

- 22/9. 32D ADIV GO 4, 29 FEB 56.
- 22/10. EADF GO 39, 28 JUN 56.
- 23/1. CONAD GO 19, 26 DEC 55.
- 23/2. ADC GO 67, 27 DEC 55.
- 23/3. LTR, 32D ADIV TO 4707TH AND 4711TH ADI'S, "SUBSECTORS OF RESPONSIBILITY", 27 JAN 56.
- 23/4. EADF GO 15, 9 FEB 56.
- 23/5. LTR & IND, EADF TO 32D ADIV, "ASSIGNMENT OF AIR DEFENSE SUBSECTORS", 24 FEB 56.
- 23/6. TX, ACFOOT-A 03037, 32D ADIV TO APPLICABLE UNITS, 7 MAR 56.
- 23/7. TX, ACFOOT-A 03038, 32D ADIV TO APPLICABLE UNITS, 7 MAR 56.
- 23/8. 32D ADIV GO 9, 5 JUN 56.
24. LTR, 32D ADIV TO EADF, "ALTERNATE COMMAND POST CABLE REQUIREMENTS", 7 NOV 55.
- 25/1. LTR, 32D ADIV TO 14TH FTR GP, "ALTERNATE COMMAND POST", 14 MAR 56.
- 25/2. LTR, 32D ADIV TO EADF, "ALTERNATE OPERATING LOCATION (UNCLASSIFIED)", 25 APR 56.
- 25/3. TX, ACFOOT-A 03126, 32D ADIV TO 26TH ADIV, 26 MAR 56.
- 25/4. TX, ACFOCE 03103, 32D ADIV TO EADF, 19 MAR 56.
26. 32D ADIV OPS PLAN 503-56, 1 APR 56.
27. CHANGE #1 TO J-32D AD(D) J- EADF ALCOP SUPPORT PLAN 5-55, 3 FEB 56.
35. 32D ADIV STAFF MEETING MINUTES, 27 FEB 56.

SECRET

0497

SECRET

111

36. LTR, GEN ISRAEL TO COL O'NEILL, "SAGE PROJECT", 12 APR 56.
- 37/1. 32D ADIV STAFF MEETING MINUTES, 23 FEB 56.
- 37/2. TTX, ACFOPR 01036, 32D ADIV TO EADF, 6 JAN 56.
- 37/3. LTR, EADF TO 32D ADIV, "PERSONNEL STRENGTH FOR PROJECT SAGE, SYRACUSE, NEW YORK", 27 DEC 54.
- 38/1. 32D ADIV STAFF MEETING MINUTES, 19 JUN 56.
- 39/1. LTR, GEN ISRAEL TO EADF, "SPECIAL INSTRUCTIONS FOR SAGE REORGANIZATION", 26 JUN 56.
- 39/2. ADC GO 27, 19 JUN 56.
- 39/3. EADF GO 23, 15 MAR 56.
- 39/4. 32D ADIV GO 7, 8 APR 56.
- 40/1. 32D ADIV STAFF MEETING MINUTES, 27 JAN 56.
- 40/2. 32D ADIV STAFF MEETING MINUTES, 8 FEB 56.
- 40/3. 32D ADIV STAFF MEETING MINUTES, 16 JAN 56.
- 40/4. 32D ADIV STAFF MEETING MINUTES, 18 JAN 56.
- 40/5. 32D ADIV STAFF MEETING MINUTES, 24 FEB 56.
- 40/6. 32D ADIV STAFF MEETING MINUTES, 23 MAR 56.
- 40/7. 32D ADIV STAFF MEETING MINUTES, 27 APR 56.
- 40/8. LTR, 32D ADIV TO MAAMA, "REHABILITATION OF CONNECTICUT TELEPHONE AND ELECTRIC CORP PBX SWITCHBOARD", 28 FEB 56.
- 40/9. LTR, 32D ADIV TO EADF, "TELEPHONE EXCHANGE AND NEW BUILDING AT SYRACUSE AIR FORCE STATION (UNCLASSIFIED)", 16 MAY 56.

SECRET

0498

SECRET

112

41. LTR & INCL, GEN ISRAEL TO EADF, "PROGRAMMING FOR SAGE SYSTEM", 19 OCT 55.
43. LTR & IND, EADF TO 32D ADIV, "(UNCLASSIFIED) IMPLEMENTATION OF THE SAGE SYSTEM INTO THE EADF AREA OF RESPONSIBILITY", 9 AUG 55.

INDEX TO SUPPORTING DOCUMENTS: VOLUME 11

-
- 46/1. LTR & IND, EADF TO 32D ADIV, "(UNCLASSIFIED) APPLICATION FOR FREQUENCIES", 23 JAN 56.
- 46/2. TX, ACFOCE 01152, 32D ADIV TO EADF, 26 JAN 56.
- 46/3. LTR, 32D ADIV TO 4707TH ADI, "AMATEUR STATION ON TEXAS TOWER", 27 JAN 56.
- 46/4. TX, ACFOCE 01183, 32D ADIV TO 4707TH ADI, 1 MAR 56.
47. LTR & IND, EADF TO 32D ADIV, "SEAWARD EXTENSION COMMUNICATIONS", 13 FEB 56.
49. LTR, 32D ADIV TO EADF, "COMMENTS ON JEADFM 55-T", 1 MAR 56.
50. TX, ACFOCE 03075, 32D ADIV TO COMCORTRON 16, 13 MAR 56.
- 51/1. LTR, INDS & INCLS, 656TH AC&I SQ TO 4707TH ADI, "PICKET VESSEL MONITOR INTERFERENCE", 20 DEC 55.
- 51/2. TX, ACFOCE 01127, 32D ADIV TO EADF, 20 JAN 56.
- 51/3. LTR, 32D ADIV TO 4707TH & 4711TH ADI'S, "CALL WORD ASSIGNMENT FOR PICKET SHIPS", 3 FEB 56.
- 51/4. LTR, 32D ADIV TO 4707TH ADI & 654TH AC&I SQ, "UNAUTHORIZED TRANSMISSIONS", 21 FEB 56.

SECRET

0499

SECRET

113

- 51/5. LTR & INDS, 654TH AC&W SQ TO 32D ADIV, "U.S. NAVY PROPOSAL TO COMBINE OFF-BASE TRANSMITTING FACILITIES", 13 MAR 56.
- 51/6. LTR, 32D ADIV TO EADF, "REQUEST FOR CLARIFICATION OF CALL SIGNS", 14 MAR 56.
- 51/7. LTR, EADF TO 32D ADIV, "PROGRAMMING OF HF RADIO FACILITIES TO BRUNSWICK NAS (P-13)", 15 MAR 56.
- 51/8. TMX, ACFOCE 03142, 32D ADIV TO 14TH & 23D FGs, 19 MAR 56.
- 51/9. TMX, ACFOCE 04016, 32D ADIV TO 764TH AC&W SQ, 4 APR 56.
- 51/10. LTR, 32D ADIV TO EADF, "RECOMMENDATIONS FOR CHANGES TO CONADM 55-1", 29 MAY 55.
- 51/11. LTR, LCDR B SEVILLA TO CMDR, YAGR DIVISION TWENTY-ONE, "INTERCEPT AIRCRAFT; SCHEDULING OF", 26 JUN 56.
- 52/1. LTR & IND, EADF TO 32D ADIV, "(UNCLASSIFIED ESTABLISHMENT OF A COMMON HIGH FREQUENCY CHANNEL FOR COMMUNICATIONS WITH SEAWARD ELEMENTS)", 3 APR 56.
- 52/2. TMX, ACFOCE 04134, 32D ADIV TO 23D FG, 24 APR 56.
- 53/1. LTR, GEN ISRAEL TO EADF, "AEI&C AIRCRAFT", 7 MAR 56.
- 54/1. 32D ADIV MINUTES OF STAFF MEETING, 4 JAN 56.
- 54/2. LTR & INDS, 762D AC&W SQ TO 4707TH ADM, "AEI&C POLAR GRID REPORTING", 29 FEB 56.
- 54/3. TMX, ACFOOT-A 01195, 32D ADIV TO GROUP "TA", 2 FEB 56.
- 54/4. TMX, ACFOOT-A 05039, 32D ADIV TO 654TH AC&W SQ, 3 MAY 56.
- 54/5. TMX, ACFOFR 05067, 32D ADIV TO 23D FG, 11 MAY 56.

SECRET

0500

SECRET

114

- 54/6. TX, ACFOPR 05143, 32D ADIV TO 23D FG, 24 MAY 56.
- 54/7. TX, ACFOPR 06082, 32D ADIV TO APPLICABLE UNITS, 12 JUN 56.
- 54/8. TX, ACFOPR 06134, 32D ADIV TO APPLICABLE UNITS, 21 JUN 56.
57. LTR & INDS, ADC TO EADF, "(UNCL) ESTABLISHMENT OF GOC BUFFER ZONES", 14 MAR 56.
59. LTR & INDS, ADC TO EADF, "(UNCL) ESTABLISHMENT OF GOC BUFFER ZONES", 14 MAR 56.
60. TX, COMIS 50328, CINC CONAD TO ALL APPLICABLE COMMANDS, 21 FEB 56.
- 61/1. 32D ADIV OPS ORDER 2-56, 13 JAN 56.
- 61/2. 32D ADIV OPS ORDER 14-56, 29 MAR 56.
- 61/3. 32D ADIV OPS ORDER 18-56, 25 APR 56.
- 62/1. TX, ACFOOT-A 01136, 32D ADIV TO ALL APPLICABLE UNITS, 23 JAN 56.
- 62/2. TX, ACFOOT-A 01139, 32D ADIV TO ALL APPLICABLE UNITS, 23 JAN 56.
- 62/3. TX, ACFOOT-A 01144, 32D ADIV TO ALL APPLICABLE UNITS, 25 JAN 56.
- 62/4. TX, ACFOOT-A 01145, 32D ADIV TO ALL APPLICABLE UNITS, 25 JAN 56.
- 62/5. TX, ACFOOT-A 01198, 32D ADIV TO ALL APPLICABLE UNITS, 3 FEB 56.
- 62/6. TX, ACFOOT-A 02029, 32D ADIV TO ALL APPLICABLE UNITS, 8 FEB 56.
- 62/7. TX, ACFOOT-A 02019, 32D ADIV TO ALL APPLICABLE UNITS, 10 FEB 56.

SECRET

0501

SECRET

115

- 62/8. TTX, ACFOOT-A 02105, 32D ADIV TO ALL APPLICABLE UNITS, 23 FEB 56.
- 62/9. TTX, ACFOOT-A 03014, 32D ADIV TO ALL APPLICABLE UNITS, 2 MAR 56.
- 62/10. TTX, ACFOOT-A 03020, 32D ADIV TO ALL APPLICABLE UNITS, 5 MAR 56.
- 62/11. TTX, ACFOOT-A 03050, 32D ADIV TO ALL APPLICABLE UNITS, 9 MAR 56.
- 62/12. TTX, ACFOOT-A 04137, 32D ADIV TO ALL APPLICABLE UNITS, 25 APR 56.
- 62/13. TTX, ACFOOT-A 04162, 32D ADIV TO ALL APPLICABLE UNITS, 30 APR 56.
- 62/14. TTX, ACFOOT-A 04163, 32D ADIV TO ALL APPLICABLE UNITS, 30 APR 56.
- 62/15. TTX, ACFOOT-A 05072, 32D ADIV TO EADF, 11 MAY 56.
- 64/1. LTR & IND, 32D ADIV TO 4707TH ADI, "(UNCLASSIFIED) SUBMISSION OF OPERATIONAL PLANS", 27 JUL 55.
- 64/2. LTR & IND, 32D ADIV TO 4711TH ADI, "(UNCLASSIFIED) SUBMISSION OF OPERATIONAL PLANS", 27 JUL 55.
65. TTX, ACFOCE 06154, 32D ADIV TO 655TH & 765TH AC&I Sqs, 25 JUN 56.
- 65/1. LTR, 32D ADIV TO EADF, "TELEPHONE CIRCUIT REQUIREMENTS", 29 JUL 55.
- 65/2. LTR, & INDS, 654TH AC&I Sq TO 4707TH ADI, "LAND-LINE CIRCUIT NOTIFICATION" 6 JAN 56.
- 65/3. LTR & IND, EADF TO 32D ADIV, "ADMINISTRATIVE CIRCUIT REQUIREMENTS AT AC&I STATION", 16 FEB 56.
- 65/4. LTR & INCL, 32D ADIV TO 14TH AND 23D FGS, "SAGE RADIO CIRCUITS", 28 MAR 56.

SECRET

0502

SECRET

116

- 65/5. TTX, ACFOCE 01028, 32D ADIV TO 4707TH AND 4711TH ADIV'S, 6 JAN 56.
- 65/6. TTX, ACFOCE 05100, 32D ADIV TO EADF, 15 MAY 56.
- 65/7. TTX, ACFOCE 05162, 32D ADIV TO APPLICABLE UNITS, 29 MAY 56.
66. LTR, INCL & IND, EADF TO 32D ADIV, "(CONF) EMERGENCY ACTION TO EXPAND CAPACITY OF AN/GTA-6A AT ADC RADAR SITES", 27 DEC 55.
- 67/1. LTR, 32D ADIV TO 4707TH ADIV, "STANDARD DIRECTION CENTER FLOOR PLANS", 11 JAN 56.
- 67/2. LTR & INDS, ADC TO EADF, "STANDARDIZED DIRECTION CENTERS (MANUAL SYSTEM)", 3 MAY 56.
- 67/3. LTR, ATCHMT, & IND, EADF TO 32D ADIV, "STANDARD DIRECTION CENTER FLOOR PLAN", 7 JUN 56.
- 68/1. TTX, ACFOOT-A 06001, 32D ADIV TO 26TH ADIV, 31 MAY 56.
- 68/2. TTX, ACFOOT-A 05177, 32D ADIV TO 654TH AC&M Sq, 1 JUN 56.
- 68/3. TTX, ACFOOT-A 06040, 32D ADIV TO APPLICABLE UNITS, 6 JUN 56.
- 68/4. TTX, ACFOOT-A 06047, 32D ADIV TO EADF, 7 JUN 56.
69. TTX, ACFOCE 06165, 32D ADIV TO APPLICABLE UNITS, 26 JUN 56.
- 70/1. LTR & IND, EADF TO 32D ADIV "(UNCL) RADAR ORIENTATION BEACON SITE SELECTION AND SURVEY", 16 APR 56.
- 70/2. LTR & IND, 765TH AC&M Sq TO 32D ADIV, "RADAR ORIENTATION BEACON SITING REPORT", 7 JUN 56.
- 70/3. TTX, ACFOCE 06046, 32D ADIV TO EADF, 8 JUN 56.

SECRET

0503

SECRET

117

- 72/1. LTR & INDS, RADC TO ADC, "PRODUCTION ACCEPTANCE TEST OF THE AN/GPA-37", 13 JUL 55.
- 72/2. LTR & INDS, 32D ADIV TO 4711TH ADI, "PRODUCTION ACCEPTANCE TEST OF THE AN/GPA-37", 25 NOV 55.
- 72/3. LTR & INDS, EADF TO 32D ADIV, "AN/GPA-37 CABLE REQUIREMENTS", 13 MAR 56.
- 72/4. LTR & INDS, EADF TO 32D ADIV, "REVISED ADC AN/GPA-37 PROGRAM", 22 MAY 56.

INDEX TO SUPPORTING DOCUMENTS: VOLUME III

- 73/1. 32D ADIV OPS SUMMARY, JAN 56.
- 73/2. 32D ADIV OPS SUMMARY, FEB 56.
- 73/3. 32D ADIV OPS SUMMARY, MAR 56.
- 73/4. 32D ADIV OPS SUMMARY, APR 56.
- 73/5. 32D ADIV OPS SUMMARY, MAY 56.
- 73/6. 32D ADIV OPS SUMMARY, JUN 56.

INDEX TO SUPPORTING DOCUMENTS: VOLUME IV

- 74/1. LTR, INCL, & IND, EADF TO 32D ADIV, "UTILIZATION OF RCA TECHNICAL REPRESENTATIVES DURING INSTALLATION OF AN/GPA-T2 TRAINERS", 17 JAN 56.
- 74/2. 32D ADIV STAFF MEETING MINUTES, 9 FEB 56.
- 74/3. TX, ACFOOT-A 03033, 32D ADIV TO APPLICABLE UNITS, 6 MAR 56.

SECRET

0504

SECRET

118

- 74/4. LTR & INDS, ADC TO EADF, "STANDARD ANTENNA RPM RATE FOR STP EXERCISES", 23 MAR 56.
- 74/5. LTR & IND, EADF TO 32D ADIV, "GRADUATES OF SYNTHETIC MULTIPLE INTERCEPT CONTROLLERS INDOCTRINATION COURSE AT RAND CORPORATION", 1 MAY 56.
- 74/6. TTX, ACFOOT-A 05007, 32D ADIV TO APPLICABLE UNITS, 1 MAY 56.
- 75/1. 32D ADIV STAFF COMMENTARY, JAN 56.
- 75/2. 32D ADIV STAFF COMMENTARY, MAR 56.
- 75/3. 32D ADIV STAFF COMMENTARY, APR 56.
- 75/4. 32D ADIV STAFF COMMENTARY, MAY 56.
- 75/5. 32D ADIV STAFF COMMENTARY, JUN 56.
77. LTR & INDS, 654TH AC&W Sq TO 32D ADIV, "REQUIREMENT FOR PLAN POSITION INDICATORS", 7 MAR 56.
- 78/1. LTR, INCL, & IND, EADF TO 32D ADIV, "INVENTORY OF RADAR INDICATORS AT AC&W SITES", 11 APR 56.
- 79/1. LTR & IND, EADF TO 32D ADIV, "HEIGHT FINDING PROCEDURES", 13 MAR 56.
- 79/2. LTR & IND, GEN McCAULEY TO GEN ISRAEL, "AC&W OPERATIONAL STATUS REPORT (RCS: AF-Z20)", 3 JAN 56.
- 79/3. LTR, 32D ADIV TO 4707TH AND 4711TH ADI's, "AC&W OPERATIONAL STATUS REPORT (RCS: AF-Z20)", 6 JAN 56.
- 80/1. LTR & IND, 764TH AC&W Sq TO 32D ADIV, "CALIBRATION AND COVERAGE OF AN/CPS-6B", 13 MAR 56.
- 80/2. LTR & IND, 655TH AC&W Sq TO 32D ADIV, "SPECIAL INVESTIGATION OF RADAR COVERAGE INDICATOR", 23 MAY 56.
- 80/3. LTR & INDS, EADF TO MAAMA, "RADAR INTERFERENCE SURVEY FOR BRUNSWICK NAS, MAINE", 22 DEC 55.

SECRET

0505

SECRET

119

- 80/4. LTR, 32D ADIV TO EADF, "RADAR INTERFERENCE SURVEY FOR NAVAL AIR STATION", 26 JAN 56.
- 80/5. LTR, 32D ADIV TO EADF, "UNKNOWN MUTUAL INTERFERENCE AT 762D AC&M SQUADRON", 7 MAR 56.
- 81/1. LTR & INCL, 32D ADIV TO 4707TH AND 4711TH ADM'S, "TRANSMITTAL OF EADF GROUND RADAR INSPECTION AND MAINTENANCE SCHEDULES", 12 JAN 56.
- 81/2. LTR & INCL, 32D ADIV TO 14TH AND 23D FGs, "TRANSMITTAL OF EADF GROUND RADAR INSPECTION & MAINTENANCE SCHEDULES", 27 MAR 56.
- 81/3. MDM HIST RPT, JAN 56.
- 81/4. MDM HIST RPT, FEB 56.
- 81/5. MDM HIST RPT, MAR 56.
- 81/6. MDM HIST RPT, APR 56.
- 81/7. MDM HIST RPT, MAY 56.
- 81/8. MDM HIST RPT, JUN 56.
- 81/9. LTR & IND, 654TH AC&M Sq TO 32D ADIV, "CONTRACT AUGMENTATION RADAR TECHNICIANS", 1 JUN 56.
- 81/10. LTR, COL O'NEILL TO EADF, "RETENTION OF COLLINS TECHNICAL REPRESENTATIVE", 11 JUN 56.
82. LTR, GEN ISRAEL TO EADF, "FACTOR LIMITING RADAR EFFECTIVENESS AT AC&M SITES", 9 MAY 56.
- 83/1. LTR & INDS, DET #1, CANADIAN ADC TO 32D ADIV, "ACTIVATION OF THE 672D AC&M SQUADRON", 27 MAR 56.
- 83/2. LTR, 32D ADIV TO EADF, "REPORT OF EXCHANGE OF CLASSIFIED MILITARY INFORMATION WITH AIR DEFENSE COMMAND, RCAF (RCS: ADC-U16)", 13 FEB 56.
- 83/3. LTR, 32D ADIV TO EADF, "REPORT OF EXCHANGE OF CLASSIFIED MILITARY INFORMATION WITH AIR DEFENSE COMMAND, RCAF (RUS: ADC-U16)", 12 MAR 56.

SECRET

0506

SECRET

120

- 83/4. LTR, 32D ADIV TO EADF, "REPORT OF EXCHANGE OF CLASSIFIED MILITARY INFORMATION WITH AIR DEFENSE COMMAND, RCAF (RCS: ADC-U16)", 12 APR 56.
- 83/5. LTR, 32D ADIV TO EADF, "REPORT OF EXCHANGE OF CLASSIFIED MILITARY INFORMATION WITH AIR DEFENSE COMMAND, RCAF (RCS: ADC-U16)", 12 MAY 56.
- 83/6. LTR, 32D ADIV TO EADF, "REPORT OF EXCHANGE OF CLASSIFIED MILITARY INFORMATION WITH AIR DEFENSE COMMAND, RCAF (RCS: ADC-U16)", 12 JUN 56.
- 83/7. LTR, 32D ADIV TO EADF, "REPORT OF EXCHANGE OF CLASSIFIED MILITARY INFORMATION WITH AIR DEFENSE COMMAND, RCAF (RCS: ADC-U16)", 12 JUL 56.
- 83/8. LTR, GEN ISRAEL TO EADF, "VISIT BY FOREIGN NATIONALS", 6 JUN 56.
- 84/1. TTX, ACFOLE 01193, 32D ADIV TO 907TH AC&M Sq, 3 FEB 56.
- 84/2. LTR & IND, 907TH AC&M Sq TO 32D ADIV, "C&E SCHEME CE-ABC-110-AMCMA-62-E", 5 MAR 56.
- 84/3. TTX, ACFOOT-A 05043, TO APPLICABLE UNITS, 7 MAY 56.
- 85/1. LTR, 32D ADIV TO 4707TH AND 4711TH AD's, "(UNCL) REVISION TO THE SITING DIRECTIVES FOR THE LOW ALTITUDE, GAP FILLER RADAR PROGRAM", 12 JAN 56.
- 85/2. LTR, 32D ADIV TO EADF, "(UNCL) REVISION TO THE SITING DIRECTIVES FOR THE LOW ALTITUDE GAP FILLER RADAR PROGRAM", 25 JAN 56.
- 85/3. LTR & IND, EADF TO 32D ADIV, "REVISED ADC GAP FILLER PROGRAM", 18 MAY 56.
86. LTR & IND, EADF TO 32D ADIV, "DELETED GAP FILLER SITES", 16 MAY 56.
- 88/1. TTX, ACFOCE 02143, 32D ADIV TO 654TH AC&M Sq, 29 FEB 56.
- 88/2. TTX, ACFOCE 02144, 32D ADIV TO APPLICABLE UNITS, 29 FEB 56.

SECRET

0507

SECRET

121

INDEX TO SUPPORTING DOCUMENTS: VOLUME V

-
- 89/1. TTX, ACFOOT-FO 05149, 32D ADIV TO EADF, 28 MAY 56.
- 90/1. LTR & IND, EADF TO 32D ADIV, "(UNCLASSIFIED) HIGH ALTITUDE TRAINING", 31 MAY 56.
- 90/2. LTR, COL O'NEILL TO EADF, "(UNCLASSIFIED) HIGH ALTITUDE TRAINING", 19 JUN 56.
91. LTR & INDS, 76TH FIS TO 23D FG, "INABILITY TO COMPLETE ADCR 51-3 TRAINING REQUIREMENTS", 5 APR 56.
- 92/1. LTR & IND, EADF TO 32D ADIV, "ECM TRAINING FOR FIGHTER-INTERCEPTOR SQUADRONS", 7 MAR 56.
- 92/2. LTR, INCL, & INDS, 355TH FG TO EADF, "CHAFF DISPENSER - RADAR REFLECTOR", 13 APR 56.
- 93/1. TTX, EAMAC-4 52796, EADF TO APPLICABLE UNITS, 27 DEC 55.
- 93/2. TTX, EAMAC-4 7602, EADF TO APPLICABLE UNITS, 23 FEB 56.
- 93/3. TTX, ACFOOT-FO 05056, 32D ADIV TO 26TH ADIV, 9 MAY 56.
- 93/4. LTR & INDS, 49TH FIS TO 4707TH ADM, "REQUEST FOR FLYING TRAINING "AIVER", 15 MAY 56.
- 93/5. TTX, EAPPT-S 52888, EADF TO APPLICABLE UNITS, 27 DEC 55.
94. 32D ADIV STAFF COMMENTARY, MAY 56 P 2.
95. TTX, ACFOOT-A 02080, 32D ADIV TO GROUP "TA", 17 FEB 56.
96. LTR & INDS, ADC TO EADF, "F-102A WEAPONS SUPPORT MANUAL", 2 MAR 56.
97. LTR & INCL, EADF TO COMMANDERS, ADIVS, "OIS PROGRAM FOR INTRODUCTION OF F-102", 14 MAY 56.

SECRET

0508

SECRET

122

- 97/1. TTX, ACFOPR 02024, 32D ADIV TO EADF, 8 FEB 56.
- 97/2. TTX, ACFOPR 02073, 32D ADIV TO 4711TH ADM AND 23D FG, 16 FEB 56.
- 98/1. LTR, MAJ GENERAL TILLERY TO 32D ADIV "LOGISTIC SUPPORT OF F-89 AIRCRAFT" 29 DEC 55.
- 98/2. LTR, COL INGENHUTT TO OAMA, "LOGISTIC SUPPORT OF F-89 AIRCRAFT", 13 JAN 56.
- 99/1. 32D ADIV STAFF MEETING MINUTES, 25 JAN 56.
- 99/2. 32D ADIV STAFF MEETING MINUTES, 13 FEB 56.
- 99/3. 32D ADIV STAFF MEETING MINUTES, 17 FEB 56.
- 99/4. TTX, ACFOPR 02103, 32D ADIV TO 4711TH ADM, 23 FEB 56.
- 99/5. TTX, ACFOOT-FO 04014, 32D ADIV TO 4711TH ADM, 23 FEB 56.
- 99/6. TTX, ACFOCE 05156, 32D ADIV TO ADC, 28 MAY 56.
- 99/7. TTX, ACFOCE 06031, 32D ADIV TO ADC, 5 JUN 56.
- 99/8. TTX, ACFOCE 06030, 32D ADIV TO APPLICABLE UNITS, 5 JUN 56.
- 100/1. TTX, ACFOOT-FO 05087, 32D ADIV TO 465TH FIS, 14 MAY 56.
- 100/2. TTX, ACFOOT-FO 06054, 32D ADIV TO 465TH FIS, 7 JUN 56.
- 102/1. LTR, INCLS, & IND, EADF TO 32D ADIV, "INTERCEPTOR TURN AROUND", 29 FEB 56.
- 102/2. LTR, INCLS, & IND, EADF TO 32D ADIV, "INTERCEPTOR TURN AROUND", 30 APR 56.
- 102/3. LTR & INDS, 37TH FIS TO 14TH FG, "MOBILE ROCKET BARRIER (QUALITATIVE OPERATIONAL REQUIREMENT)", 28 DEC 55.

SECRET

0509

SECRET

123

103. LTR & INCL, 32D ADIV TO 4707TH AND 4711TH ADM's, "TRANSMITTAL OF CAA LETTER", 1 FEB 56.
- 103/1. LTR, INCLS, & IND, 4711TH ADM TO 32D ADIV, "REQUEST FOR TACAN AIRSPACE ACTION", 29 DEC 55.
104. LTR, COL O'NEILL TO EADF, "CONTROL TOWER MANNING AT PRESQUE ISLE AIR FORCE BASE", 26 JUN 56.
- 107/1. TMX, ACFOOT-FO 01038, 32D ADIV TO EADF, 9 JAN 56.
- 107/2. TMX, ACFOOT-FO 02128, 32D ADIV TO ALL APPLICABLE UNITS, 28 FEB 56.
- 107/3. LTR & IND, EADF TO 32D ADIV, "N-6 CAMERA MOUNT FOR NADAR GROUND REPRODUCER UNIT", 6 MAR 56.
- 107/4. TMX, ACFOOT-FO 03077, 32D ADIV TO 14TH & 23D FGS, 14 MAR 56.
- 107/5. TMX, ACFOOT-FO 03101, 32D ADIV TO 23D FG, 20 MAR 56.
- 107/6. 32D ADIV STAFF MEETING MINUTES, 12 APR 56.
- 107/7. TMX, ACFOOT-FO 06122, 32D ADIV TO EADF, 19 JUN 56.
- 107/8. TMX, ACFOOT-FO 06118, 32D ADIV TO 14TH & 23D FGS, 19 JUN 56.
- 108/1. LTR & INCL, 32D ADIV TO EADF, "GUNNERY RANGE UTILIZATION", 16 FEB 56.
- 108/2. LTR & IND, 23D FG TO 32D ADIV, "ESTABLISHMENT OF LOCAL FLYING AREA", 11 JUN 56.
- 108/3. TMX, ACFOOT-FO 06142, 32D ADIV TO 14TH FG, 22 JUN 56.
- 109/1. LTR, INCL & INDS, 4707TH ADM TO 32D ADIV, "ROCKETRY TRAINING OVER AN UNDERCAST", 13 JAN 56.
- 109/2. TMX, ACFOOT-FO 01081, 32D ADIV TO 4707TH & 4711TH ADM's, 16 JAN 56.
- 109/3. TMX, ACFOOT-FO 01062, 32D ADIV TO 4707TH & 4711TH ADM's, 17 JAN 56.

SECRET

0510

SECRET

124

- 109/4. TTX, ACFOOT-FO 02002, 32D ADIV TO APPLICABLE UNITS, 6 FEB 56.
- 109/5. TTX, ACFOOT-FO 02088, 32D ADIV TO GROUP "TA", 20 FEB 56.
- 109/6. TTX, ACFOOT-FO 02125, 32D ADIV TO EADF, 27 FEB 56.
- 109/7. TTX, ACFOOT-FO 04082, 32D ADIV TO APPLICABLE UNITS, 16 APR 56.
- 109/8. TTX, ACFOOT-FO 05069, 32D ADIV TO 14TH FG, 14 MAY 56.
- 110/1. LTR & INDS, 27TH FIS TO 14TH FG, "AIRLIFT REQUIREMENT FOR ROCKETRY PROFICIENCY", 2 MAY 56.
- 110/2. TTX, ACFOOT-FO 05037, 32D ADIV TO APPLICABLE UNITS, 4 MAY 56.
- 111/1. TTX, ACFOOT-FO 01133, 32D ADIV TO EADF, 23 JAN 56.
- 111/2. TTX, ACFOOT-FO 01164, 32D ADIV TO EADF, 27 JAN 56.
- 111/3. TTX, ACFOOT-FO 02046, 32D ADIV TO 4707TH & 4711TH AD's, 13 FEB 56.
- 111/4. TTX, ACFOOT-FO 02072, 32D ADIV TO EADF, 16 FEB 56.
- 111/5. TTX, ACFOOT-FO 03016, 32D ADIV TO 27TH FIS, 2 MAR 56.
- 111/6. TTX, ACFOOT-FO 04122, 32D ADIV TO 654TH AC&M SQ, 23 APR 56.
- 111/7. TTX, ACFOOT-FO 05078, 32D ADIV TO EADF, 14 MAY 56.
- 111/8. TTX, ACFOOT-FO 05180, 32D ADIV TO EADF, 31 MAY 56.
- 111/9. TTX, ACFOOT-FO 06096, 32D ADIV TO MOODY AFB, 14 JUN 56.
- 111/10. TTX, ACFOOT-FO 06110, 32D ADIV TO EADF, 18 JUN 56.
- 112/1. LTR, 32D ADIV TO ADJ GEN, STATE OF NY, "AUTHORITY FOR AUGMENTATION UNITS TO ENTER DIVISION HF RADIO CALL NET", 3 FEB 56.

SECRET

0511

SECRET

125

- 112/2. LTR, 32D ADIV TO ADJ GEN, STATE OF MASS, "AUTHORITY FOR AUGMENTATION UNITS TO ENTER DIVISION HF RADIO CALL NET", 9 FEB 56.
- 112/3. LTR, 32D ADIV TO ADJ GEN, STATE OF VT, "AUTHORITY FOR AUGMENTATION UNITS TO ENTER DIVISION HF RADIO CALL NET", 9 FEB 56.
- 112/4. LTR, 32D ADIV TO ADJ GEN, STATE OF ME, "AUTHORITY FOR AUGMENTATION UNITS TO ENTER DIVISION HF RADIO CALL NET", 9 FEB 56.
- 112/5. LTR, 32D ADIV TO 2256TH AFRTC, "AUTHORITY FOR AUGMENTATION UNITS TO ENTER DIVISION HF RADIO CALL NET", 9 FEB 56.
- 112/6. LTR, 32D ADIV TO CMDR, S MEYMOUTH NAS, "AUTHORITY FOR AUGMENTATION UNITS TO ENTER DIVISION HF RADIO CALL NET", 10 FEB 56.
- 112/7. LTR, 32D ADIV TO CMDR, NIAGARA FALLS NAS, "AUTHORITY FOR AUGMENTATION UNITS TO ENTER DIVISION HF RADIO CALL NET", 10 FEB 56.
- 112/8. LTR, 32D ADIV TO ADJ GEN, STATE OF NH, "AUTHORITY FOR AUGMENTATION UNITS TO ENTER DIVISION HF RADIO CALL NET", 10 FEB 56.
- 112/9. LTR, 32D ADIV TO 2234TH AFRTC, "AUTHORITY FOR AUGMENTATION UNITS TO ENTER DIVISION HF RADIO CALL NET", 10 FEB 56.
- 113/1. LTR, 32D ADIV TO 101ST FIV, "RECOMMENDATIONS FOR THE 1956 GENERAL FIELD TRAINING PLAN", 6 FEB 56.
- 113/2. LTR, 32D ADIV TO 89TH FBW, "RECOMMENDATIONS FOR THE 1956 ACTIVE DUTY TRAINING SCHEDULE", 6 FEB 56.
- 113/3. LTR, 32D ADIV TO 107TH FIV, "RECOMMENDATIONS FOR THE 1956 GENERAL FIELD TRAINING PLAN", 6 FEB 56.
- 113/4. LTR, 32D ADIV TO 445TH FBW, "RECOMMENDATIONS FOR THE 1956 ACTIVE DUTY TRAINING SCHEDULE", 6 FEB 56.

SECRET

0512

SECRET

126

- 113/5. LTR, 32D ADIV TO 102D FIW, "RECOMMENDATIONS FOR THE 1956 GENERAL TRAINING PLAN", 6 FEB 56.
- 113/6. LTR, 32D ADIV TO 14TH FG, "ADVISORY TEAM FOR THE 107TH FIGHTER INTERCEPTOR WING (ANG) 1956 SUMMER ENCAMPMENT", 17 APR 56.
- 113/7. LTR, 32D ADIV TO 23RD FG, "ADVISORY TEAM FOR THE 101ST FIGHTER INTERCEPTOR WING (ANG) 1956 SUMMER ENCAMPMENT", 23 APR 56.
- 113/8. TPX, ACFOOT-FO 06070, 32D ADIV TO 23RD FG & 49TH FIS, 11 JUN 56.
- 113/9. TPX, ACFOOT-FO 06114, 32D ADIV TO 14TH FG, 18 JUN 56.
- 114/1. TPX, ACFOOT-FO 02034, 32D ADIV TO APPLICABLE UNITS, 9 FEB 56.
- 114/2. LTR & IND, 138TH FIS TO 32D ADIV, "HOURS OF ALERT FOR THE AIR NATIONAL GUARD ALERT PROGRAM", 25 FEB 56.
- 114/3. LTR, 32D ADIV TO 23RD FG, "AIR NATIONAL GUARD ALERT PLAN", 30 APR 56.
- 114/4. TPX, ACFOOT-FO 06163, 32D ADIV TO 132D & 133D FIS, 26 JUN 56.
- 114/5. TPX, ACFOOT-FO 06175, 32D ADIV TO 23RD FG & 132D FIS, 26 JUN 56.
115. LTR, GEN ISRAEL TO EADF, "AIR DEFENSE CAPABILITY OF AIR FORCE RESERVE FIGHTER UNITS", 9 MAR 56.
- 117/1. TPX, ACFOOT-FO 01010, 32D ADIV TO EADF, 4 JAN 56.
- 117/2. TPX, ACFOOT-FO 01013, 32D ADIV TO ALL AUGMENTATION UNITS, 4 JAN 56.
- 117/3. TPX, ACFOOT-FO 02035, 32D ADIV TO EADF, 9 FEB 56.
- 117/4. TPX, ACFOOT-A 05022, 32D ADIV TO 654TH & 764TH AL&F Sqs, 3 MAY 56.

SECRET

0513

SECRET

127

- 117/5. LTR, 32D ADIV TO EADF, "AUGMENTATION OF AIR DIVISIONS (DEFENSE) BY AIR NATIONAL GUARD RADAR", 18 MAY 56.
- 117/6. LTR & IND, 654TH AC&I SQ TO 133RD FIS, "LETTER OF APPRECIATION", 25 MAY 56.
- 118/1. TMX, ACFNAV 342, 32D ADIV TO APPLICABLE NAS, 5 JUL 56.
- 118/2. LTR & INCL, 32D ADIV TO ADC, "CONSOLIDATION OF AIR NATIONAL GUARD OPERATIONAL READINESS REPORTS (RCS: 1-AF-ANG-V1)", 23 JAN 56.
- 118/3. LTR & INCL, 32D ADIV TO ADC, "CONSOLIDATION OF AIR NATIONAL GUARD OPERATIONAL READINESS REPORTS (RCS: 1-AF-ANG-V1)", 17 APR 56.
119. LTR, INCL, & INDS, ADC TO EADF, "USAF POLICY, INTEGRATION OF AIR DEFENSE AND CIVIL AERONAUTICS ADMINISTRATION AIR TRAFFIC CONTROL", 4 APR 56.
121. 32D ADIV STAFF MEETING MINUTES, 4 MAY 56.
122. LTR, COL O'NEILL TO EADF, "DECENTRALIZATION", 3 JUL 56.
- 123/1. LTR & INDS, GEN SMITH TO APPLICABLE COMMANDS, "POLICY, OPERATIONAL READINESS", 9 APR 56.
- 123/2. 32D ADIV STAFF MEETING MINUTES, 3 MAY 56.
- 124/1. TMX, ACFOOT-FO 02071, 32D ADIV TO APPLICABLE UNITS, 16 FEB 56.
- 124/2. TMX, ACFOOT-FO 01048, 32D ADIV TO GROUP "TA", 10 JAN 56.
125. LTR & IND, 23D FG TO 32D ADIV, "OPERATIONAL READINESS", 11 JUN 56.
- 127/1. LTR & INDS, ADC TO EADF, "MODIFIED OPERATION OF MARK X IFF", 14 DEC 55.

SECRET

0514

SECRET

128

- 127/2. T*X, ACFOOT-FO 01037, 32D ADIV TO ALL APPLICABLE SQUADRONS, 6 JAN 56.
- 127/3. LTR, GEN ISRAEL TO 4707TH & 4711TH ADI's, "CAA REPORTING AND RADAR FLIGHT MONITORING", 16 FEB 56.
- 127/4. LTR, GEN ISRAEL TO 4707TH ADI, "AIR ROUTE TRAFFIC CONTROL CENTER INCIDENT REPORTS", 20 FEB 56.
- 127/5. T*X, ACFOOT-A 03041, 32D ADIV TO ALL UNITS, 7 MAR 56.
- 127/6. LTR, INCL, & IND, EADF TO 32D ADIV, "DIRECT PILOT/CENTER CALL PROCEDURE", 1 MAR 56.
- 127/7. LTR & INDS, ADC TO EADF, "(UNCLASSIFIED) PROJECT 'YORK HORSE'", UNDATED.
- 127/8. LTR, INCL & IND, ADC TO APPLICABLE UNITS, "HANDLING OF DVFR FLIGHT PLANS WITH CAA TOWERS AT JOINT USE AIRPORTS", 30 APR 56.
- 127/9. T*X, ACFOOT-FO 05110, 32D ADIV TO 14TH & 23D FGs, 17 MAY 56.
- 128/1. LTR & INDS, ADC TO APPLICABLE UNITS, "CONAD-CAA AGREEMENT FOR FIGHTER/INTERCEPTOR OPERATIONS", 3 JAN 56.
- 128/2. LTR & INCL, 32D ADIV TO RECIPIENTS OF 32D AD(D)/ESF/CAA Ops AGREEMENT, "AMENDMENT No. 16 TO 32D AD(D)/ESF/CAA OPERATIONS AGREEMENT - SCRAMBLE AND RECOVERY PROCEDURES FOR ACTIVE AIR DEFENSE MISSIONS - 32D AIR DIVISION (DEF) SECTOR, DATED 1 AUGUST 1954", 12 JAN 56.
- 128/3. LTR, 32D ADIV TO RECIPIENTS OF 32D AD(D)/ESF/CAA Ops AGREEMENT, "AMENDMENT No. 17 TO 32D AD(D)/ESF/CAA OPERATIONS AGREEMENT - SCRAMBLE AND RECOVERY PROCEDURES FOR ACTIVE AIR DEFENSE MISSIONS - 32D AIR DIVISION (DEFENSE) SECTOR, DATED 1 AUGUST 1954", 25 JAN 56.

SECRET

0515

SECRET

129

- 128/4. LTR & IND, 14TH FG TO 32D ADIV, "AMENDMENT TO CONAD/CAA AGREEMENT FOR FIGHTER INTERCEPTOR OPERATIONS (AF10)", UNDATED.
129. ADDENDA No. 1, 32D AF10, 1 MAY 56.
- 130/1. TTX, ACFOOT-FO 02145, 32D ADIV TO APPLICABLE UNITS, 29 FEB 56.
- 130/2. LTR, INCL, & IND, ADC TO ALL APPLICABLE UNITS, "LANDING PATTERN", 1 MAR 56.
- 130/3. TTX, ACFOOT-FO 06208, 32D ADIV TO APPLICABLE UNITS, 29 JUN 56.
- 130/4. TTX, ACFOOT-FO 06156, 32D ADIV TO 14TH & 23D FGS, 25 JUN 56.
131. TTX, ACFOOT-FO 04167, 32D ADIV TO APPLICABLE UNITS, 30 APR 56.
- 132/1. 32D ADIV GO 3, 12 FEB 56.
- 132/2. 32D ADIV GO 5, 19 MAR 56.
- 132/3. 32D ADIV GO 6, 23 MAR 56.
133. 32D ADIV GO 2, 13 JAN 56.
134. 32D ADIV GO 1, 11 JAN 56.
135. 32D ADIV GO 10, 6 JUN 56.
136. 32D ADIV GO 12, 20 JUN 56.
- 137/1. 32D ADIV GO 8, 13 APR 56.
- 137/2. 32D ADIV GO 12, 20 JUN 56.

SECRET

0516

SECRET

HISTORICAL REPORT
of the
32D AIR DIVISION (DEFENSE)

Director Research Studies Institute Attn: Archival Branch Maxwell AFB, Alabama	RETURN TO:	V. L. T. 32-100-1006	32 DIV 52-111
---	------------	-------------------------	---------------



THE AIR DEFENSE OF A SECTOR
JANUARY through JUNE 1956
SUPPORTING DOCUMENTS I

DIVISION HISTORICAL OFFICE
SYRACUSE AIR FORCE STATION
EAST SYRACUSE, NEW YORK

57-57-220

57-100

SECRET

0521

SECRET

57 411

SECRET

RM-57-220

0522

SECRET

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF THE ESPIONAGE LAWS, TITLE 18, U.S.C., SECTIONS 793 AND 794. ITS TRANSMISSION OR THE REVELATION OF ITS CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW.

THIS IS COPY NO 2 OF 4 COPIES.

SECRET

0523

SECRET

HISTORICAL REPORT
OF THE
32D AIR DIVISION (DEFENSE)
NUMBER TWENTY
THE AIR DEFENSE OF A SECTOR
JANUARY THROUGH JUNE 1956

RCS: AU-D5

SUPPORTING DOCUMENTS
VOLUME I
(DOCUMENTS 18 THRU 43)

SECRET

57-100

0524

COPY

SECRET

COPY

HEADQUARTERS
EASTERN AIR DEFENSE FORCE
STEWART AIR FORCE BASE, NEWBURGH, N.Y.

EAOMO

23 SEP 1955

SUBJECT: MOVE OF 4711TH AIR DEFENSE WING HEADQUARTERS (UNCL)

TO: COMMANDER
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

1. REFERENCES:

A. CLASSIFIED MESSAGE, THIS HEADQUARTERS, EAOMO-C 1029, DATED 2 AUGUST 1955.

B. MESSAGE, THIS HEADQUARTERS, EAOMO 34662, DATED 17 AUGUST 1955.

C. CLASSIFIED MESSAGE, YOUR HEADQUARTERS, ACFOFR 08113, DATED 18 AUGUST 1955.

2. THE FOLLOWING PLAN HAS BEEN DEVELOPED FOR THE MOVEMENT OF THE 4711TH AIR DEFENSE WING HEADQUARTERS FROM PRESQUE ISLE AIR FORCE BASE, MAINE TO SELFRIDGE AIR FORCE BASE, MICHIGAN.

A. AN ADVANCE ECHELON OF THE 4711TH AIR DEFENSE WING HEADQUARTERS WILL DEPART PRESQUE ISLE AIR FORCE BASE SO AS TO BE IN PLACE AT SELFRIDGE AIR FORCE BASE BY 1 FEBRUARY 1956. THIS ADVANCE ECHELON WILL BE KNOWN AS DETACHMENT #1, 4711TH AIR DEFENSE WING HEADQUARTERS AND WILL BE RESPONSIBLE FOR MAKING ARRANGEMENTS FOR SPACE, SUPPLIES, EQUIPMENT AND HOUSING FOR THE ENTIRE WING HEADQUARTERS.

B. THE 4711TH AIR DEFENSE WING HEADQUARTERS WILL CONTINUE TO FUNCTION AT IT'S PRESENT LOCATION AND WITH IT'S PRESENT MISSION UNTIL 0001Z, 1 MARCH 1956, AT WHICH TIME BUSINESS WILL BE CLOSED AT THE PRESENT LOCATION OF PRESQUE ISLE AIR FORCE BASE AND SIMULTANEOUSLY OPENED AT SELFRIDGE AIR FORCE BASE. THIS CHANGE OF COMMAND POSTS IS TO OCCUR CONCURRENT WITH THE EADF BOUNDARY REALIGNMENT.

SECRET

553616 18

0525

COPY

SECRET

COPY

EAOMO SUBJECT: MOVE OF 4711TH AIR DEFENSE WING HEADQUARTERS (UNCL)

C. THE REMAINDER OF THE 4711TH AIR DEFENSE WING HEADQUARTERS WILL BE MOVED TO THE NEW LOCATION AS SOON AS PRACTICABLE AFTER THE CLOSE OF BUSINESS AT PRESQUE ISLE.

D. UPON CHANGE OF THE COMMAND POST ON 1 MARCH 1956, THE 4711TH AIR DEFENSE WING HEADQUARTERS WILL BE REASSIGNED FROM THE 32D AIR DIVISION (DEFENSE) TO THE 30TH AIR DIVISION (DEFENSE) AND THESE UNITS PRESENTLY ASSIGNED TO THE 4711TH AIR DEFENSE WING WILL BE REASSIGNED TO THE 32D AIR DIVISION (DEFENSE). CONCURRENTLY, THE FOLLOWING UNITS WILL BE ASSIGNED TO THE 4711TH AIR DEFENSE WING:

54TH FIGHTER GROUP (AD)
79TH FIGHTER GROUP (AD)
15TH FIGHTER GROUP (AD)
662ND AC&W SQUADRON
763RD AC&W SQUADRON
772ND AC&W SQUADRON

3. A REQUEST HAS BEEN SUBMITTED TO HEADQUARTERS, AIR DEFENSE COMMAND FOR THE NECESSARY AUTHORITY TO ISSUE MOVEMENT ORDERS TO EFFECT THIS ACTION. YOU WILL BE ADVISED UPON RECEIPT OF THIS AUTHORITY.

4. IT IS DESIRED THAT THE COMMANDER, 4711TH AIR DEFENSE WING SELECT AN ADVANCE ECHELON AND ADVISE THIS HEADQUARTERS AS TO THE MAKEUP OF THIS GROUP. THIS GROUP SHOULD BE SELECTED TO INSURE THE CAPABILITY REQUIRED BY PARAGRAPH 2B ABOVE.

5. DETAILED INSTRUCTIONS FOR IMPLEMENTATION OF THIS MOVEMENT PLAN WILL BE FORWARDED TO YOU UPON RECEIPT OF THE MOVEMENT DIRECTIVE.

6. THIS LETTER IS CLASSIFIED SECRET IN ACCORDANCE WITH PARAGRAPH 23c, AFR 205-1.

BY ORDER OF THE COMMANDER:

/s/t/ JOHN L. WARREN
COLONEL, USAF
ADJUTANT

CC: COMDR, 30TH ADIV

SECRET

553616

0526

COPY

SECRET

COPY

HQ EADF, SUBJ: MOVE OF 4711TH AIR DEFENSE WING HEADQUARTERS (UNCL)

OPR (23 SEPT 55)

1ST IND

29 SEPT 55

HQ 32D AIR DIVISION (DEFENSE), SYRACUSE AIR FORCE STATION,
SYRACUSE 6, NEW YORK

TO: COMMANDER, 4711TH AIR DEFENSE WING, PRESQUE ISLE AIR
FORCE BASE, PRESQUE ISLE, MAINE

FOR YOUR INFORMATION AND COMPLIANCE WITH PARAGRAPH 4.

BY ORDER OF THE COMMANDER:

/s/t/ GEORGE T DORMER
2NDLT, USAF
ASST ADJUTANT

DWOOT (23 SEP 55)

2ND IND

7 NOV 55

HQ 4711TH AIR DEFENSE WING, PRESQUE ISLE AFB, PRESQUE ISLE, MAINE

TO: COMMANDER, 32ND AIR DIVISION (DEFENSE), SYRACUSE AIR
FORCE STATION, SYRACUSE 6, NEW YORK

1. THE PRESENT PLAN FOR IMPLEMENTING THE MOVEMENT OF
THIS HEADQUARTERS PROVIDES FOR THREE (3) ECHELONS. EACH ECHE-
LON HAS IN ITS MAKEUP A REPRESENTATIVE NUMBER OF PEOPLE TO
ASSUME THE RESPONSIBILITIES OF THE MISSION OF EACH ECHELON
FOR EACH STAFF SECTION.

A. THE FIRST ECHELON'S PRIMARY RESPONSIBILITY WILL
BE THAT OF ESTABLISHING THE NECESSARY HOUSEKEEPING FACILITIES
PRIOR TO THE ARRIVAL OF THE SECOND ECHELON. THIS PARTY WILL
CONSIST OF FIVE (5) OFFICERS AND SEVEN (7) AIRMEN. THESE
PEOPLE WILL BE IN PLACE ON OR BEFORE 1 FEBRUARY 1956. FOLLOW-
ING IS THE BREAKDOWN BY JOB TITLE AND AFSC OF PERSONNEL:

(1) COMMAND:

(A) COMMANDANT 7024

(2) UNIT ADMINISTRATION:

(A) MORNING REPORT CLERK 73231

SECRET

553616

0527

COPY

SECRET

COPY

Hq EADF EAOMO SUBJECT: MOVE OF 4711TH AIR DEFENSE WING
HEADQUARTERS (UNCL)

- (B) ORGANIZATIONAL SUPPLY SPECIALIST 64151
- (3) PERSONNEL:
 - (A) PERSONNEL SUPERINTENDENT 73000
- (4) COMPTROLLER:
 - (A) DRAFTSMAN 22350
- (5) OPERATIONS:
 - (A) AIR TRANSPORTATION SUPERVISOR 60170
 - (B) CLERK 70250
 - (C) MANPOWER MANAGEMENT OFFICER 7336
- (6) MATERIEL:
 - (A) SUPPLY STAFF OFFICER 6416
 - (B) ORGANIZATIONAL SUPPLY SUPERVISOR 64173
 - (C) VEHICLE MAINTENANCE TECHNICIAN 47170
 - (D) COMMUNICATIONS-ELECTRONICS STAFF OFF 3016

B. THE SECOND ECHELON'S PRIMARY RESPONSIBILITY WILL BE THAT OF MAKING THE NECESSARY ARRANGEMENTS TO FACILITATE ACCEPTING FULL OPERATIONAL RESPONSIBILITY ON 1 MARCH 1956, IN THE NEW LOCATION. THIS PARTY WILL CONSIST OF NINE (9) OFFICERS, WHICH WILL INCLUDE THE DEPUTY WING COMMANDER, AND NINETEEN (19) AIRMEN. THESE PEOPLE WILL BE IN PLACE ON OR ABOUT 15 FEBRUARY 1956. FOLLOWING IS THE BREAKDOWN, BY JOB TITLE AND AFSC, OF THE PERSONNEL:

- (1) COMMAND:
 - (A) DEPUTY COMMANDER 00660
- (2) PERSONNEL:
 - (A) PERSONNEL STAFF OFFICER 7316
 - (B) PERSONNEL TECHNICIAN, THREE EACH 73270

SECRET

553616

0528

COPY

SECRET

COPY

Hq EADF EAOMO SUBJECT: MOVE OF 4711TH AIR DEFENSE WING
HEADQUARTERS (UNCL)

- | | |
|--|--------|
| (C) CLASSIFICATION SPECIALIST | 73250 |
| (D) PERSONNEL SPECIALIST | 73251 |
| (E) EDUCATION SPECIALIST | 75230 |
| (3) COMPTROLLER: | |
| (A) STAT SERVICES OFFICER | 6834 |
| (B) CLERK | 70250 |
| (4) OPERATIONS: | |
| (A) OPERATIONS STAFF OFFICER, TWO EACH | 1416 |
| (B) AIRCRAFT CONTROL STAFF OFFICER | 1616 |
| (C) INTELLIGENCE OPERATIONS TECHNICIAN | 20470 |
| (D) MANPOWER MANAGEMENT | 73370 |
| (E) COMMUNICATION-ELECTRONICS STAFF OFF | 3016 |
| (5) MATERIEL: | |
| (A) STOCK CONTROL TECHNICIAN | 64175 |
| (B) CHIEF CLERK | 70270 |
| (C) AIRCRAFT MAINTENANCE SUPERVISOR | 43171C |
| (D) AIRCRAFT CONTROL WARNING RADAR
MAINTENANCE TECHNICIAN | 30372 |
| (E) CLERK | 70250 |
| (6) ADJUTANT: | |
| (A) ADMINISTRATIVE STAFF OFFICER | 7016 |
| (B) CLERK, TWO EACH | 70250 |
| (C) CLERK, TWO EACH | 70230 |
| (D) DUPLICATION DEVICES OPERATOR | 71150 |

SECRET

553616

0529

COPY

SECRET

COPY

Hq EADF EAQMO SUBJECT: MOVE OF 4711TH AIR DEFENSE WING
HEADQUARTERS (UNCL)

(7) JUDGE ADVOCATE:

(A) LEGAL OFFICER

7824

C. THE THIRD ECHELON WILL CONSIST OF THE COMMANDER AND THE REMAINING PERSONNEL. THESE PEOPLE WILL SUSTAIN OPERATING AT PRESQUE ISLE FB UNTIL DETACHMENT 1 ASSUMES RESPONSIBILITY AT THE NEW LOCATION. AFTER 1 MARCH, THIS ECHELON WILL CLOSE OUT THE HEADQUARTERS' FORMER RESPONSIBILITY AND PROCEED TO SELFRIDGE ON AN AS-SOON-AS-POSSIBLE BASIS.

2. WE BELIEVE THE ABOVE PLAN WILL RESULT IN AN ORDERLY AND EFFICIENT MOVE FROM PRESQUE ISLE TO SELFRIDGE.

FOR THE COMMANDER:

/s/t/ ALBERT J. GRAFF
CAPTAIN, USAF
ADJUTANT

SECRET

553616

0530

COPY

SECRET

COPY

HQ EADF, SUBJ: MOVE OF 4711TH AIR DEFENSE WING HEADQUARTERS (UNCL)

OPR (23 SEPT 55)

3RD IND

15 NOV 1955

HQ 32D AIR DIVISION (DEFENSE), SYRACUSE AIR FORCE STATION,
SYRACUSE 6, NEW YORK

TO: COMMANDER, EASTERN AIR DEFENSE FORCE, STEWART AIR FORCE
BASE, NEWBURGH, NEW YORK

1. FORWARDED IN COMPLIANCE WITH PARAGRAPH 4 BASIC LETTER.
2. REQUEST THIS HEADQUARTERS BE ADVISED IF A CHANGE OF
DATE FOR THIS MOVEMENT IS A PORTION OF REALIGNMENT AS OUTLINED
IN YOUR ACTIVATION PLAN 101-55.

FOR THE COMMANDER:

/s/ EVERITT W. HOWE
/t/ EVERITT W. HOWE
MAJOR, USAF
ADJUTANT

SECRET

553616

0531

COPY

HQ 32D AD(D), SYR AFS, SYR, NY

UNCLASSIFIED

ROUTINE

COMDR, 4711TH ADW, PQI AFB, PQI ME

X

X

X

AFOOP-OP--U2
EAOMO 49754 UNCLASSIFIED

COMDR JT/EADF, STEWART AFB, NY
COMDR 30TH AD, WILLOW RUN AFS, MICH
COMDR 4708TH ADW, SELFRIDGE AFB, MICH

/UNCLASSIFIED/ACFOPR 12057. THIS MSG IN 6 PARTS.

PART 1: THIS IS A WARNING ORDER. IN ACCORDANCE WITH
DAF MOVEMENT DIRECTIVE AFOOP-OP-U2, YOU WILL MOVE THE
4711TH ADW HQ FROM PRESENT STATION TO SELFRIDGE AFB,
MICH ON EPD AFTER 1 MAR 56. PART 2: YOUR ATTENTION IS
DIRECTED TO USAF TELEGRAPHIC MOVEMENT DIRECTIVE AFOOP-
OP-U2, LETTER HQ ADC, ADOMO DTD 18 NOV 55 "MOVEMENT
DIRECTIVE FOR THE 4710TH AND 4711TH ADW AND EADF MSG
EAOMO 49754 WHICH ARE THE AUTHORITY FOR THIS MOVE. PART
3: YOUR PLAN OF MOVEMENT SUBMITTED TO THIS HQ 7 NOV 55
IS APPROVED. PART 3: YOUR SPECIFIC AND DETAILED ATTENT-
ION IS DIRECTED TO PARA 2A, b, c, OF LTR HQ EADF, EAOMO
DTD 23 SEP 55 "MOVE OF 4711TH ADW HQ (UNCL),

20/1

0532

COPY

AND FURTHER TO PARA 11c AFR 75-20? EACH OF WHICH MUST
BE COMPLIED WITH SPECIFICALLY. PART 5: MOVEMENT DIRECTIVE
WILL BE ISSUED BY THIS HQ ON OR ABOUT 1 FEB 56. PART 6:
MAJOR V. K. YEHLE, THIS HQ IS DESIGNATED DIVISION PRO-
JECT OFFICER FOR THIS MOVE.

UNCLASSIFIED 2 2
WARREN A HARMON, CAPT, USAF WILLIAM W SHELTON, LT COL
OPR/1520Z 6 DEC 55 092 00/142

0533

COPY

HQ 32D AD(D), SYR AFS, SYR, NY		UNCLASSIFIED
	ROUTINE	
COMDR, 4711TH ADW, PQ1 AFB, PQ1, ME		X
	X	X
	ACFOFR 12057	UNCLASSIFIED
COMDR, EADF, STEWART AFB, NY		
COMDR, 30TH AD, WILLOW RUN AFS, MICH		
COMDR, 4708TH ADW, SELFRIDGE AFB, MICH		

/UNCLASSIFIED/ACFOFR 12074. THIS MSG IN TWO PARTS:
 REF MY MSG ACFOFR 12057. PART 1: DISREGARD PART 5
 OF REF MSG. PART 2: MOVEMENT ORDER FOR THE 4711TH ADW
 WILL BE ISSUED BY THIS HQ ON OR ABOUT 15 DEC 55.

	UNCLASSIFIED	1	1
WARREN A HARMON, CAPT, USAF	WILLIAM W SHELTON, LT COL		
OFR/1500Z 8 DEC 55	092	000/142	

20/2

0534

TO: SAC, New York (100-100000) (P)
 FROM: SAC, New York (100-100000) (P)
 SUBJECT: 4711th Air Defense Wing

20 October 1955

SUBJECT: 4711th Air Defense Wing (4711th ADM Reg)

TO: Commander
 4711th Air Defense Wing
 Presque Isle Air Force Base
 Presque Isle, Maine

1. In compliance with Department of the Air Force telegraphic Movement Directive, AFOOP-CP-U2, you will take action necessary to move the 4711th Air Defense Wing Headquarters from Presque Isle Air Force Base, Maine to Selfridge Air Force Base, Michigan.

2. Unit Designation and Other Pertinent Data:

Unit	UMD Strength			UMD
	Off.	Am.	Civ.	
Hq 4711th ADW	75	22	14	Hq 4711th ADW, Sept 55, MAV Voucher No 56-5 dtd 30 Nov 55.
	26	7		

NOTE A: Unit will move at strength indicated in Unit Manning report, 32d AD P-8 dated 25 Nov 55, but in no case will it exceed the percentages shown in Personnel Priorities Designator for September and October 1955, nor will it include personnel who are in excess authorization contained in UMD code, 4711th ADM September 55, MAV Voucher No 56-5 dated 30 Nov 55.

(1) Readjustments and readjustments necessary to accomplish the above will be processed in accordance with EMBF Regulation 35-7.

3. Change of Station:

- a. This move constitutes a Permanent Change of Station.
- b. Effective 0001 1 Mar 56, the 4711th ADW is assigned to the 30th Air Division (Defense).

20/3

0535

Commander, 32d Air Division (Defense), Coldwater (4221st AEW Sqs)
(C-130)

e. An advanced party will be in place at Selfridge Air Force Base on 1 Feb 56.

f. The Command Post will be maintained at Pease Air Force Base, Maine until 3001 L. After which time the Command Post 4221st AEW at Selfridge will be used by the Command, reporting to the Commander 32d Air Division (Defense).

g. Reports of the dates of actions taken as directed herein will be made by means of the Air Force Organization Status Change Report. (Report Control Symbol AF-SC-01D) reference paragraph 11c AFM 73-20.

h. All unit readjustment actions will be taken by Commander FADF or higher headquarters.

5. Allowances of Clothing and Equipment:

a. Clothing and individual equipment is authorized as prescribed in mandatory allowances and will accompany all personnel. Reference: Volume 10 AFM 63-1.

b. Allowances of Special Equipment and Supplies:

(1) Unit will move with Unit Support Equipment as authorized in separate instructions to be furnished by Commander, FADF.

6. Equipment to accompany Unit from Present Station:

a. Individual and organizational equipment as indicated in paragraph 5 above.

b. Unit and welfare fund property and equipment.

7. Movement Dates:

a. Advance echelon to be in place 1 Feb 56.

b. Main Body - at earliest practical date after 1 Mar 56.

8. Method of Movement:

a. Movement of 200 to Selfridge Air Force Base, Michigan by military aircraft is authorized. Assistance may be requested of any group within the 32d Air Division (Defense).

C O P Y

C O P Y

HQ 32D AIR DIV, SYR AFS, SYR, NY 27/1920Z UNCLASSIFIED

ROUTINE

COMDR
4711TH ADW, PRESQUE ISLE AFB, PQI, ME X

X

COMDR
EADF, EASTERN AFB, STEWART AFB, NEWBURGH, NY
4707TH ADW, OTIS AFB, FALMOUTH, MASS
30TH AD (DEF), WILLOW RUN AFS, BELLEVILLE, MICH
ADC, ENT AFB, COLORADO SPRINGS, COLO

/UNCLASSIFIED/ACFOPR 12164. REF MOVEMENT ORDER FOR 4711TH
AIR DEFENSE WING HQ, PARA 2 AS READS: UMD STRENGTH OFFICER (74)
AIRMEN (23) SHOULD READ OFFICER 26 AIRMEN 72. REQ PEN AND INK
CORRECTIONS BE MADE TO ALL SUBJECT MOVEMENT ORDERS.

UNCLASSIFIED 1 1

WARREN A. HARMON, CAPT, USAF WILLIAM W. INGENHUTT, COL., USAF

OPR/1600Z 27 Dec 55 092 ODO/142

20/4

0537

COPY

COPY

HQ 32D AD(D), SYR AFS, SYR, NY 17/1930Z UNCLASSIFIED

ROUTINE

COMDR, 4711TH ADM, PGI AFB, ME

X

X

DMCE-22A

/UNCL/ACFOPR 01095. REF URMSG DMCRS-22A. CHGS WILL BE
PUB AS AMEND MOV ORDER. PART I URMSG IS NOT AFAVORABLY
CONSIDERED.

UNCLASSIFIED

1

1

VERNON K. YEHLE, MAJOR, USAF

WILLIAM W. INGENHUTT, COL., USAF

OPR 1430Z 17 JAN 56

092

ODD/142

20/5

0538

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
Syracuse Air Force Station
Syracuse 6, New York

OPR

15 January 1956

SUBJECT: Amendment to Movement Order (4711th ADW Hq, dtd 20 Dec 55)

TO: Commander
4711th Air Defense Wing
Presque Isle Air Force Base
Presque Isle, Maine

1. Changes to subject Movement Order are published as follows:
 - a. Reference par 2. Change UMD Strength to read "26 Officers, 72 Airmen, 14 Civilians."
 - b. Reference par 3e. Change to read "Report Control Symbol AF-01."
 - c. Reference par 10d. Change fund citation to read "5763500 048-201 F532-02-03-07 S99-999."

BY ORDER OF THE COMMANDER:

Everitt W Howe
EVERITT W HOWE
Major, USAF
Adjutant

DISTRIBUTION:

5 - ADC ATTN: M&O
20 - EADF ATTN: M&O
5 - 30th AD(D) ATTN: M&O
15 - 4711th ATTN: M&O
5 - 4707th ATTN: M&O
10 - 32d AD(D)

20/6

0539

HEADQUARTERS
370 AIR DIVISION (DEFENSE)
Syracuse Air Force Station
Syracuse 6, New York

MINUTES OF THE STAFF MEETING - 6 January 1956

At the staff meeting called at 0830 on 6 January 1956, briefings were given by the deputies as follows:

Commander

General Israel: Looking through past staff minute records, Colonel O'Neill brought to my attention the fact that sometime back we spoke of the necessity of bringing group commanders in here to see how we would be organized, with the loss of the 4711th Air Defense Wing. We are getting augmentation forces in this headquarters to undertake many of the functions that the wings had in the past performed for groups, etc. When I was at Eastern, they agreed with our proposed organization but, unfortunately, there are not enough positions implemented the way we had it figured out. The point is, very soon we will have to get group commanders in here to sit down and figure out the flow of functions such as those outlined in HADW 23-1. Think, Colonel O'Neill, we had better call them in here soon and sit down with them and line this thing up. What I would like to do is assign all squadrons under groups and have everything channeled through groups to this headquarters. There will be things in the personnel field and materiel field which will have to go direct to uniting squadrons because groups will not be able to take care of them.

One other thing is, the drive is on to get reports in on time and get them in accurately. The Division is now being held responsible for all reports and all matters. Take a look over what reports subordinate units are sending in and get them to send us a copy so that we can check on them.

Comptroller

Captain Posters: He received a hurried phone call for the third quarter revisitor to the financial plan yesterday from Griffiss. They want it back on time. There was an increase in the contract maintenance of equipment by the amount of \$400.00. Briefing charts will be ready this morning.

Colonel O'Neill: You could call officers and give them instructions to follow up on these reports.

Deputy for Materiel

Lt Colonel Chido: Received word that 6114 AFM is going to gain one T-33 and Niagara Falls is going to lose one T-33. Also, received a TWX stating that a Mr. Rogers, Chuck Roe, Henry Gyroscope Company will be assigned to this division. He will cover Presque Isle, Ethan Allen and Griffiss AFB.

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
Syracuse Air Force Station
Syracuse 6, New York

MINUTES OF THE STAFF MEETING - 19 January 1956

At the staff meeting called at 0830 on 19 January 1956, briefings were given as follows:

Commander

Colonel O'Neill: There will be a meeting right after the staff meeting this morning, conducted by Colonel Ingenhutt, on the problems we will face after the 4711th is separated from the 32d Air Division. This is in preparation for the meeting coming up next week with group commanders. There will be a discussion on C&E problems and other things that we think groups should handle.

I noticed on a Report of Vulnerability Test that the 27th FIS is having problems on security. Would like the Inspector General to inform the wing to take a look into it and brief the 27th FIS Commander.

Have a report here of a staff visit by the Chaplain and he brings up a few points:

There is a Chaplain's report that comes through every month for indorsement by the Commander or Vice Commander. Inasmuch as OER's are prepared on Chaplains, it was suggested that possibly these monthly reports could be discontinued since they are of a routine nature. Captain Foster, will you look into that?

Another problem is the coverage of the GOC in Montpelier by the Chaplain in Ethan Allen, which requires a long trip. It was felt that possibly the Chaplain coverage could be easily taken care of by the adjacent base - even though it is a SAC base. It could be handled somewhat like our out-of-the-way bases where logistical, medical and financial support is given by the closest base. Colonel Fenn, will you look into that?

Controller

Captain Foster: Would like to request that when people correspond with units on reporting material that they identify reports by RCS number and title. Insufficient identification can cause a lot of additional correspondence.

21/3

OVER

0542

Hq, 32d Air Div (Def) Minutes of the Staff Meeting, 19 January
1956

Surgeon

Dr. Shultz: Influenza vaccine arrived yesterday.

Colonel O'Neill: Are you going to run a roster on that?

Dr. Shultz: Yes, Sir.

Deputy for Materiel

Lt Colonel Chido: Yesterday we sent a wire to the 4711th Wing requesting that this headquarters be sent information copies of all correspondence on materiel matters for the purpose of keeping us informed before taking over the business. Talked to Colonel Doswell, EADF, and asked him if we might have information copies of all correspondence going down to the wing. He thought it was a good idea and would start it immediately.

Another item coming up again is the location of C-119 aircraft. They want us to go in with the recommendation of where to assign the C-119. Assigning one to a base has not proven very effective. We are going to get into that with operations today or tomorrow.

There is a team going in to Bucks Harbor on 19 January 1956 for a period of approximately 45 days to install radar equipment. That indicates to me, Colonel Ingenhutt, that the unit might become operational some time in March or April.

Colonel Ingenhutt: It should be operational in March.

204

HEADQUARTERS
3RD AIR DIVISION (DEFENSE)
Syracuse Air Force Station
Syracuse 6, New York

MINUTES OF THE STAFF MEETING - 23 January 1956

At the staff meeting called at 0830 on 23 January 1956, the following was presented:

Commander, 3d Sq Station

Major Verbeck: The morning report strength as of Friday morning was 85 officers and 399 airmen.

MINUTES OF THE STAFF MEETING - 24 January 1956

At the staff meeting called at 0830 on 24 January 1956, the following briefings were presented:

Commander

Colonel O'Neill: The group commander's meeting scheduled for today will be postponed until tomorrow due to weather conditions.

General Partridge, ADC, is on an inspection trip at the present time. He will be going into St. Hubert AFB on the evening of 30 January. He will RGN there and from there to St. Huberts, Canada on the thirty-first and to Presque Isle and Otis AFB on the first of February. He is going to be in Presque Isle one and a half hours and at Otis for one hour.

On the case of the V-23 coming up, would like to see them built up, Colonel Penn, full strength. Better start on it right now.

It Colonel Penn: On that, what will happen, Eastern and ADC will decide the percentage of meeting they will be allowed.

Colonel O'Neill: Let's start work on it and get people in there who are eligible to move with them and people who are not eligible, draw them out.

Inspector

Captain Eastern: Have not been able to get the V-23 reports in to Eastern yet. Have had an aircraft standing by, but weather has held them up. Does not look very favorable today either.

21/4

0544

Hq 301 Air Division (Det) Minutes of the Staff Meeting, 24 January 1956
(Cont'd)

Colonel O'Neill: There are only two aircraft in commission. If you are not able to fly them down, possibly you had better mail them.

Captain Webster: Called Eastern yesterday in regard to our duties and what help they could give us with the additional workload we will assume with the loss of the 4711th Wing. In a week or ten days from now they are sending someone down to discuss this with us. Eastern's manual on this is fine for them and also for us, but it is not for anything below us. Progress later have to be thought, etc. Would like to get the authority from Eastern to make our own manual here. In the meantime, we are going ahead and making our plans here and will coordinate same with the various staff sections individually.

Colonel O'Neill: Goes into my office after the meeting and we will discuss this further.

REPORT

Dr. Shaffer: Wish to read everyone of the film shots which are being given.

Report on Material

1st Colonel O'Neill: Received a wire today from Prague Tels regarding aircraft arresting barrier, Type MA-1. One set consisting of two end barriers was received at Prague Tels complete with all components except base.

Colonel O'Neill: Where did they come from?

1st Colonel O'Neill: Supply Depot.

Colonel O'Neill: What action is being taken on it?

1st Colonel O'Neill: Have not received that. The wire just came to this morning.

Colonel O'Neill: Let's see what can be done about it.

Report on General

Major Phillips: Prague Tels 401 has been contacted and will take action right away on the receipt of the 301st TIS.

Would like to read the report that the 301st "Nightmare in Red" is being reported on teleconference this morning at 11:00 on Channel 1. It is a very nice presentation in itself.

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
Syracuse Air Force Station
Syracuse 6, New York

MINUTES OF THE STAFF MEETING - 14 February 1956

At the staff meeting called at 0830 on 14 February 1956, briefings were presented as follows:

Commander

General Israel: I was talking to General Agan, EADF, on the telephone. ADC has in the past placed many restrictions on planning by Eastern Headquarters for transition to SAGES and, consequently, we have been held to the program book. When we wrote in making certain recommendations on changes in the program, with the view of saving personnel and money, same was disapproved because Eastern's hands were tied. However, ADC has indicated that they are going to leave more of the details up to Eastern. General Agan was working frantically yesterday, when I called him, with a view of taking action on cancelling actions which are programmed. He did say that - you may not have just one wing in a division, two or more, or no wings at all. They have got to move fast as the transfer of the 4711th is taking place.

Colonel O'Neill: It has already started.

Lt Colonel Fenn: They have cut three sets of orders. The advance party already left, next party will leave this week and the last one will leave the end of this month.

General Israel: Don't know what is going to happen. They are working on organization there again but insofar as we are concerned, personnel presently assigned to this station will remain here for SAGES. Want everyone to stay alert and keep thinking of ways of making this transition to SAGES.

Lt Colonel Fenn: The 4711th Wing called yesterday. They received word to stop movement of all personnel. They were very upset about it. I told them to sit tight.

Comptroller

Captain Foster: I am leaving this evening for Brunswick NAS to iron out the difficulties there.

Commander, Hq Sq Section

Major Verbeck: Would like to ask all sections to check their offices for GI coffee cups for return to the Mess Hall.

2/15

0546

Hq, 32d Air Division (Def) Minutes of the Staff Meeting - 14 February 1956
(Cont'd)

Deputy for Materiel

Lt Colonel Chido: Received Headquarters ADC logistic plan for support of low altitude gap filler radar. Communications and Electronics and I got together yesterday. Captain Stark is the monitoring officer.

General Israel: Would like to be briefed on construction program for same.

Colonel O'Neill: I have not been brought up to date on it. The 654th AC&W Squadron has no information on it at all.

Deputy for Personnel

Lt Colonel Fenn: I previously mentioned the Systems Training Program. I have some additional information. A three-day indoctrination period will be programmed for key personnel from division and squadrons. This will be for such people as DC, DF, or whomever you feel should go. Three people will be nominated from division level. We are utilizing our own TDY funds.

General Israel: The person in charge of training should go. Also, two people from the Operations shop.

Vice Commander

Colonel O'Neill: Colonel Fenn is going to the 465th FIS tomorrow and I definitely think we ought to keep thinking about making more visits to that unit. Someone from Maintenance and possibly the DC shop. Let's find out about directives, etc.

General Israel: Chaplain Goshorn, would you inform me of our program for missions during the Lenten Season at all of our installations?

Chaplain Goshorn: Right now, we have Watertown and this base which will have to be programmed. Otis is programmed for out of Otis and the others, the same way. Have no definite time set.

General Israel: I would like to assure myself that our radar sites are covered.

Chaplain Goshorn: They will be covered. That is a regulation that has to be complied with. Saratoga Springs is not set up. However, that will be out of the division and will be over in the 26th Air Division next month, but I will set it up beforehand.

60A

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
Syracuse Air Force Station
Syracuse 6, New York

MINUTES OF THE STAFF MEETING - 20 February 1956

At the staff meeting called at 0830 on 20 February 1956, briefings were given by the deputies as follows:

Commander

General Israel: Tyn dall is doing a pretty good job. We have to realize they have a problem. About 50% of the controllers would rather not be there and rather not be doing what they are. There are a lot of people that do not want to learn. They have an 8-week course there. Believe they should have an additional week for military training and for tactics. Think that would round out the boys a little better. They have a good package course there for the 80D. They take flight commander type boys and really give them the works. They make them do the instrument course until perfect. Then, rocketry and everything else. When they come back from that school, they should be used as training officers in a squadron, or someplace where they can pass on their knowledge, which is good. They are trained right at Tyn dall, and these boys should be utilized in the fields for which they are trained.

Deputy for Material

Lt Colonel Child: Brigadier General Stanley Wray, Chief of SAGES, was due here this morning. The trip was postponed until tomorrow.

The other item I have is personnel shortage. It is really starting to show. In fact, the 4711th Air Defense Wing is out of business and we are getting all their business here. The unit says they cannot lose them. It is getting to the point where I recommend that we get people. Most of the people from the 4711th Air Defense Wing have departed for Selfridge.

Colonel O'Neill: We don't know who went. They don't know themselves as they are in a state of confusion there.

Deputy for Personnel

Lt Colonel Penn: To continue on the same subject, don't know the exact number of people that have gone. Eighteen airmen departed Presque Isle. That is practically the whole Material shop intact. I have a list coming in this morning's mail.

General Israel: On that, Colonel Penn, if they have gone to Selfridge, they are bound to have in-bound people for Selfridge. We can get those diverted here.

21/6

0548

C O P Y

HQ 32D AD(D) SYR AFS, SYR, NH 061923 UNCLASSIFIED
COMDR 4711TH ADM, PQI, ME ROUTINE
X

COMDR 14TH FTR GP, BURLINGTON, VT
COMDR 23RD FTR GP, PQI, ME

/UNCLASSIFIED/ACFOFR 01022. THIS HQ PLANS A
CONFERENCE DURING WEEK OF 16 JAN TO DISCUSS ORGANIZATION
OF 32D AD(D) AFTER 1 MARCH 56. REQ GROUP COMDRS ATTEND
DATE AND TIME WILL BE ANNOUNCED.

UNCLASSIFIED 1 1
V. K. YEHLE, MAJOR, USAF WILLIAM W. INGENHUTT, COL, USAF
OFR 1515Z 6 JAN 56 092 00/142

12/1

0549

HEADQUARTERS
EASTERN AIR DEFENSE FORCE (ADC)
Stewart Air Force Base, Newburgh, NY

GENERAL ORDERS)
NUMBER 14)

3 February 1956

REASSIGNMENT OF UNITS.SECTION I
FURTHER ASSIGNMENT OF UNITSECTION II
DISCONTINUANCE OF UNITS.SECTION III
ORGANIZATION OF UNITS.SECTION IV

SECTION I

1. Effective 1 March 1956, the following establishments and/or units are reassigned as indicated:

<u>Establishment or Unit</u>	<u>Relieved from Assignment to</u>	<u>Assigned To</u>
4707th AIR DEF WG	32d AIR DIV (DEF)	26th AIR DIV (DEF)
4711th AIR DEF WG	32d AIR DIV (DEF)	30th AIR DIV (DEF)
14th Fighter Group (AIR DEF)	4711th AIR DEF WG	32d AIR DIV (DEF)
23d Fighter Group (AIR DEF)	4711th AIR DEF WG	32d AIR DIV (DEF)
27th Fighter Interceptor SQ	4711th AIR DEF WG	32d AIR DIV (DEF)
465th Fighter Interceptor SQ	4711th AIR DEF WG	32d AIR DIV (DEF)
654th ACW SQ	4707th AIR DEF WG	32d AIR DIV (DEF)
655th ACW SQ	4707th AIR DEF WG	32d AIR DIV (DEF)
764th ACW SQ	4707th AIR DEF WG	32d AIR DIV (DEF)
765th ACW SQ	4707th AIR DEF WG	32d AIR DIV (DEF)
766th ACW SQ	4707th AIR DEF WG	32d AIR DIV (DEF)
907th ACW SQ	4707th AIR DEF WG	32d AIR DIV (DEF)
911th ACW SQ	4707th AIR DEF WG	32d AIR DIV (DEF)
4710th AIR DEF WG	26th AIR DIV (DEF)	37th AIR DIV (DEF)
4706th AIR DEF WG	30th AIR DIV (DEF)	37th AIR DIV (DEF)
56th Fighter Interceptor SQ	4706th AIR DEF WG	58th AIR DIV (DEF)
319th Fighter Interceptor SQ	4706th AIR DEF WG	58th AIR DIV (DEF)
663d ACW SQ	35th AIR DIV (DEF)	58th AIR DIV (DEF)
664th ACW SQ	4706th AIR DEF WG	58th AIR DIV (DEF)
704th ACW SQ	4706th AIR DEF WG	58th AIR DIV (DEF)
782d ACW SQ	4706th AIR DEF WG	58th AIR DIV (DEF)
783d ACW SQ	4708th AIR DEF WG	58th AIR DIV (DEF)
784th ACW SQ	4706th AIR DEF WG	58th AIR DIV (DEF)
809th ACW SQ	4708th AIR DEF WG	58th AIR DIV (DEF)
355th Fighter Group (AIR DEF)	35th AIR DIV (DEF)	58th AIR DIV (DEF)
867th ACW SQ	35th AIR DIV (DEF)	58th AIR DIV (DEF)
48th Fighter Interceptor SQ	4710th AIR DEF WG	85th AIR DIV (DEF)
95th Fighter Interceptor SQ	4710th AIR DEF WG	85th AIR DIV (DEF)
632d ACW SQ	35th AIR DIV (DEF)	85th AIR DIV (DEF)
647th ACW SQ	4710th AIR DEF WG	85th AIR DIV (DEF)
649th ACW SQ	4710th AIR DEF WG	85th AIR DIV (DEF)

22/2

GO 14 HEDEADF (ADC) Stewart AFB Newburgh NY 3 FEB 56 (CONT)
(PARA 1 SECTION I CONT)

<u>Establishment or Unit</u>	<u>Relieved From Assignment To</u>	<u>Assigned To</u>
701st ACW SQ	35th AIR DIV (DEF)	85th AIR DIV (DEF)
771st ACW SQ	4710th AIR DEF WG	85th AIR DIV (DEF)
752d ACW SQ	4708th AIR DEF WG	4706th AIR DEF WG
773d ACW SQ	4709th AIR DEF WG	4707th AIR DEF WG
52d Fighter Group (AIR DEF)	4709th AIR DEF WG	4707th AIR DEF WG
46th Fighter Interceptor SQ	4710th AIR DEF WG	4709th AIR DEF WG
770th ACW SQ	4710th AIR DEF WG	4709th AIR DEF WG
82d Fighter Group (AIR DEF)	4710th AIR DEF WG	4709th AIR DEF WG
665th ACW SQ	4706th AIR DEF WG	4710th AIR DEF WG
507th Fighter Group (AIR DEF)	4706th AIR DEF WG	4710th AIR DEF WG
753d ACW SQ	4706th AIR DEF WG	4710th AIR DEF WG
906th ACW SQ	4706th AIR DEF WG	4710th AIR DEF WG
913th ACW SQ	4708th AIR DEF WG	4710th AIR DEF WG
914th ACW SQ	4708th AIR DEF WG	4710th AIR DEF WG
662d ACW SQ	4708th AIR DEF WG	4711th AIR DEF WG
763d ACW SQ	4707th AIR DEF WG	4711th AIR DEF WG
772d ACW SQ	4710th AIR DEF WG	4711th AIR DEF WG
15th Fighter Group (AIR DEF)	4707th AIR DEF WG	4711th AIR DEF WG
54th Fighter Group (AIR DEF)	4708th AIR DEF WG	4711th AIR DEF WG
79th Fighter Group (AIR DEF)	4708th AIR DEF WG	4711th AIR DEF WG

2. The pertinent provisions of Air Force Manuals 171-6 and 181-5 are applicable.

3. Upon completion of action directed herein, Air Force Organization Status Change Report (Reports Control Symbol AF-01) will be prepared in accordance with Chapter 21, Eastern Air Defense Force Manual 171-2, and submitted to the Commander, Eastern Air Defense Force, to arrive not later than 0800 hours the first calendar day following the "as of" date.

4. Authority: Air Force Regulation 20-27; Letter, Headquarters Air Defense Command, ADOMO, Subject: "Reassignment, Discontinuance and Organization of Units within Eastern Air Defense Force", dated 20 January 1956; and message, Headquarters ADC, ADOMO 04881, 27 January 1956.

SECTION II

1. Effective 1 March 1956, the 473d Materiel Squadron is further assigned to the 4710th Air Defense Wing.

2. The pertinent provisions of Air Force Manuals 171-6 and 181-5 are applicable.

GO 14 HEDEADF (ADC) Stewart AFB Newburgh NY 3 GEB 56 (CONT)
(SECTION II CONT)

3. Upon completion of action directed herein, Air Force Organization Status Change Report (Reports Control Symbol AF-01) will be prepared in accordance with Chapter 21, Eastern Air Defense Force Manual 171-2, and submitted to the Commander, Eastern Air Defense Force, to arrive not later than 0800 hours the first calendar day following the "as of" date.

4. Authority: Air Force Regulation 20-27; and, letter, Headquarters Air Defense Command, Subject: "Reassignment, Discontinuance and Organization of Units within Eastern Air Defense Force", dated 20 January 1956.

SECTION III

1. Effective 1 March 1956, the following units are discontinued at locations indicated:

<u>Unit</u>	<u>Location</u>
Detachment #5, 4670th Ground Observer Squadron	Pittsburgh, Pennsylvania
Detachment #6, 4670th Ground Observer Squadron	Baltimore, Maryland
Detachment #7, 4670th Ground Observer Squadron	Richmond, Virginia
Detachment #8, 4670th Ground Observer Squadron	Roanoke, Virginia
Detachment #9, 4670th Ground Observer Squadron	Charleston, West Virginia
Detachment #2, 4671st Ground Observer Squadron	Chicago, Illinois
Detachment #3, 4671st Ground Observer Squadron	Terre Haute, Indiana
Detachment #5, 4671st Ground Observer Squadron	Columbus, Ohio
Detachment #7, 4671st Ground Observer Squadron	Louisville, Kentucky
Detachment #8, 4671st Ground Observer Squadron	Lexington, Kentucky
Detachment #9, 4671st Ground Observer Squadron	Green Bay, Wisconsin
Detachment #1, 4673d Ground Observer Squadron	Buffalo, New York
Detachment #3, 4673d Ground Observer Squadron	Albany, New York
Detachment #4, 4673d Ground Observer Squadron	Manchester, New Hampshire
Detachment #1, 4674th Ground Observer Squadron	Nashville, Tennessee
Detachment #2, 4674th Ground Observer Squadron	Knoxville, Tennessee
Detachment #3, 4674th Ground Observer Squadron	Durham, North Carolina
Detachment #4, 4674th Ground Observer Squadron	Charlotte, North Carolina

2. Personnel from discontinued units will be reassigned without change in duty station, as indicated: (EDCSA: 1 March 1956)

<u>From</u>	<u>To</u>
Detachment #5, 4670th GND OBSR SQ	Detachment #11, 4671st GND OBSR SQ
Detachment #6, 4670th GND OBSR SQ	Detachment #5, 4716th GND OBSR SQ
Detachment #7, 4670th GND OBSR SQ	Detachment #2, 4716th GND OBSR SQ
Detachment #8, 4670th GND OBSR SQ	Detachment #3, 4716th GND OBSR SQ
Detachment #9, 4670th GND OBSR SQ	Detachment #5, 4717th GND OBSR SQ
Detachment #2, 4671st GND OBSR SQ	Detachment #2, 4718th GND OBSR SQ

GO 14 HEDEADF (ADC) Stewart AFB Newburgh NY 3 FEB 56 (CONT)
(PARA 2 SECTION III CONT)

<u>From</u>	<u>To</u>
Detachment #3, 4671st GND OBSR SQ	Detachment #1, 4717th GND OBSR SQ
Detachment #5, 4671st GND OBSR SQ	Detachment #2, 4717th GND OBSR SQ
Detachment #7, 4671st GND OBSR SQ	Detachment #3, 4717th GND OBSR SQ
Detachment #8, 4671st GND OBSR SQ	Detachment #4, 4717th GND OBSR SQ
Detachment #9, 4671st GND OBSR SQ	Detachment #1, 4718th GND OBSR SQ
Detachment #1, 4673d GND OBSR SQ	Detachment #1, 4671st GND OBSR SQ
Detachment #3, 4673d GND OBSR SQ	Detachment #11, 4670th GND OBSR SQ
Detachment #4, 4673d GND OBSR SQ	Detachment #10, 4670th GND OBSR SQ
Detachment #1, 4674th GND OBSR SQ	Detachment #6, 4717th GND OBSR SQ
Detachment #2, 4674th GND OBSR SQ	Detachment #7, 4717th GND OBSR SQ
Detachment #3, 4674th GND OBSR SQ	Detachment #4, 4716th GND OBSR SQ
Detachment #4, 4674th GND OBSR SQ	Detachment #1, 4716th GND OBSR SQ

3. Equipment rendered surplus by this action will revert to stock to fill present and future requirements. Unit Allowance List is voided.

4. The pertinent provisions of Air Force Manual 171-6 are applicable.

5. Funds will be disposed of in accordance with current directives.

6. Organizational records will be disposed of in accordance with Air Force Manual 181-5.

7. Upon completion of action directed herein, Air Force Organization Status Change Report (Reports Control Symbol AF-01) will be prepared in accordance with Chapter 21, Eastern Air Defense Force Manual 171-2, and submitted to the Commander, Eastern Air Defense Force, to arrive not later than 0800 hours the first calendar day following the "as of" date.

8. Authority: Same as in Section II of this general order.

SECTION IV

1. Effective 1 March 1956, the following units are designated, assigned as indicated, and organized under appropriate Unit Manning Documents, at locations indicated:

<u>Unit</u>	<u>Assignment</u>	<u>Location</u>
Detachment #10, 4670th GND OBSR SQ	4670th GND OBSR SQ	Manchester, NH
Detachment #11, 4670th GND OBSR SQ	4670th GND OBSR SQ	Albany, NY
Detachment #1, 4671st GND OBSR SQ	4671st GND OBSR SQ	Buffalo, NY
Detachment #11, 4671st GND OBSR SQ	4671st GND OBSR SQ	Pittsburgh, PA
Detachment #1, 4716th GND OBSR SQ	4716th GND OBSR SQ	Charlotte, NC

GO 14 HEDEADF (ADC) Stewart AFB Newburgh NY 3 FEB 56 (CONT)
(PARA 1 SECTION IV CONT)

<u>Unit</u>	<u>Assignment</u>	<u>Location</u>
Detachment #2, 4716th GND OBSR SQ	4716th GND OBSR SQ	Richmond, VA
Detachment #3, 4716th GND OBSR SQ	4716th GND OBSR SQ	Roanoke, VA
Detachment #4, 4716th GND OBSR SQ	4716th GND OBSR SQ	Durham, NC
Detachment #5, 4716th GND OBSR SQ	4716th GND OBSR SQ	Baltimore, MD
Detachment #1, 4717th GND OBSR SQ	4717th GND OBSR SQ	Terre Haute, IND
Detachment #2, 4717th GND OBSR SQ	4717th GND OBSR SQ	Columbus, Ohio
Detachment #3, 4717th GND OBSR SQ	4717th GND OBSR SQ	Louisville, KY
Detachment #4, 4717th GND OBSR SQ	4717th GND OBSR SQ	Lexington, KY
Detachment #5, 4717th GND OBSR SQ	4717th GND OBSR SQ	Charleston, WVA
Detachment #6, 4717th GND OBSR SQ	4717th GND OBSR SQ	Nashville, TENN
Detachment #7, 4717th GND OBSR SQ	4717th GND OBSR SQ	Knoxville, TENN
Detachment #1, 4718th GND OBSR SQ	4718th GND OBSR SQ	Green Bay, WIS
Detachment #2, 4718th GND OBSR SQ	4718th GND OBSR SQ	Chicago, ILL

2. Personnel will be furnished from sources available to the air divisions (defense) concerned.

3. Organizational equipment is authorized by the Unit Authorization List to be published by this headquarters.

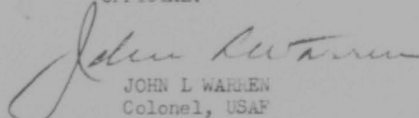
4. The pertinent provisions of Air Force Manual 171-6 are applicable.

5. Upon completion of action directed herein, Air Force Organization Status Change Report (Reports Control Symbol AF-01) will be prepared in accordance with Chapter 21, Eastern Air Defense Force Manual 171-2 and submitted to the Commander, Eastern Air Defense Force, to arrive not later than 0800 hours the first calendar day following the "as of" date.

6. Authority: Same as in Section II of this general order.

BY ORDER OF THE COMMANDER:

OFFICIAL:


JOHN L WARREN
Colonel, USAF
Adjutant

W. R. GROHS
Colonel, USAF
Chief of Staff

DISTRIBUTION:

A plus
30 - AAG HEDUSAF (ATTN: PUB DIV)
90 - COMDR ADC (ATTN: M&C)
10 - FACMO
5 - FACST

5

0554

COPY

COPY

FNBE B16
RR RJEDEN RJEPDG RJEPSN RJEPDH
DE RJEPNB 25
R 131642Z
FM HEDEADF STEWART AFR NY
TO RJEPSN/COMDR 32D AIR DIV SYRACUSE AFS NY
RJEPDG/COMDR 4707TH ADM OTIS AFB MASS
RJEPDH/COMDR 4711TH ADM PRESQUE ISLE AFB ME
INFO RJEDEN/COMDR ADC ENT AFB COLO
BT
(UNCLASSIFIED) EAOMO 5965. SO MUCH OF PARA 1, SECTION 1, EADF BO 14,
3 FEB 56 AS READS "4707TH AIR DEF WG" IS BEING AMENDED TO READ
"4711TH AIR DEF WG", AS PERTAINS TO REASGMT OF THE 655TH, ~~764TH~~,
765TH, 766TH, 907TH AND 911TH ADM SQS.
BT
13/1948Z FEB RJEPNB

22/3

0555

HEADQUARTERS
EASTERN AIR DEFENSE FORCE (ADC)
Stewart Air Force Base, Newburgh, NY

GENERAL ORDERS)
NUMBER 17)

13 February 1956

AMENDMENT OF GENERAL ORDER

So much of paragraph 1, Section I, of Eastern Air Defense Force General Orders number 14, 3 February 1956 as reads:

<u>Establishment or Unit</u>	<u>Relieved from Assignment to</u>	<u>Assigned To</u>
655th ACW SQ	4707th AIR DEF WG	32d AIR DIV (DEF)
764th ACW SQ	4707th AIR DEF WG	32d AIR DIV (DEF)
765th ACW SQ	4707th AIR DEF WG	32d AIR DIV (DEF)
766th ACW SQ	4707th AIR DEF WG	32d AIR DIV (DEF)
907th ACW SQ	4707th AIR DEF WG	32d AIR DIV (DEF)
911th ACW SQ	4707th AIR DEF WG	32d AIR DIV (DEF)

is amended to read:

<u>Establishment or Unit</u>	<u>Relieved from Assignment to</u>	<u>Assigned To</u>
655th ACW SQ	4711th AIR DEF WG	32d AIR DIV (DEF)
764th ACW SQ	4711th AIR DEF WG	32d AIR DIV (DEF)
765th ACW SQ	4711th AIR DEF WG	32d AIR DIV (DEF)
766th ACW SQ	4711th AIR DEF WG	32d AIR DIV (DEF)
907th ACW SQ	4711th AIR DEF WG	32d AIR DIV (DEF)
911th ACW SQ	4711th AIR DEF WG	32d AIR DIV (DEF)

BY ORDER OF THE COMMANDER:

OFFICIAL:

W. R. GROBE
Colonel, USAF
Chief of Staff

John L. Warren
JOHN L. WARREN
Colonel, USAF
Asst Adjutant

DISTRIBUTION:

A plus
30 - AF HEDSOF (ATTN: AFD DIV)
10 - COMR ADC (ATTN: WAO)
5 - LADSO
5 - LACST

22/4

0556

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
Syracuse Air Force Station
Syracuse 6, New York

MINUTES OF THE STAFF MEETING - 28 February 1956

At the staff meeting called at 0830 on 28 February 1956, briefings were given by the deputies as follows:

Commander

General Israel: As yet, we have not received an answer from EADF on the organization. We are trying to get authority from them to put squadrons under groups. If we can't make the assignment directly, we can always attach squadrons to groups for all purposes, including efficiency reports.

Deputy for Operations

Lt Colonel Shelton: During the week end, when we had high winds, several telephone calls were made to the weather station on an unofficial basis. This may prevent weather officers from getting warnings out on time.

General Israel: This weather station is for official business only.

Would like the staff to notify all officers in their section that the Commander's Reception, at the Officer's Club, on 3 March 1956, for newly assigned personnel, is mandatory.

Comptroller

Captain Foster: We went to Griffiss to get additional information on the loss of 458 money. The payroll obligation from EADF for the seven-teenth through the end of December, including all of January, was received at Griffiss on 25 February.

General Israel: Will you include that in General Harbold's letter for my signature?

Captain Foster: Also, learned that they have a new Director of Statistical Services at EADF, Major Albert. He has been there one month.

BWN

22/5

0557

COPY

COPY

HQ 32D AD, SYR AFS, SYR, NY

292141

UNCLASSIFIED

ROUTINE

CMDR 764TH ACWRON, ST ALBANS, VT
911TH ACWRON, N CONCORD, ME X
655TH ACWRON, WATER TOWN, NY
27TH FIS, GRIFFISS AFB, NY
465TH FIS, GRIFFISS AFB, NY

X

COMDR 14TH FTR GP, BURLINGTON, VT

/UNCL/ACFOFR 02138 PD EFFECTIVE ONE FIVE ZERO ZERO ZEBRA
ONE MARCH FIVE SIX CMA YOUR ORGANIZATION IS ATTACHED TO
THE ONE FOUR FTR GP FOR ADMIN AND TRAINING GUIDANCE PD
YOU WILL BE RESP TO THE COMDR OF THE ONE FOUR FTR GP IN
ALL MATTERS PERTAINING TO MISSION EFFECTIVENESS PD IMMED
OPERATIONAL CONTROL IS RETAINED IN THE COMBAT CENTER OF
THE HQ THREE TWO AIR DIV DEF PD INDIV MISSION DIRECTIVES
ARE BEING PREPARED AND WILL BE PUB IN THE VERY NEAR FUTURE
PD ALL INFORMED

UNCLASSIFIED

1

1

V. K. YEHLE, MAJOR, USAF

WILLIAM SHELTON, COL., USAF

OPR 1900Z 28 FEB 56

092

ODG/142

22/6

0558

COPY

COPY

HQ 32D (AD), SYR AFS, SYR, NY 28 2140 UNCLASSIFIED

ROUTINE

COMDR 766TH ACWRON, CASWELL AFS, ME
654TH ACWRON, BRUNSWICK NAS, ME X
907TH ACWRON, BUCKS HARBOR, ME
765TH ACWRON, CHARLESTON AFS, ME

X

COMDR 23RD FTR GP, PQ1 AFB, PQ1, ME

/UNCL/ACFOPR 02137PD EFFECTIVE ONE FIVE ZERO ZERO
ZEBRA ONE MARCH FIVE SIX OMA YOUR ORGANIZATION IS
ATTACHED TO THE TWO THREE FTR GP FOR ADMIN AND TRAIN-
ING GUIDANCE PD YOU WILL BE RESP TO THE COMDR OF THE
TWO THREE FTR GP IN ALL MATTERS PERTAINING TO MISSION
EFFECTIVENESS PD IMMED OPERATIONAL CONTROL IS RETAINED
IN THE COMBAT CENTER OF THE HQ THREE TWO AIR DIV DEF
PD INDIV MISSION DIRECTIVES ARE BEING PREPARED AND
WILL BE PUB IN THE VERY NEAR FUTURE PD ALL INFORMED PD

UNCLASSIFIED 1 1

V. K. YEHLE, MAJOR, USAF

WILLIAM SHELTON, COL., USAF

OPR 1500Z 23 FEB 56 092

ODC/142

22/7

0559

COPY

COPY

HQ 32D AD(D), SYR AFS, SYR, NY

UNCLASSIFIED

PRIORITY

COMDR 14TH FTR GP, ETHAN ALLEN AFB, WINOCSKI X
 23RD FTR GP, PQ1 AFB, PQ1, ME
 27TH FIS, GRIFFISS AFB, ROME, NY
 465TH FIS GRIFFISS AFB, ROME, NY
 764TH ACWRON, ST ALBANS, VT
 911TH ACWRON, NORTH CONCORD, ME MAIL
 655TH ACWRON WATERTOWN AFS, NY
 654TH ACWRON BRUNSWICK NAS, ME
 907TH ACWRON BUCKS HARBOR, ME MAIL
 766TH ACWRON CASWELL AFS, ME
 765TH ACWRON CHARLESTON AFS, ME

INFO: COMDR, EADF, STEWART AFB, NEWBURGH, NY

/UNCLA/ACFOPR 02140, THIS MSG IN TWO PARTS. PART ONE:
 THIS HQ IS PUBLISHING A GO ATTACHING CERTAIN UNITS TO CERTAIN
 FTR GPs. PART TWO OF THIS MSG IS A QUOTE OF THE PROPOSED GO
 AND IS DIRECTIVE IN NATURE. PART TWO: QUOTE GO #4, 29 FEB 56.
 1. EFFECTIVE 1500Z, 1 MAR 56, THE FOLG UNITS ARE ATTACHED AS
 INDC FOR ADMIN AND COM GUIDANCE AND MISSION EFFECTIVENESS.

<u>UNIT</u>	<u>ASSIGNED TO</u>	<u>ATTACHED TO</u>
27TH FIS	32D AIR DIV (DEF)	14TH FTR GP (AD)
465TH FIS	32D AIR DIV (DEF)	14TH FTR GP (AD)
655TH ACW SQ	32D AIR DIV (DEF)	14TH FTR GP (AD)

UNCLASSIFIED 1

2

22/8

0560

COPY

COPY

<u>UNIT</u>	<u>RELIEVED FROM ASSIGNMENT TO</u>	<u>ASSIGNED TO</u>
764TH ACW SQ	32D AIR DIV (DEF)	14TH FTR GP (AD)
911TH ACW SQ	32D AIR DIV (DEF)	14TH FTR GP (AD)
654TH ACW SQ	32D AIR DIV (DEF)	23RD FTR GP (AD)
765TH ACW SQ	32D AIR DIV (DEF)	23RD FTR GP (AD)
766TH ACW SQ	32D AIR DIV (DEF)	23RD FTR GP (AD)
907TH ACW SQ	32D AIR DIV (DEF)	23RD FTR GP (AD)

2. UPON COMPL OF THE ACTION DIRECTED HEREIN, AF ORGAN STATUS CHG REPORT (REPORTS CONTROL SYMBOL AF-01) WILL BE PREPARED IN ACD WITH CHAP 21, EADF MANUAL 171-2 AND SUBMITTED TO THE COMDR, EADF WITH INFO CY TO THE COMDR, 32D AIR DIV (DEF) TO ARRIVE NOT LATER THAN 0800 HRS THE FIRST CALENDAR DAY FOLLOW THE "AS OF" DATE. 3. AUTH AFR 20-27, SECTION B, PARA 5 A, AND AFM 30-3. UNQUOTE ALL INFORMED.

UNCLASSIFIED 2 2

V. K. YEHLER, MAJOR, USAF WILLIAM SHELTON, COL., USAF

OPR 1600Z 29 FEB 56 092 ODD/142

0561

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
Syracuse Air Force Station
Syracuse 6, New York

GENERAL ORDER)
NUMBER 4)

29 February 1956

1. Effective 1500Z, 1 March 1956, the following units are attached as indicated for administrative and command guidance and missions effectiveness.

<u>Unit</u>	<u>Assigned to</u>	<u>Attached to</u>
27th Fighter Interceptor Squadron	32d Air Division (Defense)	14th Fighter Group (Air Defense)
465th Fighter Interceptor Squadron	32d Air Division (Defense)	14th Fighter Group (Air Defense)
655th Air Control and Warning Squadron	32d Air Division (Defense)	14th Fighter Group (Air Defense)
764th Air Control and Warning Squadron	32d Air Division (Defense)	14th Fighter Group (Air Defense)
911th Air Control and Warning Squadron	32d Air Division (Defense)	14th Fighter Group (Air Defense)
654th Air Control and Warning Squadron	32d Air Division (Defense)	23d Fighter Group (Air Defense)
765th Air Control and Warning Squadron	32d Air Division (Defense)	23d Fighter Group (Air Defense)
766th Air Control and Warning Squadron	32d Air Division (Defense)	23d Fighter Group (Air Defense)
907th Air Control and Warning Squadron	32d Air Division (Defense)	23d Fighter Group (Air Defense)

2. Upon completion of the action directed herein, Air Force Organization Status Change Report (Reports Control Symbol AF-01) will be prepared in accordance with Chapter 21, Eastern Air Defense Force Manual 171-2 and submitted to the Commander, Eastern Air Defense Force with information copy to the Commander, 32d Air Division (Defense) to arrive not later than 0800 hours the first calendar day following the "as of" date.

22/9

0562

Paragraph 3, General Orders 4, Headquarters 32d Air Division (Defense), Syracuse 6,
New York (Continued)

3. Authority, Air Force Regulation 20-27, Section B, paragraph 5a, and Air Force
Manual 30-3.

OFFICIAL:

Everitt W. Howe
EVERITT W HOWE
Major, USAF
Adjutant

BRAIN O'NEILL
Colonel, USAF
Vice Commander

DISTRIBUTION:

B Plus
3 - USAF (ATTN: DIR M&O)
3 - ADC
5 - EDAF
Groups and Squadrons

0563

HEADQUARTERS
EASTERN AIR DEFENSE FORCE (ADC)
Stewart Air Force Base, Newburgh, NY

GENERAL ORDERS)
NUMBER 39)

28 June 1956

REASSIGNMENT OF UNITS SECTION I
DISCONTINUANCE OF UNITS SECTION II

SECTION I

1. Effective 8 July 1956, the following units and/or establishments are reassigned as indicated:

<u>Unit or Establishment</u>	<u>Relieved from Assignment to</u>	<u>Assigned To</u>
52d Fighter Group (AD)	4707th AIR DEF WG	4709th AIR DEF WG
773d ACW Squadron	4707th AIR DEF WG	4709th AIR DEF WG
329th Fighter Group (AD)	4709th AIR DEF WG	4707th AIR DEF WG
648th ACW Squadron	4709th AIR DEF WG	4707th AIR DEF WG
54th Fighter Group (AD)	4708th AIR DEF WG	30th AIR DIV (DEF)
15th Fighter Group (AD)	4708th AIR DEF WG	30th AIR DIV (DEF)
79th Fighter Group (AD)	4708th AIR DEF WG	30th AIR DIV (DEF)
412th Fighter Group (AD)	4708th AIR DEF WG	30th AIR DIV (DEF)
1st Fighter Group (AD)	4708th AIR DEF WG	30th AIR DIV (DEF)
507th Fighter Group (AD)	4706th AIR DEF WG	37th AIR DIV (DEF)
473d Fighter Group (AD)	4706th AIR DEF WG	37th AIR DIV (DEF)
327th Fighter Group (AD)	4706th AIR DEF WG	37th AIR DIV (DEF)
56th Fighter Group (AD)	4706th AIR DEF WG	37th AIR DIV (DEF)
661st ACW Squadron	4708th AIR DEF WG	30th AIR DIV (DEF)
662d ACW Squadron	4708th AIR DEF WG	30th AIR DIV (DEF)
665th ACW Squadron	4706th AIR DEF WG	37th AIR DIV (DEF)
676th ACW Squadron	4706th AIR DEF WG	37th AIR DIV (DEF)
677th ACW Squadron	4708th AIR DEF WG	30th AIR DIV (DEF)
700th ACW Squadron	4706th AIR DEF WG	37th AIR DIV (DEF)
752d ACW Squadron	4706th AIR DEF WG	37th AIR DIV (DEF)
753d ACW Squadron	4706th AIR DEF WG	37th AIR DIV (DEF)
754th ACW Squadron	4708th AIR DEF WG	30th AIR DIV (DEF)
755th ACW Squadron	4706th AIR DEF WG	37th AIR DIV (DEF)
763d ACW Squadron	4708th AIR DEF WG	30th AIR DIV (DEF)
772d ACW Squadron	4708th AIR DEF WG	30th AIR DIV (DEF)
781st ACW Squadron	4708th AIR DEF WG	30th AIR DIV (DEF)
906th ACW Squadron	4706th AIR DEF WG	37th AIR DIV (DEF)
912th ACW Squadron	4708th AIR DEF WG	30th AIR DIV (DEF)
913th ACW Squadron	4706th AIR DEF WG	37th AIR DIV (DEF)
914th ACW Squadron	4706th AIR DEF WG	37th AIR DIV (DEF)
691st Air Force Band	4708th AIR DEF WG	30th AIR DIV (DEF)

2. Pertinent provisions of Air Force Manuals 171-6 and 181-5 are applicable.

22/10

0564

7. Authority: Same as Section I.

6. Upon completion of action directed herein, Organization Status Change Report (Report Control Symbol AF-01) will be prepared in accordance with Chapter 21, Eastern Air Defense Force Manual 171-2 and submitted to the Commander, Eastern Air Defense Force, to arrive not later than 0800 hours the first calendar day following the "as of" date.

5. The pertinent provisions of Air Force Manual 171-6 and Air Force Regulation 176-2, as amended, are applicable.

4. Organizational records will be disposed of in accordance with Air Force Manual 181-5.

3. Equipment rendered surplus by these actions will revert to stocks to fill present and future requirements. Unit Allowance list numbers are voided.

2. Personnel rendered surplus by these actions will be absorbed by other units under the control of the Commander, Eastern Air Defense Force.

Unit	Headquarters, 4706th Air Defense Wing
Headquarters, 4710th Air Defense Wing	Headquarters, 4710th Air Defense Wing, Illinois
Headquarters, 4708th Air Defense Wing	Headquarters, 4708th Air Defense Wing, Michigan
Headquarters, 4711th Air Defense Wing	Headquarters, 4711th Air Defense Wing, Michigan

1. Effective 8 July 1956, the following units are discontinued at locations indicated:

SECTION II

4. Authority: Air Force Regulation 20-27, 15 September 1955, and Air Defense Command letter, ADMO, 20 June 1956, subject: Reassignment of Units.

3. Upon completion of action directed herein, Organization Status Change Report (Report Control Symbol AF-01) will be prepared in accordance with Chapter 21, Eastern Air Defense Force Manual 171-2 and submitted to the Commander, Eastern Air Defense Force, to arrive not later than 0800 hours the first calendar day following the "as of" date.

(SECTION I CONT)

GO 39 HEDBDR (ADC) Stewart AFB Newburgh NY 28 JUN 56 (CONT)

GO 39 HEDEADF (ADC) Stewart AFB Newburgh NY 28 JUN 56 (CONT)
(SECTION I CONT)

3. Upon completion of action directed herein, Organization Status Change Report (Reports Control Symbol AF-01) will be prepared in accordance with Chapter 21, Eastern Air Defense Force Manual 171-2 and submitted to the Commander, Eastern Air Defense Force, to arrive not later than 0800 hours the first calendar day following the "as of" date.

4. Authority: Air Force Regulation 20-27, 15 September 1955, and Air Defense Command letter, ADRMO, 20 June 1956, subject: Reassignment of Units.

SECTION II

1. Effective 8 July 1956, the following units are discontinued at locations indicated:

<u>Unit</u>	
Headquarters, 4706th Air Defense Wing	O'Hare International Airport, Illinois
Headquarters, 4710th Air Defense Wing	O'Hare International Airport, Illinois
Headquarters, 4708th Air Defense Wing	Selfridge Air Force Base, Michigan
Headquarters, 4711th Air Defense Wing	Selfridge Air Force Base, Michigan

2. Personnel rendered surplus by these actions will be absorbed by other units under the control of the Commander, Eastern Air Defense Force.

3. Equipment rendered surplus by these actions will revert to stocks to fill present and future requirements. Unit Allowance List numbers are voided.

4. Organizational records will be disposed of in accordance with Air Force Manual 181-5.

5. The pertinent provisions of Air Force Manual 171-6 and Air Force Regulation 176-2, as amended, are applicable.

6. Upon completion of action directed herein, Organization Status Change Report (Reports Control Symbol AF-01) will be prepared in accordance with Chapter 21, Eastern Air Defense Force Manual 171-2 and submitted to the Commander, Eastern Air Defense Force, to arrive not later than 0800 hours the first calendar day following the "as of" date.

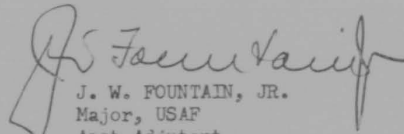
7. Authority: Same as Section I.

GO 39 HEDEADF (ADC) Stewart AFB Newburgh NY 28 JUN 56 (CCNT)
(SGNR PAGE ONLY)

BY ORDER OF THE COMMANDER:

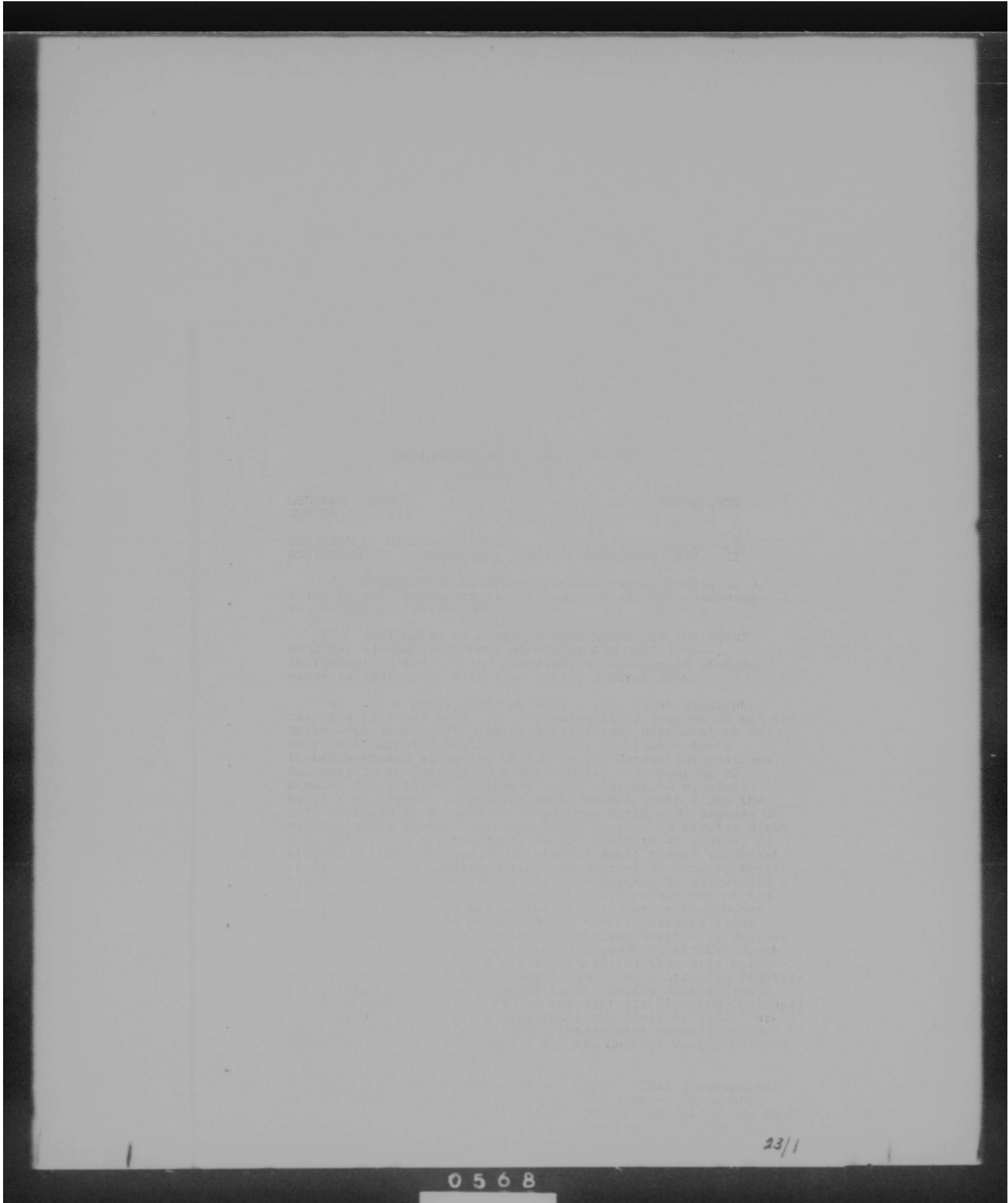
OFFICIAL:

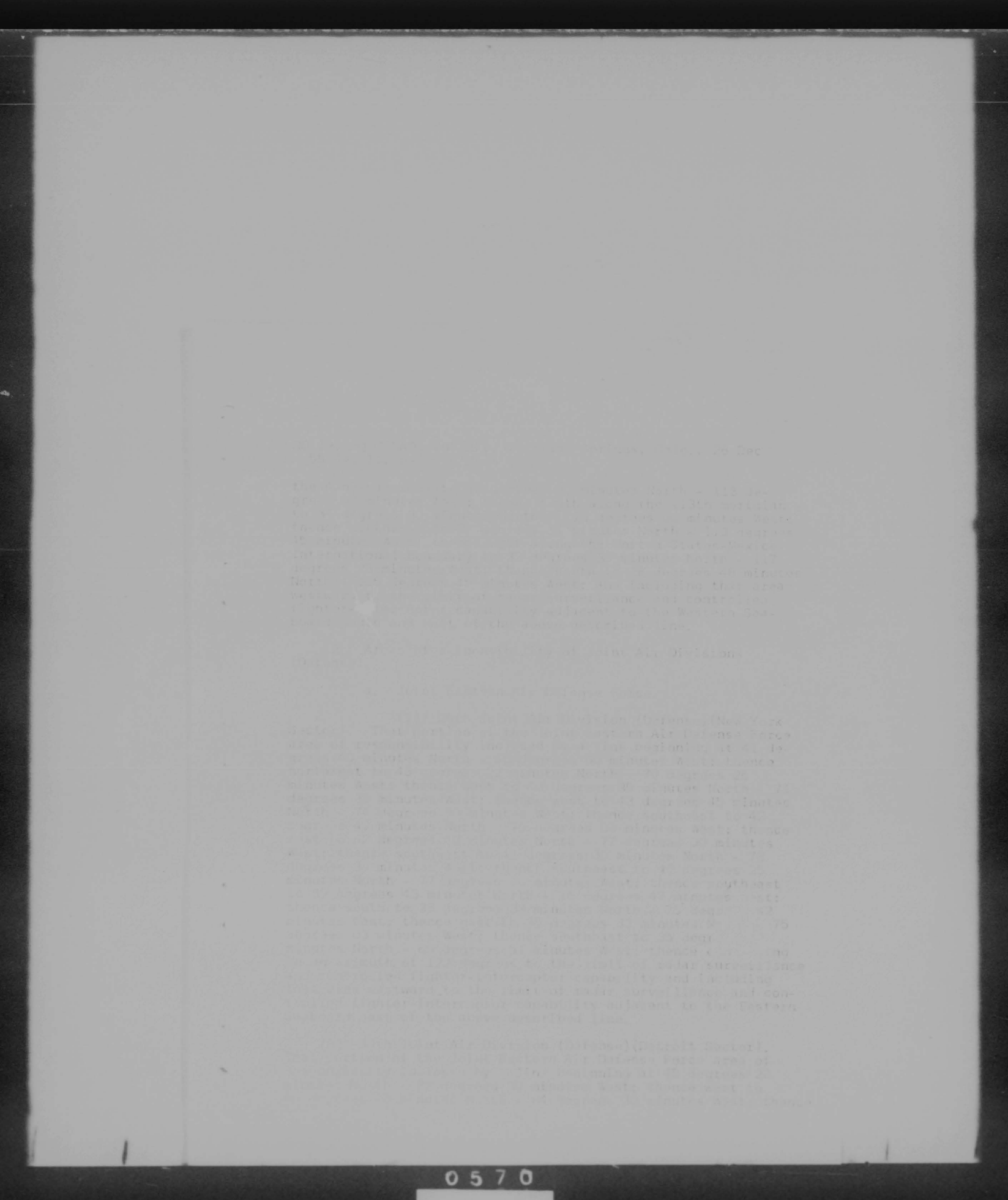
W. R. GROHS
Colonel, USAF
Chief of Staff


J. W. FOUNTAIN, JR.
Major, USAF
Asst Adjutant

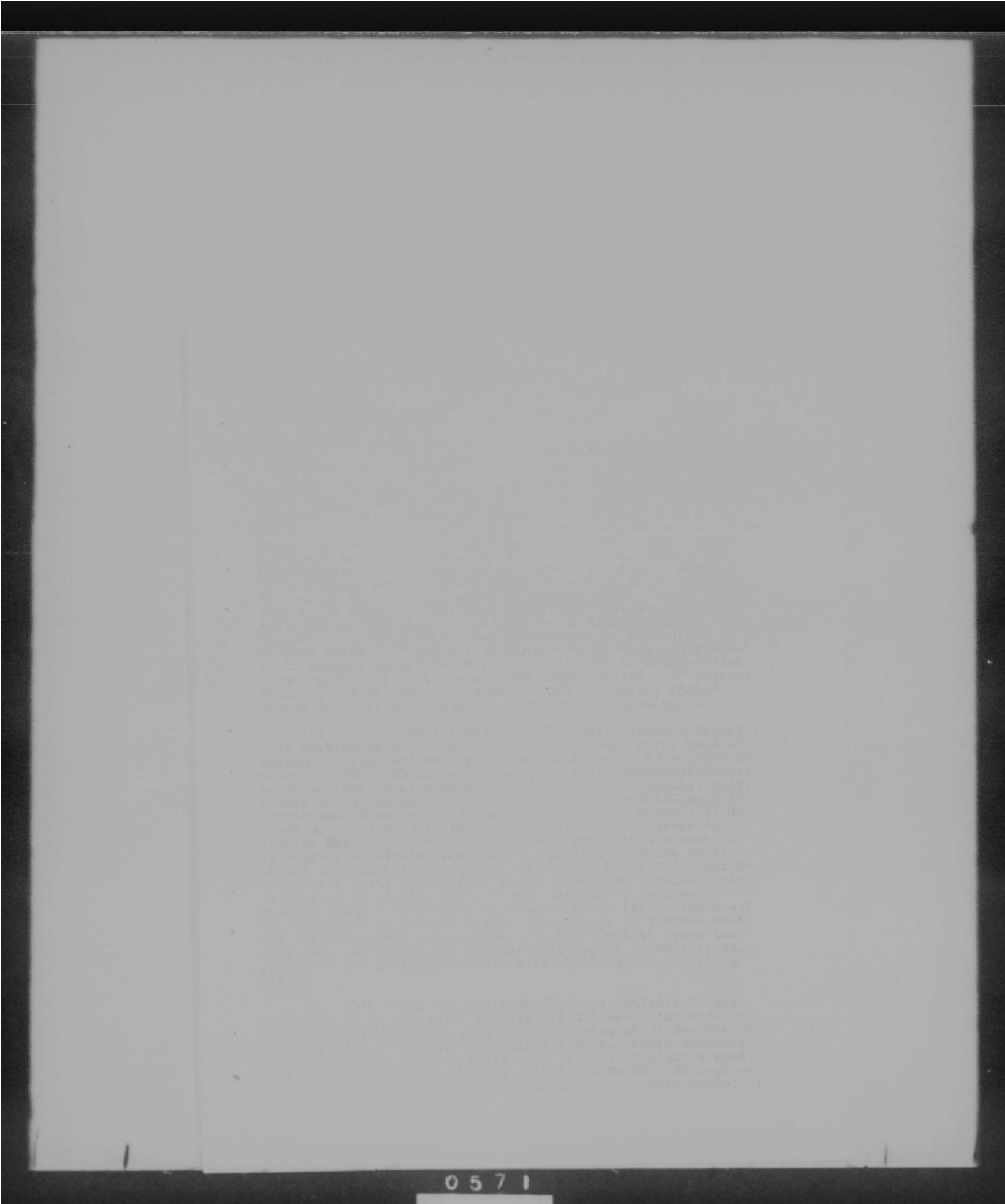
DISTRIBUTION:

A Plus
30 - COMDR, HEDUSAF (ATTN: PUB DIV)
10 - COMDR, ADC (ATTN: M&O)
5 - EAOMO
5 - EACST
2 - EAAGD/O





0570

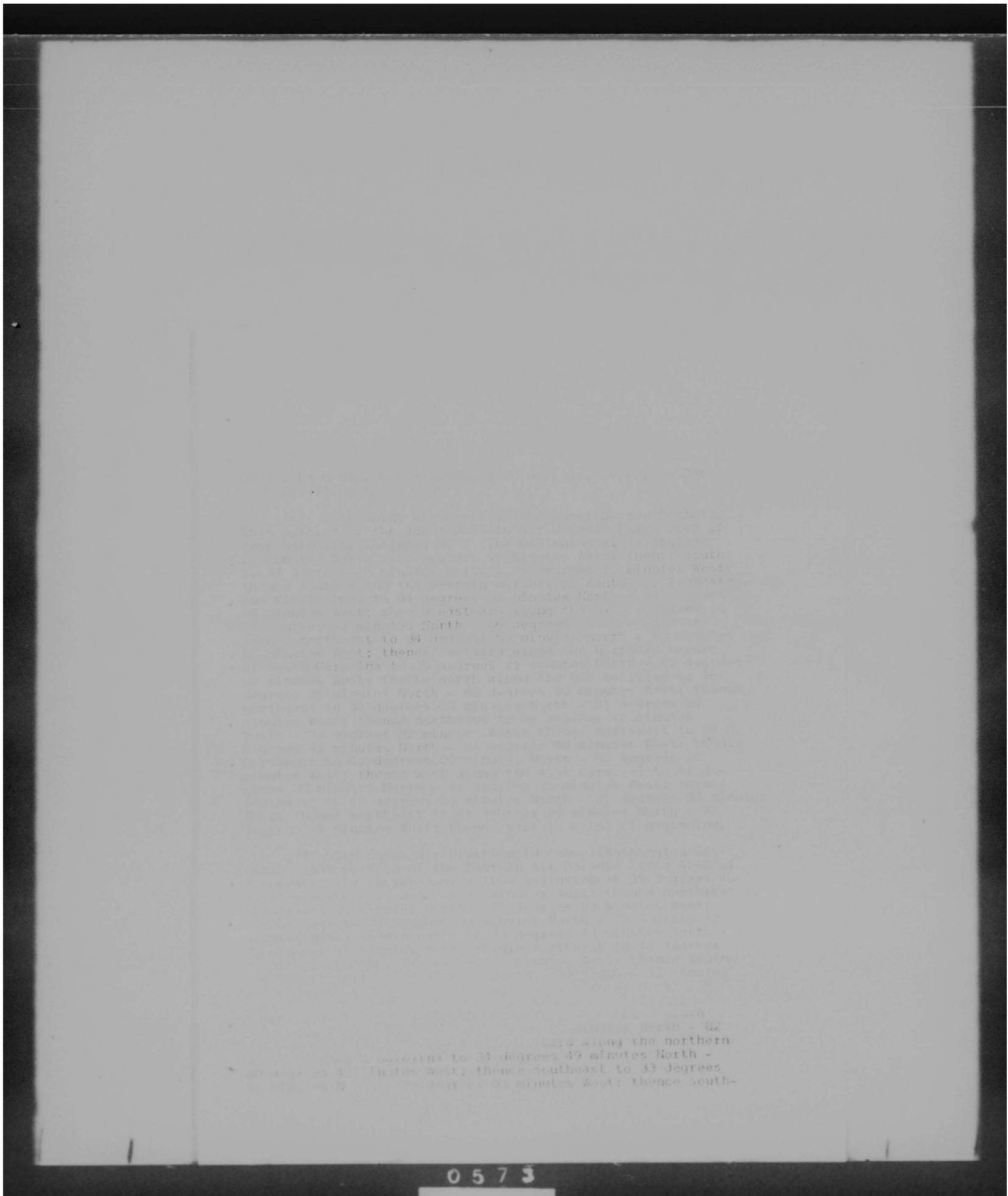


0571

OO 19, HQ COMAF, Ent AF, Colorado Springs, Colo., 26 Dec
55 Sec 11, para 2414 Cont

South Carolina to 34 degrees 57 minutes North - 91 degrees 22 minutes West; thence southwest to 34 degrees 57 minutes North - 86 degrees 00 minutes West; thence westward along the 34th parallel to 34 degrees 00 minutes North - 91 degrees 00 minutes West; thence south along the western border of Mississippi to 31 degrees 00 minutes North - 91 degrees 38 minutes West; thence westward along the 31st parallel to 31 degrees 00 minutes North - 91 degrees 45 minutes West; thence south to 25 degrees 00 minutes North - 91 degrees 45 minutes West; and including that area eastward and southward to the limit of radar surveillance and controlled fighter-interceptor capability adjacent to the Eastern Seacoast and the Gulf of Mexico east and south of the above described line.

(5) 37th Joint Air Division (Defense) (Madison Sector). That portion of the Joint Eastern Air Defense Force area of responsibility included by a line beginning at 45 degrees 20 minutes North - 82 degrees 30 minutes West; thence northwest to 45 degrees 40 minutes North - 84 degrees 30 minutes West; thence south to 44 degrees 30 minutes North - 84 degrees 30 minutes West; thence west to 43 degrees 33 minutes North - 86 degrees 30 minutes West; thence southwest to 41 degrees 20 minutes North - 87 degrees 30 minutes West; thence west to 41 degrees 20 minutes North - 88 degrees 45 minutes West; thence northwest to 42 degrees 30 minutes North - 90 degrees 40 minutes West; thence north to 46 degrees 30 minutes North - 91 degrees 00 minutes West; thence northeast to 46 degrees 30 minutes North - 87 degrees 00 minutes West; thence north along the 46th meridian to 47 degrees 30 minutes North - 87 degrees 00 minutes West; thence northeast to 48 degrees 00 minutes North - 87 degrees 30 minutes West; thence westward along the United States-Canada International Boundary to 48 degrees 00 minutes North - 87 degrees 00 minutes West; and including that area northward to the limit of radar surveillance and controlled fighter-interceptor capability adjacent to the United States-Canada International Boundary between the 118th meridian on the west and the following line on the east: 45 degrees 20 minutes North - 82 degrees 30 minutes West; thence north to 48 degrees 45 minutes North 83 degrees 00 minutes West; thence northeast to 47 degrees 30 minutes North - 82 degrees 30 minutes West; thence northward along the 82 degree 30 minute meridian.



0573

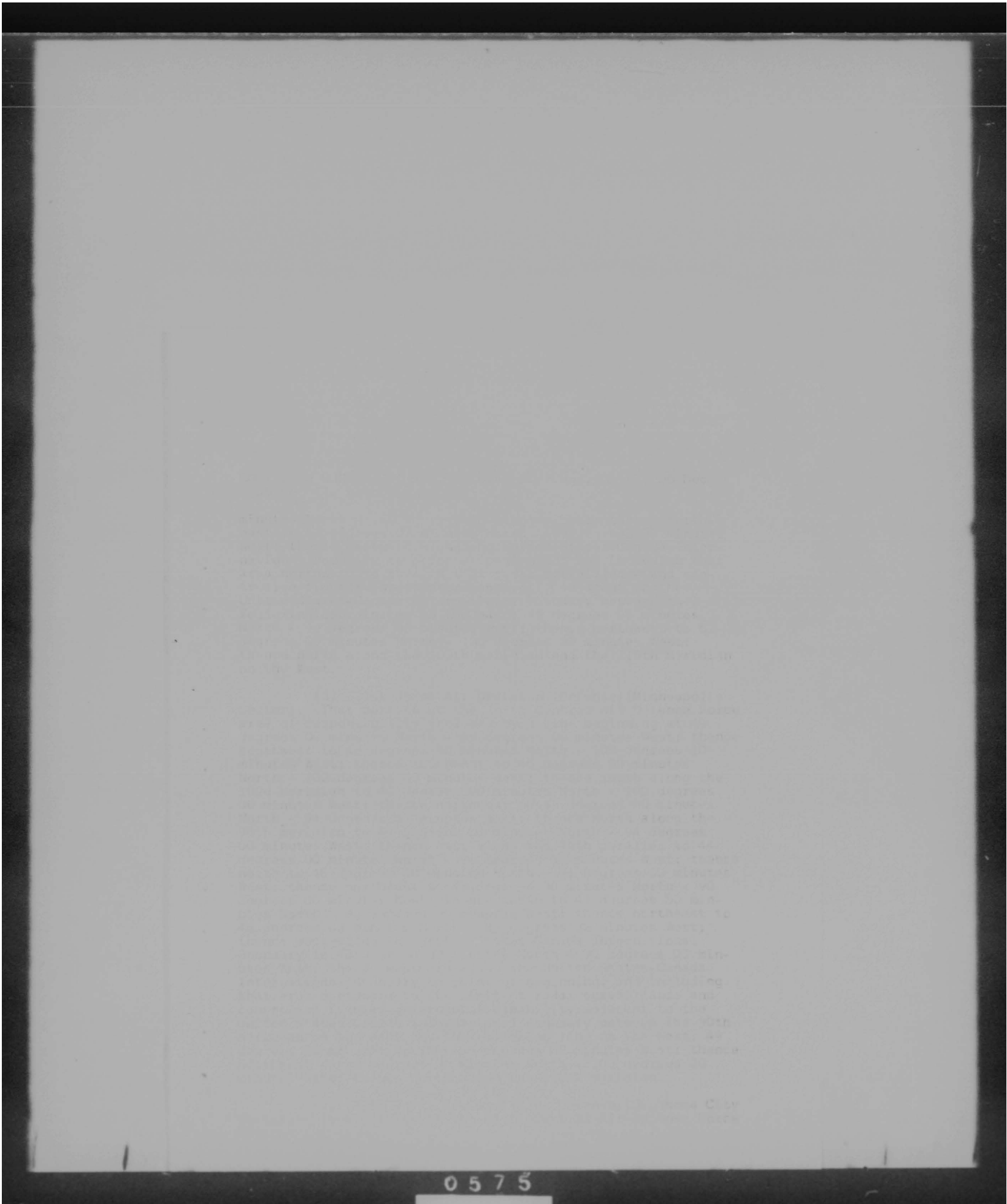
GO 19, HQ CONAD, 2nd AF, Colorado Springs, Colo., 26 Dec
59 Sec II, para 2.1.1, Cont.

east to 31 degrees 18 minutes North - 74 degrees 16 minutes
West; thence continuing on an azimuth of 122 degrees to the
limit of radar surveillance and controlled fighter-inter-
ceptor capability and thence eastward to the
limit of radar surveillance and controlled fighter-inter-
ceptor capability adjacent to the Eastern Seaboard east of the
above described line.

b. Joint Central Air Defense Force.

(1) 2nd Joint Air Division (Defense) (Kansas
City Sector). That portion of the Joint Central Air Defense
Force area of responsibility enclosed by a line beginning at
41 degrees 00 minutes North - 102 degrees 00 minutes West;
thence east along the 40th meridian to 37 degrees 00 minutes
North - 99 degrees 00 minutes West; thence eastward along
the 37th parallel to 37 degrees 00 minutes North - 97 degrees
45 minutes West; thence southeast to 35 degrees 15 minutes
North - 95 degrees 00 minutes West; thence east to 35 degrees
15 minutes North - 94 degrees 15 minutes West; thence south-
east to 34 degrees 00 minutes North - 91 degrees 00 minutes
West; thence north along the western boundaries of Mississippi,
Tennessee and Kentucky to 37 degrees 15 minutes North - 87
degrees 15 minutes West; thence north to 41 degrees 20 minutes
North - 85 degrees 45 minutes West; thence northwest to 42 de-
grees 00 minutes North - 80 degrees 45 minutes West; thence east
to 42 degrees 00 minutes North - 78 degrees 15 minutes West;
thence east along the 42nd parallel to 44 degrees 00 minutes
North - 76 degrees 00 minutes West; thence north to 43 degrees
30 minutes North - 74 degrees 00 minutes West; thence south-
west to the point of beginning.

(2) 2nd Joint Air Division (Defense) (Great
Salt Desert). That portion of the Central Air Defense Force
area of responsibility enclosed by a line beginning at 49 de-
grees 00 minutes North - 113 degrees 00 minutes West; thence
east along the 49th meridian to 49 degrees 00 minutes North -
108 degrees 00 minutes West; thence east and south along the
western border of Utah and the western border of Wyoming to
41 degrees 00 minutes North - 107 degrees 00 minutes West;
thence east along the 41st parallel to 41 degrees 00 min-
utes North - 102 degrees 00 minutes West; thence northward
to 46 degrees 45 minutes North - 102 degrees 00 minutes West;
thence east to 46 degrees 45 minutes North - 96 degrees 45



0575

THIS PAGE IS DECLASSIFIED IAW EO 13526

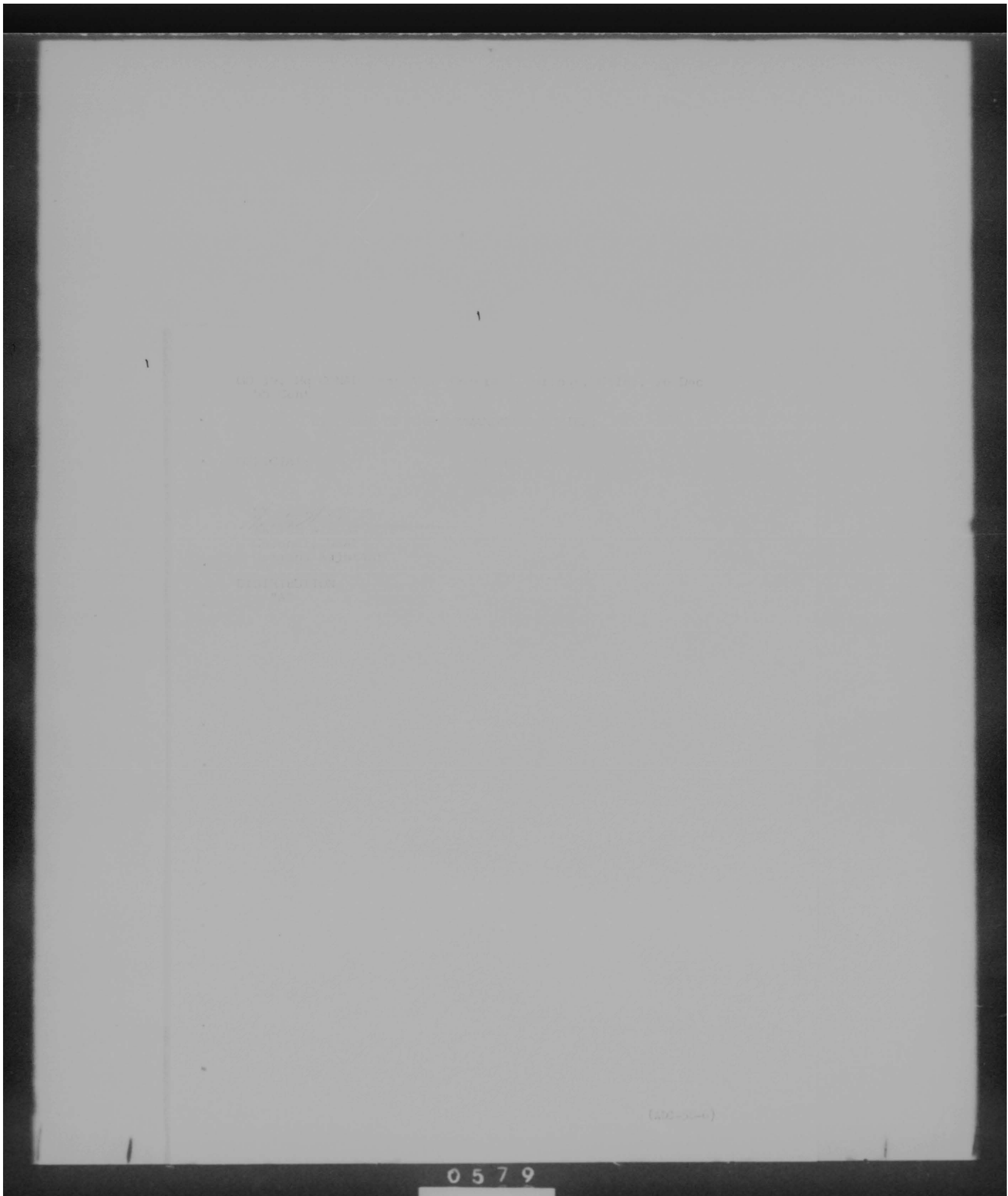
0576

THIS PAGE IS DECLASSIFIED IAW EO 13526

THIS PAGE IS DECLASSIFIED IAW EO 13526

0577

THIS PAGE IS DECLASSIFIED IAW EO 13526



0579

GENERAL ORDER
NUMBER 67
27 DECEMBER 1955

GENERAL ORDER NUMBER 67) 27 December 1955

RECISION OF GENERAL ORDERS.....I
ASSIGNMENT OF GEOGRAPHICAL AREAS OF COMMAND.....II

I. RECISION OF GENERAL ORDERS---General Orders 7 and 12, this headquarters, current series are rescinded as of 0001Z, 1 March 1956.

II. ASSIGNMENT OF GEOGRAPHICAL AREAS OF COMMAND---1. Assignment is made of the geographical boundaries of commands as indicated, effective 0001Z, 1 March 1956.

a. Eastern Air Defense Force. That geographical area enclosed by a line beginning at 43 degrees 00 minutes North - 65 degrees 15 minutes West; thence north to 45 degrees 49 minutes North - 66 degrees 15 minutes West; thence eastward along the United States-Canada International Boundary to 48 degrees 03 minutes North - 87 degrees 32 minutes West; thence southeast to 47 degrees 50 minutes North - 90 degrees 00 minutes West; thence south along the 90th meridian to 46 degrees 30 minutes North - 90 degrees 00 minutes West; thence southwest to 46 degrees 00 minutes North - 91 degrees 00 minutes West; thence south to 42 degrees 00 minutes North - 90 degrees 40 minutes West; thence southeast to 41 degrees 20 minutes North - 88 degrees 45 minutes West; thence south to 37 degrees 10 minutes North - 89 degrees 10 minutes West; thence north along the southern borders of Kentucky, Tennessee, and Mississippi to 31 degrees 00 minutes North - 91 degrees 38 minutes West; thence east along the 31st parallel to 31 degrees 00 minutes North - 91 degrees 45 minutes West; thence south to 25 degrees 00 minutes North - 91 degrees 45 minutes West; and including that area northward to the limit of radar surveillance and controlled fighter-interceptor capability adjacent to the United States-Canada International Boundary north of the 31st Air Division (Defense) sector and eastward and southward to the limit of radar surveillance and controlled fighter-interceptor capability adjacent to the Eastern Seaboard and the Gulf of Mexico within the above described lines.

b. Central Air Defense Force. That geographical area enclosed by a line beginning at 46 degrees 03 minutes North - 90 degrees 00 minutes West; thence eastward along the United States-Canada International Boundary to 48 degrees 03 minutes North - 89 degrees 32 minutes West; thence southeast to 47 degrees 50 minutes North - 90 degrees 00 minutes West; thence south along the 90th meridian to 46 degrees 30 minutes North - 90 degrees 00 minutes West; thence southwest to 46 degrees 00 minutes North - 90 degrees 00 minutes West; thence south to 42 degrees 00 minutes North - 90 degrees 40 minutes West; thence southeast to 41 degrees 20 minutes North - 88 degrees 45 minutes West;

23/2

0580

00 (7), Re: [redacted], [redacted], Colo, 27 Dec 55, para 11b cont

thence north along the 113th meridian to 42 degrees 00 minutes North - 113 degrees 00 minutes West; thence east along the 42d parallel to 111 degrees 03 minutes West; thence north and west along the eastern border of Idaho to 46 degrees 58 minutes North - 115 degrees 00 minutes West; thence north along the 115th meridian to 49 degrees 00 minutes North - 115 degrees 00 minutes West; thence eastward along the United States - Canadian International Border to starting point; and including that area northward to the limit of radar surveillance and controlled fighter-interceptor capability adjacent to the United States-Canada International Boundary and southward and westward to the limit of radar surveillance and controlled fighter-interceptor capability adjacent to the Gulf of Mexico between [redacted] [redacted] lines.

c. Western Air Defense Force. That geographical area enclosed by a line beginning at 48 degrees 30 minutes North - 128 degrees 00 minutes West; thence east to 48 degrees 30 minutes North - 124 degrees 43 minutes West; thence eastward along the United States-Canada International Boundary to 48 degrees 00 minutes North - 115 degrees 00 minutes West; thence east along the 115th meridian to 46 degrees 58 minutes North - 113 degrees 03 minutes West; thence east and south along the eastern border of Idaho to 42 degrees 00 minutes North - 111 degrees 03 minutes West; thence westward along the 42nd parallel to 42 degrees 00 minutes North - 113 degrees 00 minutes West; thence south along the 113th meridian to 37 degrees 30 minutes North - 113 degrees 00 minutes West; thence westward to 32 degrees 11 minutes North - 113 degrees 49 minutes West; thence west along the United States-Mexico International Boundary to 32 degrees 30 minutes North - 117 degrees 23 minutes West; thence south to 28 degrees 00 minutes North - 115 degrees 43 minutes West; and including that area westward to the limit of radar surveillance and controlled fighter-interceptor capability adjacent to the Mexican seaboard south and west of the above described line.

2. Areas of Responsibility of Air Divisions (Defense).

a. Western Air Defense Force.

...the above described area...

...That portion of the... responsibility in-
cluded by a... 74 degree
16 minutes... 72
degree 01... 47 minutes
...along the northern
border of... North - 53 degree
22... 56
degree 05... parallel to 34
degree 05... these south
along the... 34 degree 00 minutes North -
01... 11 parallel to
11 degree 05... West; these south
to 25 degree 05... West; and in-
cluding... of radar surveil-
lance and... adjacent to the
Eastern... south of the above
described line.

...That
portion of the... responsibility in-
cluded by a... 62 degree
30 minutes... 54
degree 25... 31 minutes North -
54 degree 25... 31 minutes North -
... 20 minutes
... 20 minutes
... 42 degree 00
... 40 degree
... 40
... North
... 40 degree 00
... 40 degree 00
... North - 40 de-
... Canada
... 40 degree 00
... North
... adjacent to the
... North

... (S) east ...

... that portion of the ... responsibility in- ... 45 ... 49 ... 51 ... 53 ... 55 ... 57 ... 59 ... 61 ... 63 ... 65 ... 67 ... 69 ... 71 ... 73 ... 75 ... 77 ... 79 ... 81 ... 83 ... 85 ... 87 ... 89 ... 91 ... 93 ... 95 ... 97 ... 99 ... 101 ... 103 ... 105 ... 107 ... 109 ... 111 ... 113 ... 115 ... 117 ... 119 ... 121 ... 123 ... 125 ... 127 ... 129 ... 131 ... 133 ... 135 ... 137 ... 139 ... 141 ... 143 ... 145 ... 147 ... 149 ... 151 ... 153 ... 155 ... 157 ... 159 ... 161 ... 163 ... 165 ... 167 ... 169 ... 171 ... 173 ... 175 ... 177 ... 179 ... 181 ... 183 ... 185 ... 187 ... 189 ... 191 ... 193 ... 195 ... 197 ... 199 ... 201 ... 203 ... 205 ... 207 ... 209 ... 211 ... 213 ... 215 ... 217 ... 219 ... 221 ... 223 ... 225 ... 227 ... 229 ... 231 ... 233 ... 235 ... 237 ... 239 ... 241 ... 243 ... 245 ... 247 ... 249 ... 251 ... 253 ... 255 ... 257 ... 259 ... 261 ... 263 ... 265 ... 267 ... 269 ... 271 ... 273 ... 275 ... 277 ... 279 ... 281 ... 283 ... 285 ... 287 ... 289 ... 291 ... 293 ... 295 ... 297 ... 299 ... 301 ... 303 ... 305 ... 307 ... 309 ... 311 ... 313 ... 315 ... 317 ... 319 ... 321 ... 323 ... 325 ... 327 ... 329 ... 331 ... 333 ... 335 ... 337 ... 339 ... 341 ... 343 ... 345 ... 347 ... 349 ... 351 ... 353 ... 355 ... 357 ... 359 ... 361 ... 363 ... 365 ... 367 ... 369 ... 371 ... 373 ... 375 ... 377 ... 379 ... 381 ... 383 ... 385 ... 387 ... 389 ... 391 ... 393 ... 395 ... 397 ... 399 ... 401 ... 403 ... 405 ... 407 ... 409 ... 411 ... 413 ... 415 ... 417 ... 419 ... 421 ... 423 ... 425 ... 427 ... 429 ... 431 ... 433 ... 435 ... 437 ... 439 ... 441 ... 443 ... 445 ... 447 ... 449 ... 451 ... 453 ... 455 ... 457 ... 459 ... 461 ... 463 ... 465 ... 467 ... 469 ... 471 ... 473 ... 475 ... 477 ... 479 ... 481 ... 483 ... 485 ... 487 ... 489 ... 491 ... 493 ... 495 ... 497 ... 499 ... 501 ... 503 ... 505 ... 507 ... 509 ... 511 ... 513 ... 515 ... 517 ... 519 ... 521 ... 523 ... 525 ... 527 ... 529 ... 531 ... 533 ... 535 ... 537 ... 539 ... 541 ... 543 ... 545 ... 547 ... 549 ... 551 ... 553 ... 555 ... 557 ... 559 ... 561 ... 563 ... 565 ... 567 ... 569 ... 571 ... 573 ... 575 ... 577 ... 579 ... 581 ... 583 ... 585 ... 587 ... 589 ... 591 ... 593 ... 595 ... 597 ... 599 ... 601 ... 603 ... 605 ... 607 ... 609 ... 611 ... 613 ... 615 ... 617 ... 619 ... 621 ... 623 ... 625 ... 627 ... 629 ... 631 ... 633 ... 635 ... 637 ... 639 ... 641 ... 643 ... 645 ... 647 ... 649 ... 651 ... 653 ... 655 ... 657 ... 659 ... 661 ... 663 ... 665 ... 667 ... 669 ... 671 ... 673 ... 675 ... 677 ... 679 ... 681 ... 683 ... 685 ... 687 ... 689 ... 691 ... 693 ... 695 ... 697 ... 699 ... 701 ... 703 ... 705 ... 707 ... 709 ... 711 ... 713 ... 715 ... 717 ... 719 ... 721 ... 723 ... 725 ... 727 ... 729 ... 731 ... 733 ... 735 ... 737 ... 739 ... 741 ... 743 ... 745 ... 747 ... 749 ... 751 ... 753 ... 755 ... 757 ... 759 ... 761 ... 763 ... 765 ... 767 ... 769 ... 771 ... 773 ... 775 ... 777 ... 779 ... 781 ... 783 ... 785 ... 787 ... 789 ... 791 ... 793 ... 795 ... 797 ... 799 ... 801 ... 803 ... 805 ... 807 ... 809 ... 811 ... 813 ... 815 ... 817 ... 819 ... 821 ... 823 ... 825 ... 827 ... 829 ... 831 ... 833 ... 835 ... 837 ... 839 ... 841 ... 843 ... 845 ... 847 ... 849 ... 851 ... 853 ... 855 ... 857 ... 859 ... 861 ... 863 ... 865 ... 867 ... 869 ... 871 ... 873 ... 875 ... 877 ... 879 ... 881 ... 883 ... 885 ... 887 ... 889 ... 891 ... 893 ... 895 ... 897 ... 899 ... 901 ... 903 ... 905 ... 907 ... 909 ... 911 ... 913 ... 915 ... 917 ... 919 ... 921 ... 923 ... 925 ... 927 ... 929 ... 931 ... 933 ... 935 ... 937 ... 939 ... 941 ... 943 ... 945 ... 947 ... 949 ... 951 ... 953 ... 955 ... 957 ... 959 ... 961 ... 963 ... 965 ... 967 ... 969 ... 971 ... 973 ... 975 ... 977 ... 979 ... 981 ... 983 ... 985 ... 987 ... 989 ... 991 ... 993 ... 995 ... 997 ... 999 ...

0584

30 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

b. Central Air Defense Force.

(1) 20th Air Division (Defense) (Kansas City Sector). That portion of the Central Air Defense Force area of responsibility included by a line beginning at 40 degrees 00 minutes North - 102 degrees 00 minutes West; thence south along the 102d meridian to 37 degrees 00 minutes North - 102 degrees 00 minutes West; thence eastward along the 32 parallel to 37 degrees 00 minutes North - 97 degrees 45 minutes West; thence southeast to 35 degrees 15 minutes North - 95 degrees 05 minutes West; thence east to 35 degrees 15 minutes North - 93 degrees 15 minutes West; thence southeast to 34 degrees 00 minutes North - 91 degrees 00 minutes West; thence north along the western boundaries of Mississippi, Tennessee and Kentucky to 37 degrees 13 minutes North - 89 degrees 10 minutes West; thence north to 44 degrees 20 minutes North - 88 degrees 45 minutes West; thence northeast to 42 degrees 00 minutes North - 90 degrees 40 minutes West; thence north to 44 degrees 00 minutes North - 90 degrees 50 minutes West; thence west along the 44th parallel to 44 degrees 00 minutes North - 94 degrees 00 minutes West; thence south to 43 degrees 00 minutes North - 94 degrees 00 minutes West; thence southwest to the point of beginning.

(2) 29th Air Division (Defense) (Great Falls Sector). That portion of the Central Air Defense Force area of responsibility included by a line beginning at 47 degrees 00 minutes North - 115 degrees 00 minutes West; thence south along the 115th meridian to 46 degrees 58 minutes North - 115 degrees 00 minutes West; thence east and south along the eastern border of Idaho and the western border of Wyoming to 41 degrees 00 minutes North - 111 degrees 03 minutes West; thence eastward along the 111th parallel to 41 degrees 00 minutes North - 102 degrees 00 minutes West; thence westward along the 102d meridian to 45 degrees 00 minutes North - 102 degrees 00 minutes West; thence northeast to 46 degrees 10 minutes North - 100 degrees 10 minutes West; thence northeast to 49 degrees 00 minutes North - 99 degrees 00 minutes West; thence westward along the United States-Canada International Boundary to point of beginning and including that area northward to the limit of radar surveillance and controlled fighter-interceptor capability adjacent to the United States-Canada International Boundary between the following coordinates on the east; 49 degrees 00 minutes North - 99 degrees 00 minutes West; thence northwest to 51 degrees 00 minutes North - 101 degrees 00 minutes West; thence north along the 101st meridian, and the 114th meridian on the west.

(3) 31st Air Division (Defense) (Minneapolis Sector). That portion of the Central Air Defense Force area of responsibility included by a line beginning at 49 degrees 00 minutes North - 99 degrees 00 minutes West; thence westward to 49 degrees 00 minutes North - 101 degrees 00 minutes West; thence north along the 101st meridian, and the 114th meridian on the west.

That portion of the United States Air Force area of responsibility included by a line commencing at 37 degrees 57 minutes North 97 degrees 09 minutes West; thence westward along the United States-Mexico International Boundary to 29 degrees 30 minutes North - 101 degrees 30 minutes West; thence northward to 37 degrees 09 minutes North - 101 degrees 40 minutes West; thence eastward to 37 degrees 09 minutes North - 104 degrees 00 minutes West; thence northeast to 37 degrees 09 minutes North - 103 degrees 00 minutes West; thence eastward along the 37th parallel to 37 degrees 09 minutes North - 97 degrees 45 minutes West; thence southeast to 35 degrees 15 minutes North - 97 degrees 05 minutes West; thence east to 35 degrees 15 minutes North - 93 degrees 15 minutes West; thence southeast to 34 degrees 00 minutes North - 94 degrees 00 minutes West; thence south along the western border of Mississippi to 31 degrees 00 minutes North - 94 degrees 00 minutes West; thence west to 31 degrees 00 minutes North - 95 degrees 45 minutes West; thence south to 29 degrees 00 minutes North - 95 degrees 45 minutes West; and including that area east and south to the limit of radar surveillance and controlled fighter-interceptor capability adjacent to the Gulf coast west and south of the above described line.

(4) United States Air Force (Defense) (Oklahoma City Sector).

That portion of the United States Air Force area of responsibility included by a line commencing at 37 degrees 57 minutes North 97 degrees 09 minutes West; thence westward along the United States-Mexico International Boundary to 29 degrees 30 minutes North - 101 degrees 30 minutes West; thence northward to 37 degrees 09 minutes North - 101 degrees 40 minutes West; thence eastward to 37 degrees 09 minutes North - 104 degrees 00 minutes West; thence northeast to 37 degrees 09 minutes North - 103 degrees 00 minutes West; thence eastward along the 37th parallel to 37 degrees 09 minutes North - 97 degrees 45 minutes West; thence southeast to 35 degrees 15 minutes North - 97 degrees 05 minutes West; thence east to 35 degrees 15 minutes North - 93 degrees 15 minutes West; thence southeast to 34 degrees 00 minutes North - 94 degrees 00 minutes West; thence south along the western border of Mississippi to 31 degrees 00 minutes North - 94 degrees 00 minutes West; thence west to 31 degrees 00 minutes North - 95 degrees 45 minutes West; thence south to 29 degrees 00 minutes North - 95 degrees 45 minutes West; and including that area east and south to the limit of radar surveillance and controlled fighter-interceptor capability adjacent to the Gulf coast west and south of the above described line.

(5) United States Air Force (Defense) (Allouez Sector).

That portion of the United States Air Force area of responsibility included by a line commencing at 37 degrees 57 minutes North - 113 degrees 00 minutes West; thence eastward to 37 degrees 57 minutes North - 113 degrees 00 minutes West; thence eastward along the 37th parallel to 37 degrees 57 minutes North - 107 degrees 00 minutes West; thence southeast to 35 degrees 15 minutes North - 107 degrees 00 minutes West; thence east to 35 degrees 15 minutes North - 103 degrees 15 minutes West; thence southeast to 34 degrees 00 minutes North - 104 degrees 00 minutes West; thence south along the western border of Mississippi to 31 degrees 00 minutes North - 104 degrees 00 minutes West; thence west to 31 degrees 00 minutes North - 105 degrees 45 minutes West; thence south to 29 degrees 00 minutes North - 105 degrees 45 minutes West; and including that area east and south to the limit of radar surveillance and controlled fighter-interceptor capability adjacent to the Gulf coast west and south of the above described line.

GO 67, Hq AFB, 3d AF, Colorado Springs, Colo, 27 Dec 55, Para II,2b(5) cont

degrees 00 minutes North - 111 degrees 00 minutes West; thence east along the 42d parallel to 42 degrees 00 minutes North - 111 degrees 03 minutes West; thence south to 41 degrees 00 minutes North - 111 degrees 03 minutes West; thence east along the 41st parallel to 41 degrees 00 minutes North - 102 degrees 00 minutes West; thence south along the 102d meridian to 37 degrees 00 minutes North - 102 degrees 00 minutes West; thence west along the 77th parallel to 37 degrees 00 minutes North - 103 degrees 00 minutes West; thence southwest to 35 degrees 15 minutes North - 104 degrees 00 minutes West; thence southeast to 32 degrees 00 minutes North - 101 degree 40 minutes West; thence southwest to 29 degrees 10 minutes North - 103 degrees 30 minutes West; thence west along the United States-Mexico International Boundary to point of beginning.

c. Western Air Defense Force.

(1) 34th Air Division (Defense) (Spokane Sector). That portion of the Western Air Defense Force area of responsibility enclosed by a line beginning at 49 degrees 00 minutes North - 121 degrees 00 minutes West; thence north along the 121st meridian to 46 degrees 40 minutes North - 121 degrees 00 minutes West; thence southwest to 43 degrees 00 minutes North - 120 degrees 15 minutes West; thence eastward along the 43rd parallel to 43 degrees 00 minutes North - 117 degrees 00 minutes West; thence south along the 117th meridian to 42 degrees 00 minutes North - 117 degrees 00 minutes West; thence eastward along the 42d parallel to 42 degrees 00 minutes North - 111 degrees 03 minutes West; thence north and east along the eastern border of Idaho to 45 degrees 00 minutes North - 113 degrees 00 minutes West; thence north along the 113d meridian to 49 degrees 00 minutes North - 115 degrees 00 minutes West; thence west along the United States-Canada International Boundary to point of beginning; and including that area pertinent to the limit of radar intercept capability and controlled fighter-interceptor capability adjacent to the United States-Canada International Boundary between the 113d meridian on the east and the 121st meridian on the west.

(2) 47th Air Division (Defense) (Seattle Sector). That portion of the Western Air Defense Force area of responsibility enclosed by a line beginning at 48 degrees 00 minutes North - 128 degrees 00 minutes West; thence east to 48 degrees 00 minutes North - 124 degrees 00 minutes West; thence south and east along the United States-Canada International Boundary to 46 degrees 00 minutes North - 121 degrees 00 minutes West; thence north along the 121st meridian to 46 degrees 40 minutes North - 121 degrees 00 minutes West; thence southwest to 43 degrees 00 minutes North - 120 degrees 15 minutes West; thence westward along the 43rd parallel to 43 degrees 00 minutes North - 127 degrees 00 minutes West; thence south and east along the eastern border of Washington to the limit of radar intercept capability and controlled fighter-interceptor capability adjacent to the United States-Canada International Boundary between the 121st meridian on the east and the 127th meridian on the west.

(3) 20th Air Division (Defense) (San Francisco Sector).

That portion of the Western Air Defense Force area of responsibility enclosed by a line, beginning at 42 degrees 00 minutes North - 122 degrees 10 minutes West; thence east along the 42nd parallel to 121 degrees 30 minutes West; thence south along the 117th meridian to 36 degrees 00 minutes North - 117 degrees 30 minutes West; thence northeast to 37 degrees 00 minutes North - 118 degrees 30 minutes West; thence northeast to 39 degrees 00 minutes North - 113 degrees 00 minutes West; thence south along the 113th meridian to 34 degrees 30 minutes North - 113 degrees 00 minutes West; thence westward to 32 degrees 11 minutes North - 113 degrees 45 minutes West; thence westward along the United States-Mexico International Boundary to 34 degrees 30 minutes North - 117 degrees 03 minutes West; thence south to 28 degrees 48 minutes North - 115 degrees 45 minutes West; and including that area south and west to the limit of radar surveillance and controlled fighter-interceptor capability adjacent to the Western Seaboard west and south of the above described line.

(4) 26th Air Division (Defense) (San Francisco Sector).

That portion of the Western Air Defense Force area of responsibility enclosed by a line, beginning at 42 degrees 00 minutes North - 127 degrees 00 minutes West; thence eastward along the 43rd parallel to 43 degrees 00 minutes North - 117 degrees 00 minutes West; thence south along the 117th meridian to 42 degrees 00 minutes North - 117 degrees 00 minutes West; thence eastward along the 42nd parallel to 42 degrees 00 minutes North - 117 degrees 00 minutes West; thence south along the 113th meridian to 39 degrees 00 minutes North - 113 degrees 00 minutes West; thence south along the 113th meridian to 34 degrees 00 minutes North - 118 degrees 30 minutes West; thence east to 34 degrees 00 minutes North - 120 degrees 00 minutes West; thence westward along the 36th parallel to 36 degrees 00 minutes North - 121 degrees 30 minutes West; thence southeast to 34 degrees 00 minutes North - 122 degrees 10 minutes West; and including that area west to the limit of radar surveillance and controlled fighter-interceptor capability adjacent to the Western Seaboard west of the above described line.

Approved and Forwards:

Colonel [Signature] Major General, USAF
 Chief of Staff

COPY

SECRET

COPY

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

OOT-A

27 JAN 1956

SUBJECT: SUBSECTORS OF RESPONSIBILITY

TO: COMMANDER
4707TH AIR DEFENSE WING
OTIS AIR FORCE BASE
FALMOUTH, MASSACHUSETTS

COMMANDER
4711TH AIR DEFENSE WING
PRESQUE ISLE AIR FORCE BASE
PRESQUE ISLE, MAINE

EASTERN AIR DEFENSE FORCE GENERAL ORDER 50, DATED 2 DECEMBER 1955, SPECIFIES THE SUBSECTORS OF RESPONSIBILITY WHICH ARE TO BE EFFECTIVE 1 MARCH 1956. HOWEVER, THE 911TH AC&W SQUADRON WILL NOT BE OPERATIONAL BY 1 MARCH 1956. AS A RESULT, THE SUBSECTORS OF RESPONSIBILITY WILL CONTINUE AS SPECIFIED IN EADF GO 63, DATED 15 NOVEMBER 1954, UNTIL FURTHER NOTICE. ALL UNITS CONCERNED WILL BE NOTIFIED WHEN THE 911TH AC&W SQUADRON AND THE 907TH AC&W SQUADRON ARE OPERATIONALLY CAPABLE OF ASSUMING RESPONSIBILITY FOR THEIR ASSIGNED AREAS.

BY ORDER OF THE COMMANDER:

INFO:
COMDRS, 654TH, 655TH,
764TH, 765TH, 766TH,
907TH & 911TH ACWRONS

/s/ GEORGE T. DORMER
/t/ GEORGE T. DORMER
2ND LT, USAF
ASSISTANT ADJUTANT

SECRET

23/3

56-212

0589

HEADQUARTERS
 EASTERN AIR DEFENSE FORCE (ADC)
 Stewart Air Force Base, Newburgh, NY

GENERAL ORDERS)
 NUMBER 15)

9 February 1956

RESCISSION Section I
 ASSIGNMENT OF AIR DEFENSE SECTORS. Section II
 ASSIGNMENT OF AIR DEFENSE SUBSECTORS Section III

I. RESCISSION. General Orders No. 50, 2 December 1955, this headquarters, Subject: "Assignment of Air Defense Sectors and Subsectors", is rescinded effective 2 March 1956.

II. ASSIGNMENT OF AIR DEFENSE SECTORS.

1. Air Defense Sectors are assigned in ADC General Orders.

III. ASSIGNMENT OF AIR DEFENSE SUBSECTORS. The following air divisions are assigned subsectors of responsibility as indicated, effective 2 March 1956.

a. The subsectors of responsibility for the ACW squadrons within the 26th Air Division (Defense) are as follows:

1. 646th ACW Squadron - (P-9) - From a point in the Atlantic Ocean
 Highlands AF Sta 38° 00' N - 67° 30' W west to 40° 40' N -
 Highlands, N. J. 73° 00' W to 41° 25' N - 74° 00' W to
 41° 35' N - 74° 45' W to 40° 10' N -
 75° 40' W then into the Atlantic Ocean to
 36° 15' N - 68° 00' W.
2. 762d ACW Squadron - (P-10) - From a point in the Atlantic Ocean
 North Truro AF Sta 41° 40' N - 65° 00' W west to 43° 22' N -
 North Truro, Mass. 70° 26' W to 43° 30' N - 71° 30' W to
 42° 00' N - 72° 00' W to 41° 30' N -
 71° 12' W then into the Atlantic Ocean to
 39° 00' N - 66° 00' W.
3. 648th ACW Squadron - (P-30) - From a point 42° 40' N - 75° 00' W to
 Benton AF Station 42° 40' N - 77° 00' W to 41° 30' N -
 Benton, Penna. 78° 30' W to 40° 25' N - 77° 00' W to
 39° 48' N - 75° 58' W to 41° 35' N -
 74° 45' W to 41° 25' N - 74° 00' W to
 42° 40' N - 75° 00' W.

23/4

0590

- 10. 662d ACM Squadron - (P-62) - From a point 42° 30' N - 79° 46' W west along US/Canada boundary to 42° 00' N - 81° 40' W to 41° 00' N - 82° 20' W to 39° 45' N - 81° 40' W to 39° 14' N - 80° 36' W to 41° 30' N - 78° 30' W to 42° 00' N - 79° 46' W.
- 9. 754th ACM Squadron - (P-61) - From a point 43° 33' N - 82° 10' W north along US/Canada boundary to 45° 20' N - 82° 40' W west to 45° 40' N - 84° 30' W to 43° 33' N - 82° 10' W.
- 8. 763d ACM Squadron - (P-21) - From a point 43° 38' N - 77° 30' W west along US/Canada boundary to 42° 30' N - 79° 46' W to 41° 30' N - 78° 30' W to 42° 00' N - 77° 00' W to 43° 38' N - 77° 30' W.
- 7. 661st ACM Squadron - (P-20) - From a point 81° 40' W on US/Canada boundary west and north along US/Canada boundary to 43° 38' N west to 43° 33' N - 84° 30' W to 41° 00' N - 84° 15' W to 41° 00' N - 82° 20' W to 81° 40' W on US/Canada boundary.
- 6. 770th ACM Squadron - (P-54) - From a point in the Atlantic Ocean 36° 15' N - 68° 00' W west to 40° 10' N - 75° 40' W to 39° 48' N - 75° 58' W to Delaware border to 38° 33' N - 75° 42' W to 38° 03' N - 75° 03' W then into the Atlantic Ocean to 35° 40' N - 69° 51' W.
- 5. 656th ACM Squadron - (P-50) - From a point 43° 43' N - 74° 30' W east along sector boundary to 43° 30' N - 71° 30' W to 42° 00' N - 72° 00' W to 41° 25' N - 74° 00' W to 42° 40' N - 75° 00' W to 43° 43' N - 74° 30' W.
- 4. 773d ACM Squadron - (P-45) - From a point in the Atlantic Ocean 39° 00' N - 66° 00' W west to 41° 30' N - 71° 12' W to 42° 00' N - 72° 00' W to 41° 25' N - 74° 00' W to 40° 40' N - 75° 00' W then into the Atlantic Ocean to 38° 00' N - 67° 30' W.

GO 15 HEADQUARTERS (ADC) Stewart AFB Newburgh NY 9 Feb 56 (CONT)

GO 15 HEDEADF (ADC) Stewart AFB Newburgh NY 9 FEB 56 (CONT)

4. 773d ACW Squadron - (P-45) - From a point in the Atlantic Ocean
Montauk AF Station
Montauk, L.I., N.Y. $39^{\circ} 00' N - 66^{\circ} 00' W$ west to $41^{\circ} 30' N - 71^{\circ} 12' W$ to $42^{\circ} 00' N - 72^{\circ} 00' W$ to $41^{\circ} 25' N - 74^{\circ} 00' W$ to $40^{\circ} 40' N - 73^{\circ} 00' W$ then into the Atlantic Ocean to $38^{\circ} 00' N - 67^{\circ} 30' W$.
5. 656th ACW Squadron - (P-50) - From a point $43^{\circ} 43' N - 74^{\circ} 30' W$ east
Saratoga Springs AFS
Saratoga Springs, NY along sector boundary to $43^{\circ} 30' N - 71^{\circ} 30' W$ to $42^{\circ} 00' N - 72^{\circ} 00' W$ to $41^{\circ} 25' N - 74^{\circ} 00' W$ to $42^{\circ} 40' N - 75^{\circ} 00' W$ to $43^{\circ} 43' N - 74^{\circ} 30' W$.
6. 770th ACW Squadron - (P-54) - From a point in the Atlantic Ocean
Palermo AF Station
Palermo, N. J. $36^{\circ} 15' N - 68^{\circ} 00' W$ west to $40^{\circ} 10' N - 75^{\circ} 40' W$ to $39^{\circ} 48' N - 75^{\circ} 58' W$ to $39^{\circ} 43' N - 75^{\circ} 47' W$ south along Maryland Delaware border to $38^{\circ} 33' N - 75^{\circ} 42' W$ to $38^{\circ} 33' N - 75^{\circ} 03' W$ then into the Atlantic Ocean to $35^{\circ} 40' N - 69^{\circ} 51' W$.

b. The subsectors of responsibility for the ACW squadrons within 30th Air Division (Defense) are as follows:

7. 661st ACW Squadron - (P-20) - From a point $81^{\circ} 40' W$ on US/Canada boundary
Selfridge AFB
Mt. Clemens, Mich. west and north along US/Canada boundary to $43^{\circ} 38' N$ west to $43^{\circ} 33' N - 84^{\circ} 30' W$ to $41^{\circ} 00' N - 84^{\circ} 15' W$ to $41^{\circ} 00' N - 82^{\circ} 20' W$ to $81^{\circ} 40' W$ on US/Canada boundary.
8. 763d ACW Squadron - (P-21) - From a point $43^{\circ} 38' N - 77^{\circ} 30' W$ west
Lockport AF Sta
Lockport, N. Y. along US/Canada boundary to $42^{\circ} 30' N - 79^{\circ} 46' W$ to $42^{\circ} 00' N - 79^{\circ} 46' W$ to $41^{\circ} 30' N - 78^{\circ} 30' W$ to $42^{\circ} 40' N - 77^{\circ} 00' W$ to $43^{\circ} 38' N - 77^{\circ} 30' W$.
9. 754th ACW Squadron - (P-61) - From a point $43^{\circ} 33' N - 82^{\circ} 10' W$ north
Port Austin AF Sta
Port Austin, Mich. along US/Canada boundary to $45^{\circ} 20' N - 82^{\circ} 30' W$ west to $45^{\circ} 40' N - 84^{\circ} 30' W$ to $43^{\circ} 33' N - 84^{\circ} 30' W$ to $43^{\circ} 33' N - 82^{\circ} 10' W$.
10. 662d ACW Squadron - (P-62) - From a point $42^{\circ} 30' N - 79^{\circ} 46' W$ west
Brookfield AF Sta
Brookfield, Ohio along US/Canada boundary to $42^{\circ} 00' N - 81^{\circ} 40' W$ to $41^{\circ} 00' N - 82^{\circ} 20' W$ to $39^{\circ} 45' N - 81^{\circ} 40' W$ to $39^{\circ} 14' N - 80^{\circ} 36' W$ to $41^{\circ} 30' N - 78^{\circ} 30' W$ to $42^{\circ} 00' N - 79^{\circ} 46' W$ to $42^{\circ} 30' N - 79^{\circ} 46' W$.

GO 15 HEDEADF (ADC) Stewart AFB Newburgh NY 9 FEB 56 (CONT)

11. 772d ACW Squadron - (P-63) - From a point $41^{\circ} 30' N - 78^{\circ} 30' W$ southwest to $39^{\circ} 14' N - 80^{\circ} 36' W$ to $38^{\circ} 42' N - 79^{\circ} 32' W$ to $40^{\circ} 25' N - 77^{\circ} 00' W$ to $41^{\circ} 30' N - 78^{\circ} 30' W$.
12. 781st ACW Squadron - (P-67) - From a point $43^{\circ} 33' N - 84^{\circ} 30' W$ west to $43^{\circ} 33' N - 86^{\circ} 30' W$ to $41^{\circ} 20' N - 87^{\circ} 10' W$ to $40^{\circ} 30' N - 85^{\circ} 30' W$ to $41^{\circ} 00' N - 84^{\circ} 15' W$ to $43^{\circ} 33' N - 84^{\circ} 30' W$.

c. The subsectors of responsibility for the ACW squadrons within the 32d Air Division (Defense) are as follows:

13. 654th ACW Squadron - (P-13) - From a point in the Atlantic Ocean $42^{\circ} 00' N - 65^{\circ} 00' W$ west to $44^{\circ} 40' N - 69^{\circ} 00' W$ to $44^{\circ} 40' N - 70^{\circ} 00' W$ to $43^{\circ} 30' N - 71^{\circ} 30' W$ to $43^{\circ} 22' N - 70^{\circ} 26' W$ then a line into the Atlantic Ocean to $41^{\circ} 40' N - 65^{\circ} 00' W$.
14. 764th ACW Squadron - (P-14) - From a point at US/Canada boundary $45^{\circ} 00' N - 74^{\circ} 48' W$ along US/Canada boundary to $45^{\circ} 00' N - 72^{\circ} 30' W$ to $43^{\circ} 39' N - 72^{\circ} 30' W$ to $43^{\circ} 43' N - 74^{\circ} 30' W$ to US/Canada boundary $45^{\circ} 00' N - 74^{\circ} 48' W$.
15. 655th ACW Squadron - (P-49) - From a point $43^{\circ} 38' N - 77^{\circ} 30' W$ along US/Canada boundary to $45^{\circ} 00' N - 74^{\circ} 48' W$ to $43^{\circ} 43' N - 74^{\circ} 30' W$ to $42^{\circ} 40' N - 75^{\circ} 00' W$ to $42^{\circ} 40' N - 77^{\circ} 00' W$ to US/Canada boundary $43^{\circ} 38' N - 77^{\circ} 30' W$.
16. 765th ACW Squadron - (P-65) - From a point $46^{\circ} 00' N - 70^{\circ} 19' W$ on US/Canada boundary to $46^{\circ} 00' N - 67^{\circ} 47' W$ south to $45^{\circ} 00' N - 67^{\circ} 00' W$ to $44^{\circ} 40' N - 69^{\circ} 00' W$ to $44^{\circ} 40' N - 70^{\circ} 00' W$ to $45^{\circ} 23' N - 70^{\circ} 35' W$ north along US/Canada boundary to $46^{\circ} 00' N - 70^{\circ} 19' W$.
17. 766th ACW Squadron - (P-80) - From a point $46^{\circ} 00' N - 67^{\circ} 47' W$ along US/Canada border to $47^{\circ} 30' N - 69^{\circ} 10' W$ southwest along US/Canada border to $46^{\circ} 00' N - 70^{\circ} 19' W$ to $46^{\circ} 00' N - 67^{\circ} 47' W$.

GO 15 HEDEADF (ADC) Stewart AFB Newburgh NY 9 FEB 56 (CONT)

18. 907th ACW Squadron - (M-110) - From a point in the Atlantic Ocean
Bucks Harbor, Maine
43° 00' N - 65° 15' W northwest to
44° 49' N - 66° 56' W northwest along
US/Canada border to 45° 00' N - 67° 00' W
to 44° 40' N - 69° 00' W then a line
extending into the Atlantic Ocean to
42° 00' N - 65° 00' W.

d. The subsectors of responsibility for the ACW squadrons within
the 35th Air Division (Defense) are as follows:

19. 702d ACW Squadron - (M-112) - From a point in the Atlantic Ocean
Hunter AFB, Ga.
29° 50' N - 75° 00' W west to 32° 30' N -
80° 31' W to 33° 00' N - 81° 00' W to
33° 00' N - 83° 00' W to 31° 30' N -
83° 00' W to 31° 30' N - 81° 20' W then
into the Atlantic Ocean to 28° 30' N -
75° 00' W.
20. 792d ACW Squadron - (M-113) - From a point in the Atlantic Ocean
No. Charleston AFS
No. Charleston, SC
31° 18' N - 74° 16' W west to 33° 31' N -
79° 03' W to 34° 15' N - 80° 00' W south-
west to 33° 00' N - 81° 00' W to 32° 30' N -
80° 31' W then into the Atlantic Ocean to
29° 50' N - 75° 00' W.
21. 657th ACW Squadron - (M-126) - From a point in the Gulf of Mexico
Houma NAS, La.
25° 00' N - 89° 00' W north to 29° 10' N -
89° 00' W to 30° 12' N - 89° 33' W north
along Pearl River to 31° 00' N - 89° 45' W
to 31° 00' N - 91° 45' W then a line ex-
tending into Gulf of Mexico to 25° 00' N -
91° 45' W.
22. 660th ACW Squadron - (M-129) - From a point in the Atlantic Ocean
MacDill AFB, Fla.
26° 12' N - 75° 00' W west to 29° 05' N -
80° 55' W to 29° 10' N - 82° 30' W to
29° 05' N - 82° 45' W west into the Gulf
of Mexico to 29° 05' N - 84° 25' W then
south into the Gulf of Mexico to 25° 00' N -
84° 25' W.
23. 861st ACW Squadron - (SM-159) - From a point 34° 49' N - 80° 49' W along
Aiken, So. Carolina
the So. Carolina/No. Carolina border to
35° 02' N - 83° 00' W to 33° 00' N -
83° 00' W to 33° 00' N - 81° 00' W to
34° 15' N - 80° 00' W to 34° 49' N -
80° 49' W.

GO 15 HEDEADF (ADG) Stewart AFB Newburgh NY 9 FEB 56 (CONT)

e. The subsectors of responsibility for the ACW squadrons within the 37th Air Division (Defense) are as follows:

24. 665th ACW Squadron - (P-16) - From a point $46^{\circ} 00' N - 87^{\circ} 00' W$ north into Canada to $48^{\circ} 15' N - 35^{\circ} 30' W$ to $48^{\circ} 45' N - 87^{\circ} 00' W$ to $48^{\circ} 45' N - 90^{\circ} 00' W$ to $48^{\circ} 03' N - 90^{\circ} 00' W$ to $48^{\circ} 03' N - 89^{\circ} 32' W$ to $47^{\circ} 50' N - 90^{\circ} 00' W$ to $46^{\circ} 30' N - 90^{\circ} 00' W$ to $46^{\circ} 00' N - 87^{\circ} 00' W$.
25. 676th ACW Squadron - (P-19) - From a point $46^{\circ} 00' N - 87^{\circ} 00' W$ west to $46^{\circ} 30' N - 90^{\circ} 00' W$ to $46^{\circ} 00' N - 91^{\circ} 00' W$ to $44^{\circ} 00' N - 90^{\circ} 50' W$ to $44^{\circ} 00' N - 89^{\circ} 00' W$ to $45^{\circ} 00' N - 87^{\circ} 45' W$ to $46^{\circ} 00' N - 87^{\circ} 00' W$.
26. 755th ACW Squadron - (P-31) - From a point $45^{\circ} 00' N - 87^{\circ} 45' W$ southwest to $44^{\circ} 00' N - 89^{\circ} 00' W$ to $44^{\circ} 00' N - 90^{\circ} 50' W$ to $42^{\circ} 00' N - 90^{\circ} 40' W$ to $41^{\circ} 20' N - 88^{\circ} 45' W$ to $41^{\circ} 20' N - 87^{\circ} 10' W$ to $43^{\circ} 33' N - 86^{\circ} 30' W$ to $45^{\circ} 00' N - 87^{\circ} 45' W$.
27. 752d ACW Squadron - (P-34) - From a point $45^{\circ} 40' N - 84^{\circ} 30' W$ west to $46^{\circ} 00' N - 87^{\circ} 00' W$ to $45^{\circ} 00' N - 87^{\circ} 45' W$ to $43^{\circ} 33' N - 86^{\circ} 30' W$ to $43^{\circ} 33' N - 84^{\circ} 30' W$ to $45^{\circ} 40' N - 84^{\circ} 30' W$.
28. 753d ACW Squadron - (P-66) - From a point $45^{\circ} 20' N$ on US/Canada boundary north into Canada to $48^{\circ} 20' N - 83^{\circ} 00' W$ to $48^{\circ} 15' N - 85^{\circ} 30' W$ to $46^{\circ} 00' N - 87^{\circ} 00' W$ to $45^{\circ} 20' N$ on US/Canada boundary.
29. 913th ACW Squadron - (C-14) - From $53^{\circ} 00' N - 82^{\circ} 18' W$ to $53^{\circ} 00' N - 87^{\circ} 00' W$ to $48^{\circ} 45' N - 87^{\circ} 00' W$ to $48^{\circ} 15' N - 85^{\circ} 30' W$ to $48^{\circ} 20' N - 83^{\circ} 00' W$ to $49^{\circ} 30' N - 82^{\circ} 18' W$.
30. 914th ACW Squadron - (C-15) - From $53^{\circ} 00' N - 87^{\circ} 00' W$ to $53^{\circ} 00' N - 90^{\circ} 00' W$ to $48^{\circ} 45' N - 90^{\circ} 00' W$ to $48^{\circ} 45' N - 87^{\circ} 00' W$ to $53^{\circ} 00' N - 87^{\circ} 00' W$.

GO 15 HEDEADF (ADC) Stewart AFB Newburgh NY 9 FEB 56 (CONT)

f. The subsectors of responsibility for the ACW squadrons within the 58th Air Division (Defense) are as follows:

31. 663d ACW Squadron - (P-42) - From a point $38^{\circ} 45' N - 83^{\circ} 15' W$ west to $38^{\circ} 45' N - 84^{\circ} 30' W$ to $37^{\circ} 00' N - 85^{\circ} 00' W$ to $35^{\circ} 50' N - 85^{\circ} 00' W$ to $34^{\circ} 43' N - 84^{\circ} 08' W$ to $34^{\circ} 59' N - 83^{\circ} 22' W$ east along So. Carolina/No. Carolina boundary to $35^{\circ} 11' N - 82^{\circ} 00' W$ north to $36^{\circ} 35' N - 82^{\circ} 00' W$ to $38^{\circ} 45' N - 83^{\circ} 15' W$.
32. 783d ACW Squadron - (P-43) - From a point $38^{\circ} 42' N - 79^{\circ} 32' W$ northwest to $39^{\circ} 45' N - 81^{\circ} 40' W$ to $38^{\circ} 45' N - 83^{\circ} 15' W$ to $36^{\circ} 35' N - 82^{\circ} 00' W$ to $37^{\circ} 00' N - 81^{\circ} 00' W$ to $38^{\circ} 42' N - 79^{\circ} 32' W$.
33. 782d ACW Squadron - (P-53) - From a point $41^{\circ} 20' N - 87^{\circ} 10' W$ west to $41^{\circ} 20' N - 88^{\circ} 45' W$ to $38^{\circ} 40' N - 88^{\circ} 58' W$ to $38^{\circ} 40' N - 87^{\circ} 00' W$ to $39^{\circ} 20' N - 85^{\circ} 15' W$ to $40^{\circ} 30' N - 85^{\circ} 30' W$ to $41^{\circ} 20' N - 87^{\circ} 10' W$.
34. 664th ACW Squadron - (P-73) - From a point $41^{\circ} 00' N - 82^{\circ} 20' W$ west to $41^{\circ} 00' N - 84^{\circ} 15' W$ to $40^{\circ} 30' N - 85^{\circ} 30' W$ to $39^{\circ} 20' N - 85^{\circ} 15' W$ to $38^{\circ} 45' N - 84^{\circ} 30' W$ to $38^{\circ} 45' N - 83^{\circ} 15' W$ to $39^{\circ} 45' N - 81^{\circ} 40' W$ to $41^{\circ} 00' N - 82^{\circ} 20' W$.
35. 784th ACW Squadron - (P-82) - From a point $38^{\circ} 45' N - 84^{\circ} 30' W$ northwest to $39^{\circ} 20' N - 85^{\circ} 15' W$ to $38^{\circ} 40' N - 87^{\circ} 00' W$ to $38^{\circ} 40' N - 88^{\circ} 58' W$ to $37^{\circ} 13' N - 89^{\circ} 10' W$ to $37^{\circ} 00' N - 89^{\circ} 10' W$ to $37^{\circ} 00' N - 85^{\circ} 00' W$ to $38^{\circ} 45' N - 84^{\circ} 30' W$.

g. The subsectors of responsibility for the ACW squadrons within the 85th Air Division (Defense) are as follows:

36. 647th ACW Squadron - (P-55) - From a point $38^{\circ} 29' N - 75^{\circ} 45' W$ north to $39^{\circ} 43' N - 75^{\circ} 47' W$ to $40^{\circ} 25' N - 77^{\circ} 00' W$ to $38^{\circ} 42' N - 79^{\circ} 32' W$ to $37^{\circ} 40' N - 77^{\circ} 40' W$ to $38^{\circ} 29' N - 75^{\circ} 45' W$.

GO 15 HEDEADF (ADC) Stewart AFB Newburgh NY 9 FEB 56 (CONT)

37. 771st ACW Squadron - (P-56) - From a point in the Atlantic Ocean
Cape Charles AF Sta
Cape Charles, Va. $35^{\circ} 40' N - 69^{\circ} 51' W$ west to $38^{\circ} 33' N - 75^{\circ} 03' W$ to $38^{\circ} 33' N - 75^{\circ} 42' W$ south to $38^{\circ} 29' N - 75^{\circ} 45' W$ to $37^{\circ} 40' N - 77^{\circ} 40' W$ to $36^{\circ} 20' N - 76^{\circ} 45' W$ to $36^{\circ} 00' N - 76^{\circ} 00' W$ then into the Atlantic Ocean to $32^{\circ} 36' N - 70^{\circ} 00' W$.
38. 701st ACW Squadron - (M-115) - From a point in the Atlantic Ocean
Fort Fisher, N. C. $31^{\circ} 46' N - 72^{\circ} 00' W$ west to $34^{\circ} 30' N - 77^{\circ} 30' W$ to $35^{\circ} 37' N - 78^{\circ} 37' W$ to $34^{\circ} 15' N - 80^{\circ} 00' W$ to $33^{\circ} 31' N - 79^{\circ} 03' W$ then into the Atlantic Ocean to $31^{\circ} 10' N - 74^{\circ} 16' W$.
39. 632d ACW Squadron - (M-117) - From a point $37^{\circ} 40' N - 77^{\circ} 40' W$ south-west to $36^{\circ} 31' N - 79^{\circ} 00' W$ to $36^{\circ} 00' N - 79^{\circ} 00' W$ to $35^{\circ} 05' N - 78^{\circ} 05' W$ to $36^{\circ} 20' N - 76^{\circ} 45' W$ to $37^{\circ} 40' N - 77^{\circ} 40' W$.
40. 649th ACW Squadron - (M-121) - From a point $37^{\circ} 40' N - 77^{\circ} 40' W$ north-west to $38^{\circ} 42' N - 79^{\circ} 32' W$ to $37^{\circ} 00' N - 81^{\circ} 00' W$ to $36^{\circ} 31' N - 79^{\circ} 00' W$ to $37^{\circ} 40' N - 77^{\circ} 40' W$.

BY ORDER OF THE COMMANDER:

OFFICIAL:

John L. Warren
JOHN L. WARREN
Colonel, USAF
Adjutant

W. R. GROHS
Colonel, USAF
Chief of Staff

DISTRIBUTION:

A - G;
Navy List IV

COPY

COPY

HEADQUARTERS
EASTERN AIR DEFENSE FORCE
STEWART AIR FORCE BASE, NEWBURGH, NEW YORK

EA00T-06

FEBRUARY 24, 1956

SUBJECT: ASSIGNMENT OF AIR DEFENSE SUBSECTORS

TO: COMMANDER
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

1. GENERAL ORDERS NUMBER 15, 9 FEBRUARY 1956, SUBJECT: ASSIGNMENT OF AIR DEFENSE SECTORS AND SUBSECTORS NOW IN PROCESS OF PUBLICATION WILL RESCIND GENERAL ORDERS NUMBER 30, 2 DECEMBER 1955, EFFECTIVE 2 MARCH 1956.

2. GENERAL ORDERS NUMBER 15 LISTS THOSE UNITS THAT ARE OPERATIONAL OR ESTIMATED TO BE OPERATIONAL WITHIN THIRTY (30) DAYS.

3. THE SUBSECTOR OF RESPONSIBILITY LISTED IN ATTACHMENT NUMBER ONE WILL BE EFFECTIVE ON THE OPERATIONAL DATE OF THE UNIT CONCERNED. FOR THE INTERIM, THE DIVISION COMMANDER WILL ASSIGN THE RESPONSIBILITY FOR THIS AREA TO THE APPROPRIATE OPERATIONAL UNIT COMMENSURATE WITH UNIT CAPABILITY. THIS HEADQUARTERS WILL BE ADVISED OF THE ASSIGNMENT IN ACCORDANCE WITH THIS POLICY.

BY ORDER OF THE COMMANDER:

1 ATCH
ASSIGNMENT OF AIR
DEF SUBSECTORS

S/
J. W. FOUNTAIN, JR.
MAJOR, USAF
ASST. ADJUTANT

23/5

0598

COPYC

COPY

HQ EADF EA00T-05 SUBJECT: ASSIGNMENT OF AIR DEFENSE SUBSECTORS
OOT-A (24 FEBRUARY 1956) 1ST IND 2 MAR 1956

HEADQUARTERS, 32D AIR DIVISION (DEFENSE), SYRACUSE AIR FORCE
STATION, SYRACUSE 6, NEW YORK

TO: COMMANDER, EASTERN AIR DEFENSE FORCE, STEWART AIR FORCE BASE,
NEWBURGH, NEW YORK

1. SUBSECTORS OF RESPONSIBILITY WITHIN THE 32D AIR DIVISION (DEFENSE) AREA WILL REMAIN ESSENTIALLY AS OUTLINED IN EADF GENERAL ORDER #63 DATED 15 NOVEMBER 1954, UNTIL FURTHER NOTICE.
2. THIS POLICY IS NECESSARY PENDING SITES M-103 AND M-110 BECOMING OPERATIONAL.
3. ALL UNITS CONCERNED WILL BE NOTIFIED WHEN THE 907TH AC&W SQUADRON AND THE 911TH AC&W SQUADRON ARE OPERATIONALLY CAPABLE OF ASSUMING RESPONSIBILITY FOR THEIR ASSIGNED AREAS UNDER EADF GENERAL ORDER #15 DATED 9 FEBRUARY 1956.

FOR THE COMMANDER:

1 ATCH
W/D

/s/ EVERITT W. HOWE
/t/ EVERITT W. HOWE
MAJOR, USAF
ADJUTANT

COPY

COPY

SECRET

XXXX ST ALBANS AFS, VT 07/2010Z MAR 56
 COMDR 765 ACWRON, CHARLESTON AFS, ME
 COMDR 766 ACWRON, CASWELL AFS, LIMESTONE, ME
 COMDR 907 ACWRON, BUCKS HARBOR AFS, MACHIAS, ME (MAIL)
 COMDR 911 ACWRON, N CONCORD AFS, VT (MAIL)

INFO: COMDR 14 FG, ETHAN ALLEN AFB, WINOOSKI, VT
 COMDR 23 FB, PQI AFB, ME

/SECRET/ACFOOT-A 03037 PD REF EADF LTR EA00T DASH OSCAR SIERRA
 OMM SUBJ UNCL OPNL SUBSECTOR BNDRY DTD TWO MAR FIVE SIX PD EFF ONE
 MAR SUBSECTORS OF THE ACWRONS WITHIN THE THREE TWO AIR DIV PAREN DEF
 PAREN ARE EXTENDED INTO CANADA AS FOLS ULN PAREN ALFA PAREN PAPA DASH
 EIGHT ZERO DASH FROM A POINT AT SIX NINE DEG ONE ZERO MIN WEST OMM
 UNITED STATES SLASH CANADA BOUNDARY EAST AND SOUTH ALONG THE BOUNDARY
 TO FOUR SIX DEG ZERO ZERO MIN NORTH TO FOUR SIX DEG ZERO ZERO MIN
 NORTH SIX SEVEN DEG ZERO ZERO MIN WEST TO FOUR EIGHT DEG ZERO ZERO
 MIN NORTH DASH SIX SEVEN DEG ZERO ZERO MIN WEST TO UNITED STATES
 SLASH CANADA BOUNDARY SIX NINE DEG ONE ZERO MIN WEST PD PAREN BRAVO

SECRET

1 2

SECRET

56-734

23/6

0600

COPY

COPY

SECRET

PAREN PAPA DASH SIX FIVE DASH FROM A POINT AT FOUR SIX DEG
 ZERO ZERO NORTH UNITED STATES SLASH CANADA BOUNDARY SOUTHEAST
 ALONG THE BOUNDARY TO SIX SEVEN DEG ZERO ZERO MIN WEST TO FOUR
 SIX DEG ZERO ZERO MIN NORTH DASH SIX SEVEN DEG ZERO ZERO MIN WEST
 TO FOUR SIX DEG ZERO ZERO MIN NORTH DASH UNITED STATES SLASH CANADA
 BOUNDARY PD ACWRONS WILL COND SURV AND IDENT EXCEPT FOR VISUAL
 IDENT UTILIZING INTOPRS FOR ALL THAT PORTION OF THEIR SUBSECTOR
 LOCATED OVER CANADA PD IDENT UTILIZING INTOPRS WILL BE COND IAW
 THE PROVS OF EADFR FIVE FIVE DASH THREE SEVEN UMM ONE NINE AUG FIVE
 FIVE PD THESE EXTENSIONS DO NOT CONSTITUTE A CHANGE TO EADF GEN ORD
 ONE FIVE DTD NINE FEB FIVE SIX PD THE ABOVE PROVS WILL SUPERSEDE
 EADF LTR EAOOT DASH OSCAR SIERRA UMM SUBJ UNCL OPNL SUBSECTOR
 BOUNDARIES DTD TWO SIX MAY FIVE FIVE PD ALL INFORMED

SECRET

2 2

WM. M. SHELTON, LTJOL, USAF

W. W. INGENHUTT, COL, USAF

07/1325Z MAR 56 D/OOT 111

ODO/142

56-734

SECRET

0601

COPY

COPY

7/2130Z

UNCLASSIFIED

HQ 32D AD(D) SYR AFS SYR NY

PRIORITY

COMDR 654 ACWRON BRUNSWICK NAS, ME	X	X
COMDR 655 ACWRON WATERTOWN AFS, NY		
COMDR 764 ACWRON ST ALBANS AFS, VT		X
COMDR 765 ACWRON CHARLESTON AFS, ME		
COMDR 766 ACWRON CASWELL AFS, LIMESTONE, ME		
COMDR 14 FG, ETHAN ALLEN AFB, WINDSOOKI, VT		
COMDR 23 FG, PQI AFB, ME		

/UNCLASSIFIED/ACFOOT-A 03038 PD SUBSECTORS OF RESPONSIBILITY WITHIN THE 32D AIR DIV WILL REMAIN ESSENTIALLY AS OUTLINED IN EADF GEN ORDC 63 DTD 15 NOV 54 UNTIL FURTHER NOTICE PD THIS POLICY IS NEC PENDING SITES M-103 AND M-110 BECOMING OPNL PD ALL UNITS CONCERNED WILL BE NOTIFIED WHEN THE 907TH ACWRON AND THE 911TH ACWRON ARE OPNLY CAPABLE OF ASSUMING RESPONSIBILITY FOR THEIR ASSGD AREAS UNDER EADF GEN ORD 15 DTD 9 FEB 56 PD ALL INFORMED

UNCLASSIFIED 1 1

WM. M. SHELTON, LTJG, USAF

W. W. INSEHUTT, COL, USAF

07/1505Z MAR 56 D/OOT 111

ODC/142

23/7

0602

HEADQUARTERS
3. D AIR DIVISION (DEFENSE)
Syracuse Air Force Station
Syracuse 6, New York

GENERAL ORDERS)
NUMBER 97

5 June 1956

ASSIGNMENT OF AIR DEFENSE SUBSECTORS

1. The following subsectors of responsibility are assigned under the authority contained in paragraph 1, Headquarters Eastern Air Defense Force letter EAOGT-OS, subject: "Assignment of Air Defense Subsectors" dated 24 February 1956.

a. Effective 1 June 1956, the subsectors of responsibility for ACW squadrons in the 3d Air Division (Defense) are as follows:

40th ACW Squadron - (F-101) - From 71°00' N to 72°00' N on the Atlantic Coast of 60° W to 65° W; 71°00' N to 72°00' N on 65° W to 60° W; 71°00' N to 72°00' N on the Canada-US Boundary East to 65° W; 71°00' N to 72°00' N on the Atlantic Coast to 60° W.

41st ACW Squadron - (F-101) - From 72°00' N to 73°00' N on 65° W to 60° W; 72°00' N to 73°00' N on the Canada-US Boundary East to 65° W; 72°00' N to 73°00' N on 60° W to 65° W.

42nd ACW Squadron - (P-51) - From 73°00' N to 74°00' N on the Canada-US Boundary East to 65° W; 73°00' N to 74°00' N on 60° W to 65° W on the Canada-US Boundary.

43rd ACW Squadron - (P-51) - From 74°00' N to 75°00' N on the Canada-US Boundary East to 65° W; 74°00' N to 75°00' N on the Canada-US Boundary East to 60° W; 74°00' N to 75°00' N on 60° W to 65° W on the Canada-US Boundary.

44th ACW Squadron - (P-51) - From 75°00' N to 76°00' N on the Canada-US Boundary East to 65° W; 75°00' N to 76°00' N on 60° W to 65° W.

CONFIDENTIAL
[Signature]
Major General
Commanding General

23/8

0603

COPY

SECRET

COPY

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

OCE

7 Nov 1955

SUBJECT: ALTERNATE COMMAND POST CABLE REQUIREMENTS

TO: COMMANDER
EASTERN AIR DEFENSE FORCE
ATTN: WIRE BRANCH DC&E
STEWART AIR FORCE BASE
NEWBERGH, NEW YORK

1. WITH THE IMPLEMENTATION OF EADF ACTIVATION PLAN 101-55 ON 1 FEBRUARY 1956, THE 32ND AIR DIVISION (DEFENSE) ALTERNATE COMMAND POST AT P-50 WILL PASS INTO THE 26TH AIR DIVISION (DEFENSE) AREA.

2. P-44 AT ST. ALBANS, VERMONT HAS PROVEN TO BE THE LOGICAL LOCATION FOR THE NEW ALTERNATE COMMAND POST. THIS CHOICE WAS MADE AFTER CONSIDERATION OF THE LOCATION, THE EXISTING FACILITIES AND THE MINIMUM EXPENDITURE OF FUNDS REQUIRED TO INSTALL A COMMAND CAPABILITY AT THAT SITE.

3. IN SUPPORT OF THE ABOVE, A REQUIREMENT EXISTS FOR THE INSTALLATION OF THE FOLLOWING LINES BETWEEN ST. ALBANS, VERMONT AND CASWELL, MAINE.

- A. OVERLAP TELLING
- B. CONTROL
- C. AIR SURVEILLANCE

4. THE INSTALLATION OF THESE CIRCUITS WILL EXHAUST CABEE FACILITIES BETWEEN THE CITY OF ST. ALBANS AND P-44. ALSO, EXISTING SPARE CABLE FACILITIES ON BASE WILL BE REDUCED TO FOUR PAIR.

5. IN ADDITION A FUTURE REQUIREMENT INTO P-44 FOR THE FOLLOWING FACILITIES EXISTS.

- A. GAP FILLER PROGRAM - 4 PAIRS
- B. CANADIAN CIRCUITS - 2 PAIRS
- C. CROSSTELLING TO M-103 - 3 PAIRS

SECRET

554006

24

0604

COPY

SECRET

COPY

Hq 32D AD(D) OCE SUBJECT: ALTERNATE COMMAND POST CALBE
REQUIREMENTS

6. TO FULFILL THESE REQUIREMENTS, IT WILL NECESSITATE IN-
STALLING AT LEAST 20 ADDITIONAL PAIRS BETWEEN ST. ALBANS TELEPHONE
CENTRAL OFFICE AND P-14. ALSO, AN ADDITIONAL 20 PAIRS ON THE
BASE TO MATCH THESE ENTRANCE FACILITIES.

FOR THE COMMANDER:

/s/ EVERITT W. HOWE
/t/ EVERITT W. HOWE
MAJOR, USAF
ADJUTANT

2

SECRET

554006

0605

COPY

SECRET

COPY

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

OCE

14 MAR 1956

SUBJECT: ALTERNATE COMMAND POST

TO: COMMANDER
14TH FIGHTER GROUP
ETHAN ALLEN AIR FORCE BASE
WINOOSKI, VERMONT

1. CURRENT EMERGENCY OPERATION PLANS UNDER PREPARATION AT THIS HEADQUARTERS WILL ESTABLISH THE ADDC AT ST ALBANS, VERMONT AS AN ALTERNATE 32D AIR DIVISION (DEFENSE) OPERATING LOCATION FOR USE DURING AN EMERGENCY OR IN THE EVENT OF THE DETERIORATION OF NORMAL COMMUNICATIONS AT THE SYRACUSE ADDC.
2. TO PREPARE FOR SUCH AN EMERGENCY IT IS DESIRED THAT THE 764TH ACWRON PREPARE AN OPERATING LOCATION ADJACENT TO THE DIRECTION CENTER WHERE AN AREA PLOTTING BOARD MAY BE INSTALLED AND SUFFICIENT COMMUNICATIONS TERMINALS ESTABLISHED TO PROVIDE THE EMERGENCY COMMANDER AND STAFF WITH A COMBAT OPERATIONS CENTER. APPROXIMATELY 400 SQUARE FEET WILL BE REQUIRED.
3. CONSIDERATION IS BEING GIVEN TO REHABILITATION AND USE OF PLOTTING EQUIPMENT COMPONENTS, PART OF THE AN/CPS-6B RADAR, FORMERLY USED FOR TRAINING AT THAT STATION AND PRESENTLY BELIEVED TO BE IN STORAGE. FOR THE ESTABLISHMENT OF THE COMMUNICATIONS TERMINAL IT IS DESIRED THAT TIMELY ACTION BE TAKEN THROUGH THE SUPPORT BASE TO RETAIN COMPONENTS AS REQUIRED FROM THE INSTALLED AN/CPS-6B TELEPHONE CENTRAL WHEN THE NEW AN/GTA-6A EQUIPMENT IS PLACED IN OPERATION.
4. THIS INFORMATION IS FURNISHED FOR PLANNING PURPOSES AT THIS TIME. MORE COMPLETE PLANS, CIRCUIT DIAGRAMS, ETC; WILL BE FORWARDED AS THEY ARE DEVELOPED.

BY ORDER OF THE COMMANDER:

/s/ GEORGE T. DORMER
/t/ GEORGE T. DORMER
2NDLT, USAF
ASSISTANT ADJUTANT 25/1

SECRET

56-888

0606

COPY

COPY

SECRET
HEADQUARTERS
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

OCE

25 APR 1956

SUBJECT: ALTERNATE OPERATING LOCATION (UNCLASSIFIED)

TO: COMMANDER
EASTERN AIR DEFENSE FORCE
STEWART AIR FORCE BASE
NEWBURGH, NEW YORK

1. IN ACCORDANCE WITH PARAGRAPH 14c PART VI, APPENDIX 1 TO ANNEX H OF ADCOMP 1-56. THIS HEADQUARTERS PLANS TO ESTABLISH AN ALTERNATE OPERATING LOCATION FOR THE HEADQUARTERS 32ND JADD AND TO DESIGNATE AN ALTERNATE TEMPORARY COMMANDER.

2. THE 764TH AC&W SQUADRON, ST ALBANS, VERMONT HAS BEEN CHOSEN FOR THIS LOCATION. MUCH CONSIDERATION WAS GIVEN TO EXISTING FACILITIES AND THE MINIMUM EXPENDITURES OF FUNDS REQUIRED TO INSTALL A CONTROL CAPABILITY. THIS CHOICE WAS MADE AFTER CONSIDERING ALL SITES IN THIS DIVISION.

3. IN SUPPORT OF THE ABOVE A REQUIREMENT EXISTS FOR THE INSTALLATION OF ONE EACH ENGINEERED CIRCUIT FROM ST ALBANS TO EACH OF THE FOLLOWING UNITS:

- A. 654TH AC&W SQUADRON, BRUNSWICK, MAINE
- B. 765TH AC&W SQUADRON, CHARLESTON, MAINE
- C. 766TH AC&W SQUADRON, CASWELL, MAINE

THUS ENABLING THE 764TH AC&W SQUADRON TO HAVE DIRECT COMMUNICATION WITH ALL AC&W UNITS.

4. ATTACHED CABLE RECORD WD AGO FORM 11-146 INDICATES NINE SPARE PAIR WILL BE AVAILABLE AFTER KNOWN FUTURE REQUIREMENTS ARE INSTALLED.

SECRET

25/2

56-1119

0607

C O P Y

SECRET

C O P Y

Hq 32d AIR DIV (DEF) OCE SUBJECT: ALTERNATE OPERATING LOCATION
(UNCL)

5. THIS CORRESPONDENCE IS CLASSIFIED SECRET IN ACCORD-
ANCE WITH PARAGRAPH 30b(2)(A), AFR 205-1.

FOR THE COMMANDER:

1 INCL:
WD AGO FORM 11-146
764TH ACWRON (UNCL)

/s/ EVERITT W. HOWE
/t/ EVERITT W. HOWE
MAJOR, USAF
ADJUTANT

SECRET

2

56-1119

0608

COPY

COPY

26/1635 UNCLASSIFIED

HQ 32D AD(D) SYR AFS SYR NY

ROUTINE

COMDR 26TH AIR DIV? ROSLYN AFS, NY

26 ADOOT 2381 UNCLASSIFIED

/UNCLASSIFIED/ACFOOT-A 03126 PD REF URMSG 26AD00T 2381 PD
TRANSFER OF FILES OF SITES PERTAINING TO UR AIR DIV INCLUDING
TEXAS TOWER NR 2 IS BEING FWDD THIS DATE BY THE DEPUTY MATERIEL
THIS DIV PD

UNCLASSIFIED 1 1

WM. M. SHELTON, LTCOL, USAF

W. W. INGENHUTT, COL, USAF

26/1940Z MAR 56 D/OOT 111

ODO/142

25/3

0609

COPY COPY

HQ 32D AD(D) SYRACUSE AFS SYRACUSE NY 202015 UNCLASSIFIED
ROUTINE MAIL
CMDR EADF STEWART AFB NEWBURGH NY X

CMDR 26TH AD ROSYLN AFS ROSYLN NY (MAIL) X

/UNCLASSIFIED// ACFOGE 03103. IT HAS BEEN
BROUGHT TO THE ATTN OF THIS HQS THAT THE 1ST COGARD
DIST HAS NO DIR COMM WITH 26TH AD. ON RESCUE MATTERS
BOSTON ARS HAS TO BE PATCHED THRU THIS DIV TO THE
26TH AD. IT WAS ALSO BROUGHT TO OUR ATTN THAT THE
1ST COGARD HAS NO MADW CIRCUIT WITH THE 26TH AD.
IT IS REGD THAT ACTION BE TAKEN TO CORRECT THIS SIT.

LESLIE C. HEARTZ, COL, USAF
ACFOGE 1913Z/19 MAR 56 070

UNCLASSIFIED 1 1
WILLIAM W. INGENHUTT, COL, USAF
DEPUTY OF OPERATIONS

15/7

0610

SECRET

**HEADQUARTERS
32d AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK**



1 APRIL 56

**OPERATION PLAN
NO 503-56**

SECRET

COPY No. *46*

56-957

26

0611

DISTRIBUTION LIST

	<u>Number Of Copies</u>
Eastern Air Defense Force	3
30th Air Division (Def)	2
26th Air Division (Def)	2
4673d Ground Observer Squadron	3
4602d Air Intel Service Sq	3
23d Fighter Group	15
14th Fighter Group	15
OOT	1
OOD	1
MDM	1
PDP	1
OCE	1
IHS	5
ADJ	1
OPR	1 (for file)
Total	69 copies

32D JADD
Oulan 502-56
1 Apr 56
ORIGINAL

0612

SECRET

OPERATIONS PLAN
SERIAL NO. 503-56

HQ 32D JOINT AIR DEFENSE DIVISION
Syracuse Air Force Station
Syracuse 6, New York
1 April 1956

CHARTS AND MAPS: Omitted

TASK ORGANIZATIONS:

14th Fighter Group (AD)
23d Fighter Group (AD)
4673d Ground Observer Squadron
4602d Air Intelligence Service Squadron (FI 3-D)

1. General Situation: The possibility continues to exist that the United States may be involved in a war within its continental limits. This possibility could very well be the result of a surprise attack so great that central control of air defense could not be maintained. In this event small elements of the command will necessarily have to operate as independent fighting forces, defending those strategic targets within the boundaries of their areas of responsibility as delineated herein.

2. Mission: Commanders of the 14th and 23d Fighter Groups (AD) are designated area commanders of the western and eastern areas respectively. Each commander is charged with establishing an adequate system for the decentralization of the air defense forces within the 32d Air Division. This possibility may occur at any time due to extreme deterioration of command communications. This plan provides for such a contingency.

1

32D JADD
Oplan 503-56
1 Apr 56
ORIGINAL

56-857

SECRET

0614

SECRET

3. Task:

a. Commanders 14th and 23d Fighter Groups (MI) will:

- (1) Assume command of all air defense units within his appropriate portion of the 32d JADE area under the following conditions.
 - (a) The situation has deteriorated to a point where mutual cooperation and command can no longer be continued between this headquarters and its subordinate units.
 - (b) When ordered by the Commander 32d JADE or Commander 32d Alternate Operating Location when activated.
- (2) Provide backup air defense of targets located in his area.
- (3) Exercise command over all air defense elements which are available for air defense and are located within his area.
- (4) Establish command post of the western area in the Direction Center of the 24th AFSS and of the eastern area in Direction Center of 707th AFSB.
- (5) Coordinate field intelligence with Commander, 460th Air Intelligence Service Squadron, Flight 3-3.
- (6) Coordinate Ground Observer intelligence with the Commander, 467th Ground Observer Squadron.
- (7) Coordinate Fighter Interceptor operations for

SECRET

1 Apr 54
ORIGINAL

0615

SECRET

- (a) Maintain the maximum number of aircraft and crews in conditions of alert consistent with requirement.
 - (b) Disperse aircraft within the limitations of good operational capability.
 - (c) Maintain communications with the appropriate AC&W installations by existing circuitry; if not possible, the use of commercial facilities or courier will be established.
 - (d) Continue the conduct of the aerial battle under current rules of engagement.
 - (e) Be prepared to deploy all or any part of its strength to any useable airfield within the area.
- (8) Prepare emergency scramble and recovery procedures for all useable airfields within his area of responsibility.
- (9) Require Aircraft Control and Warning Squadrons to:
- (a) Continue to operate radar and communication equipment on a 24-hour basis.
 - (b) Forward-tell all radar intelligence to the area CP using best available communications.
 - (c) Conduct air defense of targets designated by the area commander.
 - (d) Conduct base defense of their respective installations.

32D JADD
Oplan 503-56
1 Apr 56
ORIGINAL

SECRET 56-857

0616

SECRET

- (10) Coordinate with the appropriate deputies of this headquarters to obtain those documents vital to the accomplishment of the task assigned in this plan.
- (11) Prepare supporting plans to this document and forward same to this headquarters not later than 1 Jun 56.
- b. Commander 4673d Ground Observer Squadron will:
 - (1) Coordinate with the Commander 14th and 23d Fighter Groups to establish a method of passing needed Ground Observer Squadron information.
 - (2) Furnish Ground Observer Squadron information as required by the Commander 14th and 23d Fighter Groups.
- c. Commander 4602d Air Intelligence Service Squadron provides supplemental intelligence information pertaining to ground and air activity.
- x. General:
 - (1) In the event any ACWRON loses communication with both the main and area defense network, the Commander of that squadron will assume operational control of the fighter interceptor squadron assigned for control purposes and continue the air defense of the area within radar operating limits.
 - (2) A line extending from 45° 23' N 70° 35' W to 44° 40' N 70° 00' W to 43° 31' N 71° 30' W is designated as the boundary between the eastern and western areas of responsibility.

32D JADD
Oplan 503-56
1 Apr 56
ORIGINAL

4
SECRET

56-857

0617

SECRET

4. ADMINISTRATIVE AND LOGISTICS:

Normal channel and procedures will be followed.

5. COMMAND AND SIGNAL MATTERS:

a. Signal

- (1) The Zone Commander will maintain control of units under his command by use of tactical wire circuitry (both voice and teletype), HF radio and Mars facilities.
- (2) Engineered voice circuits required to support the mission may be called in by the Zone Commander or if possible, Commander 32d Air Division (Defense).
- (3) Support of wire communications facilities will be accomplished by the local telephone company and the American Telephone and Telegraph Company Long Line servicing the area concerned.
- (4) Site commanders will coordinate with respective local telephone companies and the American Telephone and Telegraph Company to insure restoration of any line failure.

b. Command

- (1) This is an emergency plan to be implemented upon direction of the Commander, 32d Air Division (Defense) or by each Zone Commander when communications from the primary and alternate ADCC have been disrupted to the extent that control of air defense units can no

5
SECRET

32D JADD
OpPlan 503-56
1 Apr 54
ORIGINAL

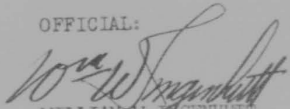
0618

SECRET

longer be affected. Upon re-establishment of communications, control will revert to the Commander, 32d Air Division or his representative.

ISRAEL

OFFICIAL:


WILLIAM W. EGENHUTT
Colonel, USAF
Deputy for Operations

32D JADD
Oplan 503-56
1 Apr 56
ORIGINAL

SECRET

56-857

0619

SECRET

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
Syracuse Air Force Station
Syracuse 6, New York

OPR

SUBJECT: Change #1 to Jt/32d AD(D) Joint/Eastern Air Defense Force
Alternate Command Post Support Plan 3-55

TO: Holders of Subject Plan

1. Request the following changes be made to subject plan:

Item #1 Basic Plan -paragraph 3.b.(3)(e) change to read:
"Commanders Jt/26th, Jt/30th, Jt/35th, Jt/37th,
Jt/58th and Jt/59th AD(D)."

Item #2 Basic Plan -paragraph 5.a.(1) change to read:
"In the event of Command Post communications
failure or overextension of operational capabi-
lities at the Alternate Command Post, Jt/32 AD(D)
Oplan 3-55 Sector Defense, will be implemented."

Item #3 Distribution -change to read: "EO-36, 36" Add
Jt/35th ADIV. 33, 34.

Item #4 Annex Bravo -Part I, paragraph 3.b. delete.

Item #5 Annex Bravo -Part I, paragraph 5, change the
second sentence to read: "This annex can be
feasible only so long as communications are
maintained to the several divisions. In the
event communications to Hq Jt/32d AD(D) fail, Air
Defense Operations will necessarily revert to
Sector Defense."

Item #6 Annex Bravo, Tab I -remove and destroy Tab I,
dated 1 Jan 56, insert new Tab I, dated 16 Jan 56.

Item #7 Annex Bravo, Tab II -remove and destroy Tab II,
dated 1 Jan 56, insert new Tab II, dated 16 Jan 56.

29

SECRET
0620

SECRET

Hq 32d AD(D) OPR Subj: Change #1 to Jt/32d AD(D) Joint/Eastern Air
Defense Force Alternate Command Post Support Plan 5-55 (Cont'D)

Item #8 Annex Bravo, Tab III - remove and destroy Tab III,
dated 1 Jan 56, insert new Tab III, dated 15 Jan 56.

2. This headquarters will not require a certificate of destruction
for superseded pages.
3. Comments and criticisms designed to improve this plan are
solicited.

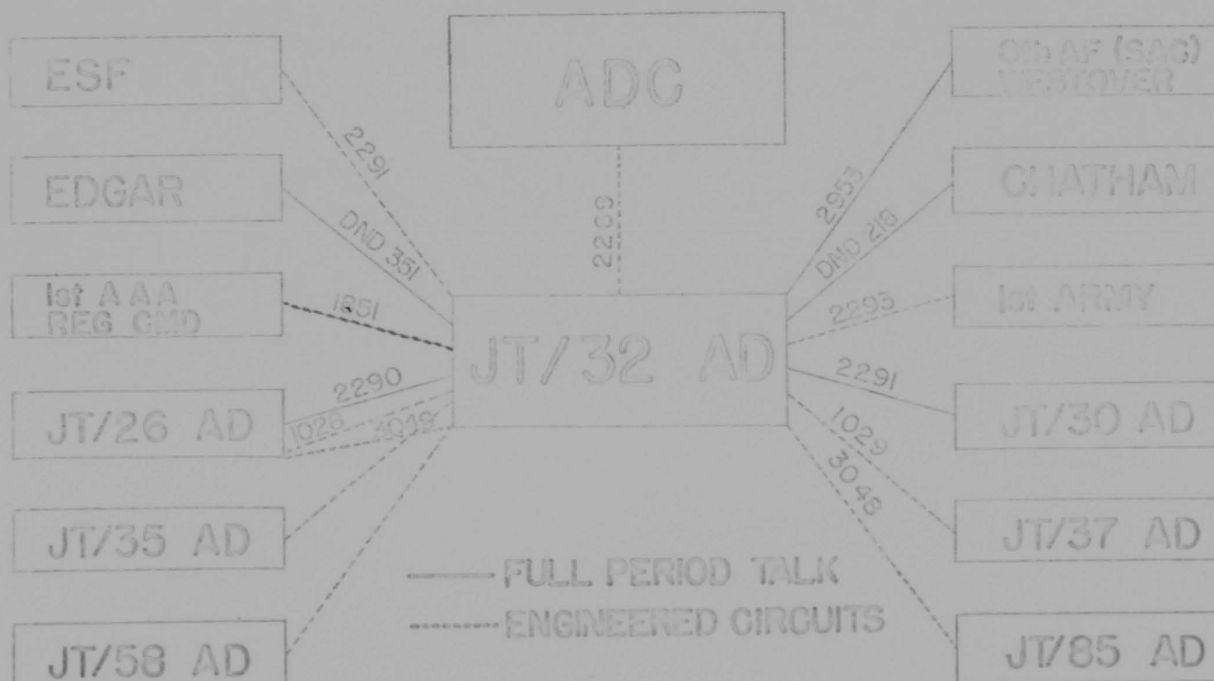
BY ORDER OF THE COMMANDER:

Everett W. Howe
EVERETT W. HOWE
Major, USAF
Adjutant

SECRET
0621

SECRET

J/EADF ALCOP WIRE CIRCUITS



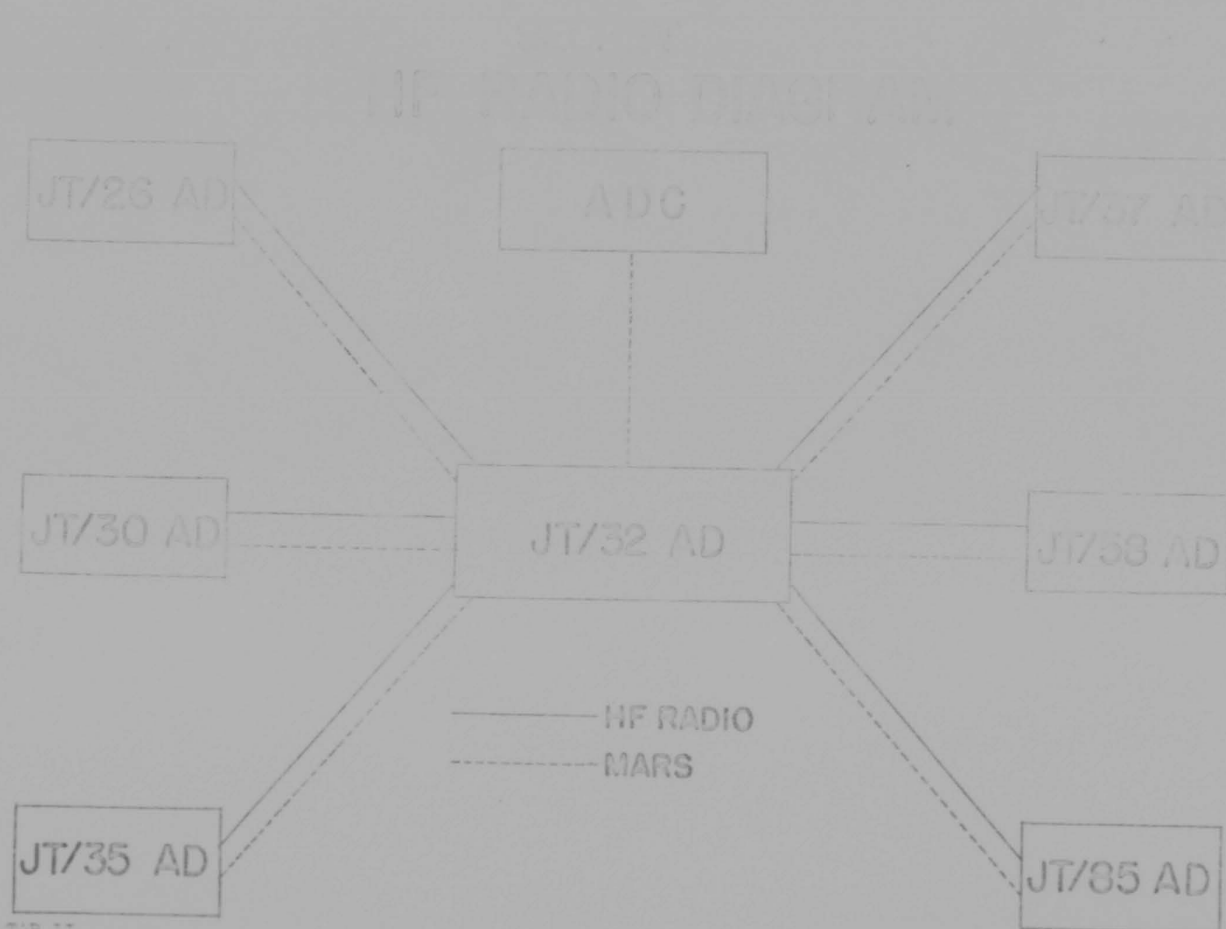
TAB I
 Annex B
 Jt/32 AD
 ALCOP 5-55
 16 Jan 56

SECRET

B-I-I

55-4391

0622

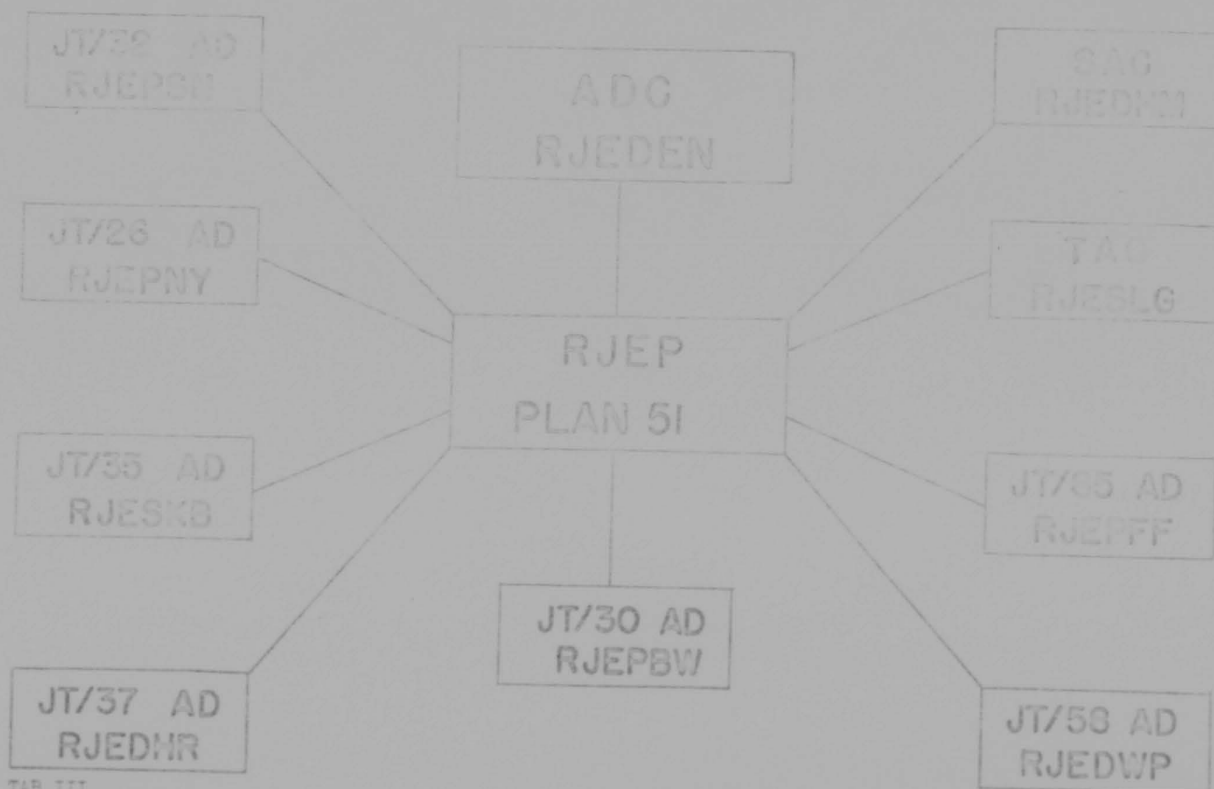


TAB 11
Annex B
Jt/32 AD
ALOP-15
16 Jan 56

SECRET

0623

SECRET
TTY FACILITIES



TAB III
Annex B
Jt/32 AD
ALCOP 5-55
16 Jan 56

SECRET

0624

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
Syracuse Air Force Station
Syracuse 6, New York

MINUTES OF THE STAFF MEETING - 27 February 1956

At the staff meeting called at 0830 on 27 February 1956, briefings were presented as follows:

Commander

General Israel: Colonel Inghutt, you are going to Yuma tomorrow?

Colonel Inghutt: Yes, Sir.

General Israel: Colonel O'Neill and Colonel Chido have left for Washington this morning to hassel out the real estate problem. Think we are making progress on it. At least we can acquire 55 acres now. On the housing, I don't know what the time lag is going to be, but we have the all-clear from the City of Syracuse and the FHA. What would cause the delay for construction this summer?

Major Stolz: It would be all administrative to my mind, if we once get the land.

General Israel: We are authorized enough land. I asked Colonel O'Neill to determine while in Washington what we would have to do if the City of Syracuse donated so many acres to us.

Now, as we approach this SAGES proposition, I realize we don't have a directive as yet, but we are going to be responsible for activation, manning, organizing, supplying and all that, of a division headquarters (SAGES) and a wing headquarters. There will be project officers appointed on each one of these items. I want all of you, right now, to start writing down for each one of these outfits. I want a list of all action being taken - how, where and when - during this process. It should be a detailed check list of all actions, timetables, etc., and laying the finger on the person responsible. Project officers will be responsible for contacting people who are supposed to take action, at least once a month, and give me a report on the progress being made on programmed plans. This is the only way we can be sure we don't miss details. There will be, for example, a budgetary planning section, M&O program, and everything else. These actions are so many, unless you write them down, you are going to miss something and that something will probably be in the financial field. For instance, failure to program for something that should have been programmed for; payroll of civilians might have been overlooked, diesel fuel, etc. These are just ideas. McGuire, for example, did overlook fuel for diesels.

35

0625

Hq, 32d Air Div (Def) Minutes of the Staff Meeting, 27 February 1956
(Cont'd)

Having been told we are going to be responsible for activation of these units, that is what we have to do. This is not something new. This is something that SAC habitually does.

Deputy for Operations

Colonel Ingenhutt: Would like to send a wire to Eastern, or have the Comptroller do it. My budget cannot afford this trip to Miami.

General Israel: Okay.

Speaking of messages, plan on sending a TWX to each one of the units we are losing, with the new reorganization, giving them a "pat on the back". We will send it out of the front office.

Major Moberly, I find the front office down at Eastern did not know anything about the conference down in Miami; and we don't have the money to do it, so the trip will probably be called off.

Major Moberly: Aren't these conferences supposed to be handled by the Conference Committee at ADC?

General Israel: The wire states that money will come out of our funds and we don't have it.

Comptroller

Captain Foster: Received an informational TWX from EADF on the subject of Emergency Repairs, Access Roads to AC&W sites, which is quoted as follows: "Each individual requisition for emergency repair of access roads will be submitted through channels to the Department of the Air Force. M&O project 458 funds may be used for snow removal only on access roads to AC&W sites when major benefit accrues to the Air Force and political sub-division is unable to perform the work."

General Israel: That means we cannot use funds to repair them.

Captain Foster: No, Sir. Only for snow removal when of major benefit to the Air Force.

On the loss of 458 money. By not obligating certain projects we will be able to absorb it by not hurting 458 money. Eastern indicated that the \$15,300 was pulled from civilian payroll inasmuch as Griffiss did not receive one month's payroll record from Stewart and, therefore, were not able to post their books.

Hq, 32d Air Div (Def) Minutes of the Staff Meeting, 27 February 1956
(Cont'd)

General Israel: What are we going to do to prevent the people down there from making such assumptions? Will you write a letter to General Harbold, explaining what has happened. They are causing themselves extra work, as well as a lot of embarrassment and work for us.

Captain Foster: We received informal notification of the budget procedure that Eastern is calling for. We cannot enforce this on Griffiss and Dow, but our units will have to give a complete breakdown for two years back as well as the future year, in minute detail, particularly in justifications. The budget officer will have to present the budget personally at Eastern.

Commander, Hq Sq Section

Major Verbeck: Reference the movie, "It All Counts", we do not have it at present but as soon as we get it, will have a private showing for General Israel and it will then be shown to the NCO's.

EWA

C O P Y

C O P Y

ODO

12 APR 1956

SUBJECT: SAGE PROJECT

TO: COLONEL BRIAN O'NEILL
 VICE COMMANDER
 32D AIR DIVISION (DEFENSE)
 SYRACUSE AIR FORCE STATION
 SYRACUSE 6, NEW YORK

1. HEADQUARTERS ADC HAS INDICATED THAT PROGRAMMING AND DEVELOPMENT OF SAGE DIVISIONS AND WINGS WILL REST WITH THE AIR DIVISIONS (DEFENSE). AS AN ACTION AGENCY, THIS HEADQUARTERS WILL BE CONCERNED WITH WINGS AT SYRACUSE AND TOPSHAM AND THE DIVISION AT SYRACUSE. THEREFORE, IT WILL BE NECESSARY FOR EACH STAFF AGENCY TO PREPARE A PROGRAMMED PLAN OF ACTION WHICH WILL RESULT IN THE ORDERLY INTEGRATION OF SAGE INTO THE AIR DEFENSE SYSTEM, RATHER THAN "CRASH" PROGRAM ACTION AT THE LAST MOMENT.

2. WITH OPERATIONAL DATES OF JULY AND SEPTEMBER 1957, THE PROGRESSION OF PROGRAMMED PLANNING IS IN ARREARS AT THE OUTSET. I HAVE, THEREFORE, APPOINTED COLONEL BRIAN O'NEILL AS PROJECT OFFICER FOR THE DIVISION DEVELOPMENT AND COLONEL WILLIAM INGENHUTT AS PROJECT OFFICER FOR THE WING DEVELOPMENT. I HAVE FURTHER SELECTED THE FOLLOWING OFFICERS TO DEVELOP A PROGRAMMED PLAN IN THE AREAS DESIGNATED:

<u>PROJECT OFFICER</u>	<u>SECTION</u>	<u>AREA OF INTEREST</u>
COL LESLIE C. HEARTZ	OCE	COMMUNICATIONS PLANNING ELECTRONICS PLANNING
LT COL FRANK FENN	PDP	PERSONNEL ACTIONS AND INDIVIDUAL TRAINING
LT COL CARL E. CHIDO 1ST LT RICHARD BIDWELL	MDM	LOGISTICAL PLANNING INSTALLATION PLANNING
LT COL WILLIAM SHELTON	OOT	OPERATIONAL PLANNING TRAINING PROGRAM PLANNING
MAJOR PETER VERBECK	ACJ-BCO	BASE ACTIVITY PLANNING

36

0628

C O P Y

C O P Y

Hq 32d AD(D), ODO SUBJECT: SAGE PROJECT

<u>PROJECT OFFICER</u>	<u>SECTION</u>	<u>AREA OF INTEREST</u>
MAJOR VERNON K. YEHLE	OPR	PLANS AND PROGRAM CONSOLIDATION MANPOWER PLANNING ORGANIZATIONAL DEVELOPMENT
CAPTAIN GUY FOSTER	FFC	BUDGET PLANNING

3. THIS PROJECT IS OF SUFFICIENT IMPORTANCE TO JUSTIFY PROGRESS REPORTS. EACH PROJECT OFFICER WILL SUBMIT, IN WRITTEN FORM, AN INITIAL REPORT OF THE ACTION TO BE ACCOMPLISHED WITHIN HIS AREA OF INTEREST. THIS REPORT WILL BE SUBMITTED TO THE OFFICE OF PLANS AND REQUIREMENTS NOT LATER THAN 27 APRIL 1956. EACH MONTH THEREAFTER AND CONTINUING UNTIL FURTHER NOTICE, A PROGRESS REPORT WILL BE SUBMITTED TO THE OFFICE OF PLANS AND REQUIREMENTS AS OF THE 25TH OF THE MONTH. THESE REPORTS ARE DUE ON THE SECOND WORKING DAY FOLLOWING THE AS OF DATE. THE CONSOLIDATED REPORT WILL BE PRESENTED TO ME, OR THE PRINCIPLEE PROJECT OFFICER CONCERNED, ON THE FIRST WORKING DAY OF EACH MONTH.

4. LET ME STRESS THAT THE SUCCESSFUL COMPLETION OF THIS PROJECT WILL BE A VALUABLE TOOL IN MAKING THE SAGE INTEGRATION ANOTHER JOB WELL DONE BY THE 32D AIR DIVISION (DEFENSE).

/s/ ROBERT S. ISRAEL, JR.
/t/ ROBERT S. ISRAEL, JR.
BRIGADIER GENERAL, USAF
COMMANDER

OFFICE INFO:

COY OF THIS LTR SENT TO CVC, ODO, MDM, PDP, FFC, ACJ-800.

2

0629

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
Syracuse Air Force Station
Syracuse 6, New York

MINUTES OF THE STAFF MEETING - 23 February 1956

At the staff meeting called at 0830 on 23 February 1956, briefings were presented as follows:

Comptroller

Captain Foster: The Reports Control Manuals were mailed out to the units on Tuesday, 21 February 1956, and we are getting them out to the staff sections today.

Commander

General Israel: First, would like to pass on to the staff what was given to us at the Commander's Conference on the twenty-first of February, other than the CPX. They are not involving their staff at all in the CPX. This is more of a joint aspect. Bringing in all three branches. We will have a meeting on that later, Colonel Ingenhutt.

Would like to pass on General Harbold's remarks and he, in turn, was passing on General Fartridge's. Think it is very important that we get tenure of their thinking. We have had a change of positions in ADC and EADF. On the surface, it may not appear a great deal but I assure you there is quite a change - perhaps in firming up objectives. Would like to point out one thing. Management and command are not similar. Management is essential to command, but command is command itself and not management. There is a lot of difference in that. We talk about managing things rather than commanding them.

He emphasized mission - the completed interception. Getting off the ground, getting up in the air, proper attack and destruction of oncoming aircraft. Take a completely professional approach to this mission. To me, this means everything is done in complete seriousness. No kidding, or horseplay, just getting the job done. Getting the job done takes precedence over everything else. In other words, let us take a look at everything and see if we are doing things that don't have to be done.

37//

0630

Hq 32d Air Div (Def) Minutes of the Staff Meeting, 23 February 1956
(Cont'd)

On the matter of communications. I don't mean wire or radio - but getting all instructions up and down the line and compliance with those instructions as they have been issued and with the intent. As you know, we have had trouble with subordinate commanders testing intent of directives to their own interpretation and perhaps to suit their own purposes. We have to look back and see what the commander wants and carry out directives accordingly.

Another thing is signs and symbols of command functions - IG reports, saluting, personal appearance, appearance of grounds, barracks, etc.

In command functions, he emphasized staying in channels. Also, emphasized the ability of command to delegate authority and work through people. One of the things that has apparently been lacking is recognition of the job well done and recognition of the person being rewarded. I think we have been very good throughout the 32d on that. But we must reward or criticize our leaders or commanders down the line for good and better accomplishments, and one of the items included was getting promotions of 2d Lieutenants through on time. Don't know, Colonel Fenn, if we have been guilty of that. Get on all subordinate commanders regarding this.

It Colonel Fenn: That may be due to lack of communication.

General Israel: Another thing General Harbold emphasized is the family program. He does not like the term "Dependent's Assistance". He wants the program to be more of a family program from the standpoint of making dependents feel like part of the Air Force rather than dependent on the Air Force. Insofar as this location is concerned, it is up to the staff here, and Major Verbeck, to really make these people feel they are welcome as they come in. While on leave, there were about ten officers that I have not as yet met. I would like those officers brought into my office as soon as possible - officers and warrant officers. It may be good to start bringing in Master Sergeants as well. We will see how that works out.

Another thing was - he suggested when we get word of the assignment of an officer, let's write him a letter welcoming him into the organization, for my signature. Major Verbeck, you will do the same on all NCO's.

Major Verbeck: I personally interview all airmen coming into the base.

General Israel: If you have knowledge of their assignment beforehand, write them, stating we are looking forward to having them in the organization, etc. This has a lot to do with retention of people. Again, with

Hq, 32d Air Div (Def) Minutes of the Staff Meeting, 23 February 1956
(Cont'd)

retention of people, suggest that we examine local causes of irritation. Some of our units, like Presque Isle, Negroes have no local recreation in the civilian communities because there are no Negro communities in the locality. What are we going to do to overcome these irritations? We ought to do more thinking along those lines.

Another item brought up is what we once called "spit and polish". General Partridge passed it down the line. He is insistent on correct saluting and saluting on all occasions. Think one of our bases got in trouble when a general officer was driving around and a number of men did not salute the private vehicle. According to Air Force regulation, don't believe that is required. Believe, under the circumstances, from here on, if subordinates can recognize the driver of the car and knows it is a senior to him, he should salute. The question comes up frequently - When should he salute? Salute as far away as you can recognize the person - within six paces of the nearest point of approach.

We will have formal inspections. I am planning, when I visit various bases, to have them turn out for formal inspection, with a band and all. Maybe we can make some arrangements here for a band, or get music over the loud speaker.

Spoke of AC&W units. General Harbold wants the commander of a unit to be the commander and not a C&E officer or something else. He is to be commander of that unit only.

He also spoke of flying safety. Again, it was not only "A Job Well Done is Inherently Safe" but "Fly Out and Fly Right". When a pilot gets sloppy in his flying, get on him. The same thing goes on right down the line. It is just a shade of difference between management and command. Command includes management but command is not entirely management. Let's get these boys on the ball maintenance-wise, etc. On command analysis reports, by and large ours have been pretty good. They are not to be used as vehicles of disciplinary action. Actually, you should leave the names off. The same applies to Flying Evaluation Boards. After the meeting General Harbold talked to me on the Flying Evaluation Board. The point is that we should have what amounts to a preliminary investigation to determine whether or not it is a matter of discipline or a flying violation before we have a Flying Evaluation Board. Flying Evaluation Boards are, under no circumstances, to be used as disciplinary action, but just to determine whether the man is capable of remaining on flying status. Colonel Ingenhutt, think we have been pretty good on that.

Colonel Ingenhutt: Have not had any returned to us since Lt Bienfang, to my knowledge.

Hq 32d Air Div (Def) Minutes of the Staff Meeting, 23 February 1956
(Cont'd)

General Israel: Would like to have the two group commanders, the 14th and 23d, in here the first part of next week. Don't feel we want to deal directly with any squadron. I could not get any direct answer from anybody at Eastern as to whether we would have squadrons reporting directly to us or to groups. Therefore, all squadrons will be assigned to groups.

General Harbold spoke a little about Cracker Jack. Think we all know of the two points that came up. It was too large of an exercise to analyze properly. With regard to identification, everyone knew what was going on except ADC. Many times scrambles were called and failed to get off because of lack of identification.

Another thing has to do with the beneficial occupancy date of new installations. We are required by Air Force regulations to accept beneficial occupancy when these installations have been completed by the contractor and turned over for our use. But, in effect, and, as a matter of policy, that turning over is not going to be considered beneficial occupancy for commencing of operations. We will not attempt to operate when facilities are not conducive to operations. We will wait until we are in a condition to operate. Think a pretty good example on that is Hanscom Field. We have got to put people in these installations, but are not going to move in until we have facilities, heat, water, etc. The same applies to M-sites, etc.

Emphasis is going to be placed on the athletic program. He spoke of volley ball and badminton in hangars. Have seen it done in the past where a squadron is up flying, they get up a volley ball net and have a half-hour or so of volley ball. Think we had better work on an athletic program and see that our boys and subordinates do likewise.

Housing. He spoke of housing at AC&W sites. They are built for military personnel and no civilians, such as tech reps, etc., are to be put in them. They are to be occupied by officers and airmen. The same applies here. Would say with the construction at Otis, same would apply there. Those are houses procured for military personnel only.

Then, General Agan took over the meeting and again it was utilization of aircraft and, generally, the T-33. The T-33 has been averaging 20 hours a month, should be 60 to 80 a month; and they do not want them used for cross-country flights. The T-33 is to be used for instrument training, towing and checkouts. As far as we are concerned, training and administrative purposes. Also, we can use them for checkouts. They want every pilot in ADC to be jet qualified. Not much progress on the C-119s. They have some maintenance but no pilots.

Hq, 32d Air Div (Def) Minutes of the Staff Meeting, 23 February 1956
(Cont'd)

On Units and Systems capabilities. On the Yuma reports, the only embarrassing one we had was the 47th FIS. The rest have been real good. Emphasis was placed on home rocketry. Not worry about corrective action on these but get out and use them. Do we have some arrangement between the 27th and the 47th on the Oswego range?

Colonel Ingenhutt: That has been worked out between the units. The only trouble there is, is between the 47th and this site relative to the 30th division.

General Israel: Also, on ranges, we were by-passed by the 47th when they had gone forward to higher headquarters. General Harbold wants all arrangements on these things done at Eastern and division level.

They mentioned a new gimmick by Hughes or Philco. Talked about a little 5" black box with circuits. When rockets fire, this thing starts timing and at range you fire, it takes in the time element for the rocket to hit the target and takes a picture. New Castle has this. Let's get information on it and see if we can get them made. It is called a Firing Error Indicator. In connection with rocketry, it will not be long before we are back in competition. Where are we going to have the division contest this year, Colonel Ingenhutt?

Colonel Ingenhutt: I can't say, General. Will be either Oswego or off of Bangor.

General Israel: Another thing to check on is - we have a number of pilots here and there getting flying off other bases. They are having a hard time getting it. Let's tabulate, if they are not making out, let's write letters stating how they are not being properly treated and then forward these letters, with return indorsements, on.

Personnel manning requirements. Would like to say on that, that Major Cook did not have anything to do with the final analysis. Don't know what the purpose of the manpower meeting was. It was brought about by request of the Vice Commander and all deputies, and little attention was paid to the manpower section. Here is what we get: An additional five officers, twenty-six airmen and one civilian for this headquarters. That includes one officer, one airman and one civilian for Air Installations. I said I did not think it was enough but I backed off a little bit and asked them to speed up utilization and activities of the air base squadron here, which would then become responsible for operations here, except for SAGES.

0634

Hq 32d Air Div (Def) Minutes of the Staff Meeting, 23 February 1956
(Cont'd)

One more point in operations is, flight following of ADC aircraft. We are to be sure all of our pilots have complete familiarity with UHF-DF system. Also, they said they wanted us to use Channel 6 more often. However, the February facilities chart comes out with a notice on page 208 that pilots will not use Channel 6 until told to do so by CAA.

Colonel Ingenhutt: CAA was complaining because we were not using it.

General Israel: You get to work on that. Let's find out what it is.

In Materiel. The same thing we had last year. Comptroller is in on this, too. We must obligate all 341 and 459 money before 1 May by at least 80%.

Right now, let's stop reprogramming for '57 funds. If there is something additionally we may want, reprogram same in next year's M&O program.

Also, take a look at all joint tenancy and support agreements: Griffiss, Dow, Grenier and Westover. May want to renegotiate with Portsmouth. Let's take a look on all joint terms to consider changes, etc., and what is necessary. When any changes come up, keep everybody informed on them.

Phase IV of "New Broom" should be under way.

Lt Colonel Chido: New Broom has slowed down due to lack of funds. This consists of getting rid of surplus equipment in supply warehouses. There are no funds to move the surplus out.

Colonel O'Neill: Phase IV is the last phase of it. That has stopped completely because of lack of funds.

General Israel: On budget and programming, it is a matter of SAGES at this installation. Here is what we have to be thinking about in our budget. Everything that is going to be required facilities-wise and maintenance-wise. Such things as parking areas, maintenance of air conditioning system, etc. Think the first year the air conditioning will be under maintenance by Carrier. Program for these things coming up in SAGES installations-wise for the 4623d Wing and for the division that will be here. Before I get into that. One other point was, that C&E maintenance will be under the Materiel shop. That is word of ADC.

Hq 32d Air Div (Def) Minutes of the Staff Meeting, 23 February 1956
(Cont'd)

On funds. Colonel Warren mentioned that Presque Isle was being taken care of. Apparently they ran short of funds. The 478 money is critical. I asked him about the running around that GOC is doing. They were somewhat astounded and were going to check into it.

The 1957 budget requirements are due in soon. Do you know anything about that, Captain Foster?

Captain Foster: We received advance notice that Eastern will be calling for the '57 operating budget on the sixteenth of March. We have not received any word other than that we will probably be given a crash program by Griffiss within the next few days.

General Israel: As I said at a previous meeting, ADC has loosened the reins to let defense forces and division do a little planning, but they can't change any organization or numbers for fear that in the process of doing so, they will get too many fingers in the pie, which would tie things up. We will take numbers as they have been written out, but in carrying things out, they are using methods and means of conducting business so that people will be upset as little as they possibly can.

The 4621st is the first one going into McGuire. The plan on these wings is to start them off with a minimum number of people necessary to get organized, equipped, facilities in shape - so that when the operational people come in they will find things ready for them to work with. The initial build-up is going to be very slow. At the present time, there is a four and a half month lag on the first installation; but that lag will be caught up with as times goes on. What will happen, manning of the first three wings in the division will probably be almost simultaneous. This is caused by lag of construction of equipment by IBM. At McGuire they have already started putting people in for the 4621st. They may at any time redesignate the 4709th as the 4621st. The commander of the 4709th Wing has dual responsibilities at the present time of two wings, his own and SAGES. The clear cut thing would be to redesignate the wing as the 4621st, inasmuch as the people that are in the 4709th will be in the 4621st. It is going to be one and the same. The number will just be changed. Going up to Newburgh, there will be no wing there. They will detach the 4623d to the group there and it will be a critical build-up; and whoever is the senior officer will be in charge. Still the group commander at Stewart has got the responsibilities of SAGES and all programs that go with it. On that, the detachment of the 26th that comes in here will be assigned to the 32d and we will have full responsibilities for it. If we get an air base squadron here, I am going to designate responsibilities of requesting, etc., to that air base squadron; likewise, the 4623d Wing will be activated here and the detachment will be assigned to the 32d. Have not talked these things in detail, but we will have

Hq, 32d Air Div (Def) Minutes of the Staff Meeting, 23 February 1956
(Cont'd)

responsibilities of developing all aspects of SAGES here. As this thing goes on, it is not going to be a mass transfer of the 26th, but a new division and a new wing will be built up; and when it is ready to go operational in number, will be transferred here. In other words, only one programmed administrative headquarters here. About that time, the 4625th will have been activated to Topsham.

In looking at manpower in here, Colonel Ingenhutt, in this center, the first of March we drop off Lockport, Saratoga, North Truro and Rye. I am thinking about teller lines; we are not going to need as many people to run the center. With those spaces, we may be able to change AFSC's so that they may be used in the IM shop. We can go in with a UMD change.

Questions raised were as follows:

Who is responsible for Topsham? The 32d will be. We may delegate certain responsibilities to the group at Presque Isle being closer to support.

When will officer personnel be coming in on SAGES? Supposed to be in by 1 July.

General Israel: You will see that we are going to have a terrific load here the first of July on SAGES and we are going to have to straighten out our lines of command. We are going to assign all squadrons to groups. This will not involve anymore than giving group commanders efficiency reports and promotions of subordinate commanders. What we had better do is, start directing; and we will probably have to write out something like the 23-1. I want General Orders put out assigning Watertown, units at Griffiss, St Albans, North Concord to the Burlington group. Caswell, Brunswick, Bucks Harbor, Charleston to Presque Isle. Let's not pile things on them all at once. Think the biggest hassel will be on personnel reporting.

Lt Colonel Fenn: Supply, materiel reports. They can be submitted to us, with information copies to groups.

Colonel Ingenhutt: We will date the General Order 1 March 1956.

ELW

COPY

COPY

SECRET 6/2200Z

HQ 32D AD(D) SYR AFS, SYR, NY

COMDR, EADJ, STEWART AFB, NEWBURGH, NY

ROUTINE X

X

/SECRET/ACFOPR 01036 PD A REV OF ALFA DELTA COCA PROG DOCU
 DTD OCT FIVE FIVE INDC THAT SYR IS THE ONLY SIERRA ALFA GOLF
 ECHO COMBINED UNIT THAT IS NOT LOCATED ON AN AIR FORCE BASE
 PD THE FLT SECTION AUTHORIZ IN THE PRESENT HQ SQ SECTION IS
 TOTALLY INADEQUATE TO COPE WITH THE FLT OPERATIONS AND ACFT
 MAINT REQUIREMENTS GENR BY THE ASSIGNMENT TO SYR OF APRX THREE
 ZERO ZERO OFF IN CONJUNCTION WITH SIERRA ALFA GOLF ECHO PD IT
 IS IMPERATIVE THAT THIS HQ BE INFORMED WHETHER OR NOT THE
 PROPOSED AIR BASE SQ AUTHORIZ INCLUDE A BASE OPERATIONS AND
 ACFT MAINT CAPABILITY ADEQUATE TO SUP THE INDICATED WORKLOAD
 PD THIS INFO IS REQUIRED PRIOR TO CONVENTION OF THE HQ

SECRET

56-070

1 2

37/2

0638

COPY

COPY

SECRET

FUNCTIONS AND MANNING REV BD AT 320 AIR DIV PD

SECRET

2 2

V. K. YEHLE, MAJOR, USAF

WILLIAM W. INGENHUTT, COL., USAF

OPR 2030Z 6 JAN 56 092 000/142

56-070

0639

COPY

CONFIDENTIAL

COPY

HEADQUARTERS
EASTERN AIR DEFENSE FORCE
STEWART AIR FORCE BASE, NEWBURGH, N.Y.

EAMIS CP-1

27 Dec 1954

SUBJECT: PERSONNEL STRENGTH FOR PROJECT SAGE, SYRACUSE, NEW YORK

TO: COMMANDER
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE, NEW YORK

1. THE FOLLOWING MESSAGE FROM HEADQUARTERS ADC IS QUOTED FOR YOUR INFORMATION:

"(CONFIDENTIAL)ADHPG 3125. REFERENCE YOUR CONF MSG EAMIS CP-1 1697. PRESENT AIR DIV AT SYRACUSE WILL PHASE OUT WHEN THE SAGE SYS BECOMES OPERATIONAL IN IN THE FIRST SECTOR, I.E., FIVE DIRECTION CENS AND ONE COMBAT CEN. THE TRP STR FOR THE COMB DIRECTION CEN-COMBAT CEN NON-TENANT REFERENCED IN CONF ADC MSG ADHPG 2056 INCL TOTAL SAGE RQR FOR A LOC SUCH AS SYRACUSE. THIS WOULD INCL A SAGE SECTOR HQ, SAGE SUBSECTOR HQ, SAGE COMBAT CEN AND DIRECTION CEN AND REQUIRED SUPP PERS. THE TRP STRS QUOTED IN THE ABOVE ADC MSG WERE TENTATIVE AND SUBJ TO CHANGES PENDING PUB OF APPROVED MANNING DOCUS FOR SAGE SYS SECTORS AND SUBSECTORS."

2. TROOP STRENGTH FOR COMBINED DIRECTION CENTER-COMBAT CENTER NON-TENANT REFERRED TO IN CONFIDENTIAL ADC MESSAGE ADHPG 2056 IS AS FOLLOWS:

OFFICERS	-	177
AIRMEN	-	545
CIVILIANS	-	55

3. IN ADDITION TO THE CIVILIANS LISTED IN PARAGRAPH 2 ABOVE, APPROXIMATELY 26 CIVILIANS WILL BE REQUIRED FOR MAINTENANCE OF THE POWER PLANT AND COOLING EQUIPMENT, AND APPROXIMATELY 54 CIVILIANS WILL BE REQUIRED FOR MAINTENANCE OF AN/FSQ-7 EQUIPMENT.

37/3

3446--54

CONFIDENTIAL
0640

COPY

CONFIDENTIAL

COPY

Hq EADF, EAMIS CP-1, SUBJ: PERSONNEL STRENGTH FOR PROJECT SAGE,
SYRACUSE, NEW YORK

4. IT IS EMPHASIZED THAT THE ABOVE STRENGTH FIGURES ARE
TENTATIVE AND SUBJECT TO CHANGE. MANNING DOCUMENTS FOR EACH
SECTOR AND SUB--SECTOR ARE BEING DEVELOPED AND WILL BE TAILOR-
MADE FOR EACH UNIT.

5. THIS CORRESPONDENCE IS CLASSIFIED CONFIDENTIAL IN
ACCORDANCE WITH PARAGRAPH 25A, AFR 205-1.

BY ORDER OF THE COMMANDER:

INFO CY TO:
USAFIR, NAR

/s/ BEN D. MOORHEAD
/t/ BEN D. MOORHEAD
1ST LT, USAF
ASST ADJUTANT

2

CONFIDENTIAL

3446-54

0641

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
Syracuse Air Force Station
Syracuse 6, New York

MINUTES OF THE STAFF MEETING - 19 June 1956

At the staff meeting called at 0830 on 19 June 1956, briefings were presented by the deputies as follows:

Commander

General Israel: The main thing, this morning, was to go over with all of you the letter I received in the form of a directive, signed by General Harbold, on SAGES. It is quoted as follows:

1. References

- a. SAGE Reorganization Plan 101-56, dated 16 April 1956.
- b. Personal letter from Major General N. B. Harbold to Brig Gen Robert S. Israel, Jr., dated 14 May 1956.

2. Progress in SAGE reorganization planning now permits a clear delineation of your responsibilities with respect to the phased integration of the 26th Air Division (SAGE) into the air defense system. In addition to your currently assigned and programmed units, Detachment #1, 26th Air Division (SAGE), 4624th Air Defense Wing (SAGE) and the Syracuse Air Base Squadron will be attached to you and become your responsibility under the provisions of paragraph 3b, EADF Regulation 23-5, Mission of the 32d Air Division (Defense), dated 1 March 1956. The current organization date for both the division and wing is 1 October 1956. The organization date for the Air Base Squadron has not been determined, however, this headquarters is attempting to make this action effective during July 1956. Your responsibility to any other SAGE units will consist of cooperation and coordination toward the common goal of SAGE integration.

General Israel: A call from General McCauley indicated that the Air Base Squadron organization date will be 15 July 1956.

The only one now we won't have any responsibility toward is Topsham.

What is planned on this is, to place the commander, in accordance with General Partridge's desires, at the site while it is still under construction so that he can follow through on construction and community relations.

38

0642

Hq 323 Air Div (Def) Minutes of the Staff Meeting, 19 June 1956 (Cont'd)

For everyone's information, the last I heard from the contractors here, EOD will be about 15 September. We are discharging responsibility here of having the commander on the spot. Certain people have already assumed responsibilities for monitoring and progress of the installation here.

3. Limited experience with the first two SAGE wings indicates that problems to be expected fall into four general categories: Personnel, facilities, equipment and miscellaneous local problems related to the installation and testing of equipment by civilian agencies. Headquarters EADF will continue to be responsible for the overall supervision of the SAGE reorganization and will work with you toward resolution of any and all problems.

General Israel: We will keep them informed of what we anticipate; what we actually run into.

We have to get clarified as to status of Air Base Squadron because when that comes in, want to do away with the Headquarters Squadron Section as it is being operated now. Most things being accomplished by it will be done by the Air Base Squadron. With all the units coming in here, it will be necessary to form an administrative or personnel pool. I want personnel records for both airmen and officers pooled in one organization. Perhaps as the wing and new division become larger, they will break off into their own personnel organization. In the meantime, that will be handled on a personnel pool basis. Certain functions which have been performed by the Headquarters Squadron Section will be handled by the personnel pool. Certain functions will be performed by the Adjutant Section and Personnel Section. We will have to go back to pre World War II for a model on a central personnel section. Colonel Penn, you probably remember quite a bit of that. Let's look into it. In accordance with paragraph 4 of General Harbold's letter, we will have to submit a plan.

4. In view of the foregoing, you are requested to prepare and submit at the earliest practicable date a plan for the accomplishment of this assignment. Additional organization and personnel information will be furnished you in the near future in the form of annexes to the SAGE Reorganization Plan 101-56."

3a. Personnel will be scheduled for training as appropriate and phased into the three new Syracuse units by this headquarters. They will then be attached to you for administrative and operational control to accomplish your combined mission.

0643

Hq 32d Air Div (Def) Minutes of the Staff Meeting, 19 June 1956 (Cont'd)

3b. All the facilities at Syracuse will be under your control when accepted for Air Force use. Judicious use will have to be made of available facilities to accommodate all the activities to be carried out. In this respect the Deputy Chief of Staff for Materiel of this headquarters will visit you in the near future to review the adequacy of facilities and the possibility of borrowing space in the National Guard buildings.

General Israel: We are faced with such problems as this. I think, Major Verbeck, you know what they are. No. 1 - Medical care. We have had our infirmary scratched out of FY-56; hope we can get it in FY-57. The surgeon is now occupying space in the BOQ area and he is short of it - needs more. That BOQ will have to be converted into NCO barracks according to plan. In addition, there are two other things that are going to hurt us. One - Sampson AFB closing down has brought a workload on our people which was not anticipated by Headquarters USAF. Furthermore, reports we submitted do not give us credit for all the medical care we are giving in this area. Consequently, we received a cut in division personnel and the 642d Infirmary. Instead of getting spaces, we have lost them because we have not shown the workload on reports. It is going to take six months to catch up on that. We are in an awful bind on medical facilities and personnel at the present time. How many can we turn over to Griffiss? Griffiss is overloaded for the same reason. This was brought to the attention of the ADC surgeon when he was here. He is going to try to help us out. We are going to try to keep medical facilities going as much as we can. How are we going to do it? We don't have an infirmary. One - When the service club is completed, move the NCO Club and use that for a dental clinic and maybe for out-patient service, get the house I am going to move out of and use that. We are going to have to juggle spaces and everybody will have to abide with us. In the operations building, we may have to double up so that we won't have to move the dispensary out of where it is now until later. The whole thing will have to be revised. We have two new organizations coming in in October. Don't know if we can put them in the new buildings or not because they will be filled with IBM people. Where are we going to locate Detachment #1 and the 4624th Wing? Here is another problem.

3c. The procurement of equipment and supplies should be effectively accomplished by the central procurement activity being established here at Stewart AFB. Your responsibility in procurement will be coordination for the establishment of delivery dates and accepting delivery of equipment and supplies at Syracuse Air Force Station.

Hq 32d Air Div (Det) Minutes of the Staff Meeting, 19 June 1956 (Cont'd)

General Israel: Think we have gotten ahead of that by acquiring warehousing space, but who is going to do the warehousing? What officer? Don't want a base organization.

Major Verbeck: It has been a constant source of conversation for the last three months. We are hoping enough people will come in from the wing to take care of the SAGE supply setup.

General Israel: There can only be one supply at an installation. The wing will take it over by turning it over to the Air Base Squadron. It will belong to wing and you will do it for wing.

I have been trying to get a purchasing and contracting officer locally. Griffies cannot do it. They cannot handle purchasing and contracting for this station any longer, so we have to go back in for a P&C - at least for taking care of AIO.

3d. An on site coordination committee, headed by a Western Electric representative, will be established sometime in September for the purpose of resolving local problems generated by the installation and testing of equipment in the SAGE operations building.

General Israel: Where are these people going to have their office? How many are there going to be? How are we going to feed them? You are going to have to feed a lot more people in the airman's mess. Also, going to have to close the officers' club and convert that to NCO barracks.

Two big problems are organization and facilities. In this organization, you must designate functions and sub-functions. Think on organization, we ought to get PO&R, Colonel Bell and Major Verbeck on a committee to get together with you, Colonel O'Neill, and Colonel Drury and you can have Captain Durgin, too. We ought to limit it to that number; and want everybody to know what is going on. It might be necessary to put a medical type in on that.

Colonel O'Neill: We will take a reading on it.

General Israel: If we don't keep medical going, we are going to lose out. I insist on taking care of dependents best we can. Would like to leave medics right where they are now and maybe give them a little bit more room. Will there have to be any alterations to convert that building to NCO barracks?

Major Verbeck: No, sir.

Ng 301 Air Div (Det) Minutes of the Staff Meeting, 19 June 1956 (Cont'd)

General Tarnett: I want to keep medical there, and we will move NDM and HHS. Your inspection section, Colonel Lovette, is going to remain as is. It is not going to be reduced.

Lt Colonel Lovette: We are short of people now. If we don't get some personnel, we won't be able to pull an inspection.

General Tarnett: We have been pulling your section down because of this thing and now we are going to bring you up again.

Lt Colonel Lovette: Talked to Colonel Van Aaken a few days ago and he had nothing definite on it. When he got word, he would give me a call.

General Tarnett: Are there any questions on SAGES? If there is anything in anyone's mind, worrying them about their own predicament or future of this thing, come around and let's talk about it. Hope to get some Tables of Organization from Eastern Sector - USA's. The 462nd at McGuire has theirs. They show a wing commander of grade of colonel and, also, a general officer. As far as Station goes, they provide for a general officer for division commander but have not done anything about a vice commander. Until we hear something, don't firm up on point of commanders here.

These things are supposed to grow up side by side. Supposed to have SAGES fully operational before you phase out the manual system. While one is growing, the other must phase out. That is one complication. The other complication is, we are already two months behind in our requisitions due to the fact that we had no manning documents (MAD) on which to requisition. Therefore, we are going to be short of furniture and everything else. Confusion is going to reign. This thing will grow slowly and it will reach a peak at this station on personnel and lack of facilities, but some time this winter we ought to see through it and the peak will subside maybe by next spring. In the meantime, we are going to have to give a lot of space and take a lot of inconvenience which you were not bothered with before.

Deputy for Operations

Lt Colonel Shelton: Presque Isle as of 0800 this morning because a one-squadron base. The 75th will be at Moody for 30 days, commencing 21 June. The 27th is down there now.

There will be a meeting here on 27 June for officers for the CFX with the 30th, 35th, 37th and 56th divisions.

Hq 304 Air Div (Det) Minutes of the Staff Meeting, 19 June 1966 (Cont'd)

Deputy for Personnel

LT Colonel Penn: We have authority to separate two officers. They will be reported here this next week - Lieutenant Briggs and Lieutenant West.

As far as medical is concerned, looks as though we will be short a medical officer for a few days. I have a Captain James who is coming in from Surgeon shortly after 1 July.

Received a rumor that there will be a civilian personnel office for civilians established here about 1 September.

General Isacoff: One bid?

LT Colonel Penn: It will only amount to six or seven people, but it will require space. It will support Syracuse, Watertown and Niagara. I feel it should take another year and a half before we are in a position facilities-wise to accommodate them.

General Isacoff: Perhaps we can rent space downtown. Inquire about it.

Colonel O'Neill: Let's get together on that after staff meeting, Colonel Penn.

General Isacoff: I have one other item that concerns everyone. Office hours in this organization are eight to twelve and one to five. A few people are leaving earlier and earlier each noon and coming back later and later. If somebody has something to do, has to make the store or the bank, I have been very lenient on that, but want them to check with their section heads. If they are a section head, check with the front office so that we will know where you are. If you want to go out for an afternoon's PT, the same thing applies. Also, want to say that the job comes first. If work has to be done, want that done first. Particularly want younger officers impressed with that fact. Also, no one has authority to issue and sign their own travel requests. That is not done in the service. You must check with your next superior.

wcb

0647

COPY

COPY

OPR

26 JUN 1956

SUBJECT: SPECIAL INSTRUCTIONS FOR SAGE REORGANIZATION

TO: COMMANDER
EASTERN AIR DEFENSE FORCE
STEWART AIR FORCE BASE, NEW YORK

1. THIS IS TO ACKNOWLEDGE YOUR LETTER ENTITLED "SPECIAL INSTRUCTIONS FOR SAGE REORGANIZATION," DATED 13 JUNE 1956.
2. A PLAN IS BEING FORMULATED AT THIS HEADQUARTERS IN COMPLIANCE WITH YOUR INSTRUCTIONS AND WILL BE FORWARDED UPON COMPLETION. THE EXPECTED COMPLETION DATE OF THE PLAN IS 10 JULY 1956.
3. THERE IS A CONFLICT AS TO THE ACTIVATION DATE OF THE SYRACUSE AIR BASE SQUADRON. PARAGRAPH TWO OF YOUR LETTER INDICATES AS A POSSIBLE DATE IN JULY AND THE MANPOWER AND ORGANIZATION SECTION OF YOUR HEADQUARTERS HAS INFORMED US VERBALLY THAT THE SPACES WILL NOT BE AVAILABLE BEFORE 1 OCTOBER OF THIS YEAR. A CLARIFICATION IS NEEDED FOR PLANNING PURPOSES.
4. I AM CONFIDENT THAT SPACE FACILITIES WILL BE SUFFICIENT TO ACCOMMODATE THE VARIOUS UNITS AS THEY ARE ACTIVATED. THIS CONFIDENCE IS BASED ON INFORMATION PRESENTLY AVAILABLE REGARDING BOD'S AND ACTIVATION DATES. I WOULD APPRECIATE UP-TO-DATE INFORMATION AS CHANGES OCCUR.

/s/ ROBERT S. ISRAEL, JR.
/t/ ROBERT S. ISRAEL, JR.
BRIGADIER GENERAL, USAF
COMMANDER

39/1

0648

HEADQUARTERS
AIR DEFENSE COMMAND
 CENT AIR FORCE BASE
 COLORADO SPRINGS, COLORADO

GENERAL ORDERS)
 NUMBER 27)

19 June 1956

DESIGNATION AND ORGANIZATION OF THE 4624TH AIR BASE SQUADRON (SAGE)..... I
 AMENDMENT OF GENERAL ORDERS..... II
 STAFF ASSIGNMENT..... III

I. DESIGNATION AND ORGANIZATION OF THE 4624TH AIR BASE SQUADRON (SAGE)--1 The following unit is designated, assigned as indicated, and will be organized under an appropriate Unit Manning Document, at Syracuse Air Force Station, effective 8 July 1956.

<u>UNIT</u>	<u>ASSIGNMENT</u>	<u>SUB-ASSIGNMENT</u>	<u>LOCATION</u>
4624th Air Base Squadron (SAGE)	32d Air Division (Defense)	Eastern Air Defense Force	Syracuse Air Force Station, New York

2. Personnel will be furnished from sources under control of the Commander, Eastern Air Defense Force.

3. Equipment will be authorized by the Unit Authorization List to be published by the Commander, Air Defense Command.

4. Action directed herein will be reported in accordance with Air Defense Command Supplement Number One, dated 10 May 1956, to Air Force Regulation 20-49.

5. Authority: Air Force Regulation 20-27.

II. AMENDMENT OF GENERAL ORDERS--1. Confirming verbal orders of the Commander on 28 May 1956, so much of paragraph 1, General Orders 11, this headquarters, current series as reads:

<u>UNIT</u>	<u>ASSIGNMENT</u>	<u>SUB-ASSIGNMENT</u>	<u>LOCATION</u>	<u>EFFECTIVE DATE</u>
*Headquarters 4621st Air Defense Wing (SAGE)	Eastern Air Defense Force	26th Air Division (Defense)	McGuire Air Force Base, New Jersey	1 April 1956
Headquarters 4622d Air Defense Wing (SAGE)	Eastern Air Defense Force	26th Air Division (Defense)	Stewart Air Force Base, New York	1 June 1956*

Is amended to read:

39/2

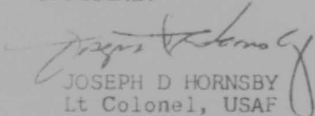
GO 27, Hq ADC, Ent AFB, Colorado Springs, Colo , 19 June 1956
 Section II, para 1, cont

<u>UNIT</u>	<u>ASSIGNMENT</u>	<u>LOCATION</u>	<u>EFFECTIVE DATE</u>
"Headquarters 4621st Air Defense Wing (SAGE)	Eastern Air Defense Force	McGuire Air Force Base, New Jersey	1 April 1956
Headquarters 4622d Air Defense Wing (SAGE)	Eastern Air Defense Force	Stewart Air Force Base, New York	1 June 1956*

III. STAFF ASSIGNMENT--1. COLONEL ROBERT J FRIEDMAN,
 1397A, this headquarters, is assigned as Acting DCS/Comptroller,
 effective 4 June 1956.

BY ORDER OF THE COMMANDER:

OFFICIAL:


 JOSEPH D HORNSBY
 Lt Colonel, USAF
 Asst Command Adj

MARSHALL S ROTH
 Major General, USAF
 Acting Chief of Staff

DISTRIBUTION
 "A"

HEADQUARTERS
EASTERN AIR DEFENSE FORCE (ADC)
Stewart Air Force Base, Newburgh, N. Y.

GENERAL ORDERS)
NUMBER 23)

15 March 1956

ACTIVATION OF UNITS. SECTION I
REORGANIZATION OF FIGHTER INTERCEPTOR SQUADRON SECTION II

SECTION I

1. Effective 8 April 1956, the following units (having been redesignated and/or constituted, and assigned to this command) are activated, under appropriate Unit Manning Documents with T/O composition, strength and station of activation as follows:

UNIT	T/O COMPOSITION	STRENGTH		STATION OF ACTIVATION
		OFF	ARM	
611th USAF Dispensary	1-4101, 1 Jun 55, 1 x Part IICH	1	6	Willow Run Air Force Station, Belleville, Michigan
613th USAF Dispensary	1-4301, 1 Jun 55, 1 x Part IICH	1	6	Roslyn Air Force Station, Roslyn, New York
642d USAF Dispensary	1-4201, 1 Jun 55, 1 x Part IICH	1	6	Syracuse Air Force Station, Syracuse, New York

2. Concurrent with activation, the above units are assigned to Air Divisions (Defense) as follows:

Unit	Assignment
611th USAF Dispensary	30th Air Division (Defense)
613th USAF Dispensary	26th Air Division (Defense)
642d USAF Dispensary	32d Air Division (Defense)

3. Personnel will be furnished from sources available to the Air Divisions (Defense) concerned.

4. The above are Category D units and are authorized only Essential equipment as listed in the NEAL. The USE column of the UAL's will be prepared in conformance with paragraph 7c, AFR 5-25, to indicate authorizations based on Column 2a of the NEAL and above T/O compositions. Variable items, T/A 1-21 and NEAL, will be based on the USE strength of the units. These units are authorized additional equipment in the USE column of the UAL in conformance with paragraph 8c, AFR 5-25.

5. The precedence categories for these units are established as indicated in the current issue of the USAF Operating Program - Priorities of Programmed Units; any changes will be reflected in subsequent issues of this publication.

39/3

GO 23 HEDEADF (ADC) Stewart AFB Newburgh NY 15 MAR 56 (CONT)

6. Personnel provisions of the following directives will apply:

AFM 171-6, 1 March 1955, as amended

AFM 67-1, paragraph 30, Volume

7. Upon activation, the 611th and 613th USAF Dispensaries are entitled to the history, battle honors, and any colors belonging to the 611th and 613th USAF Dispensaries activated 8 July 1954 and 18 August 1955 respectively. If desired, unit history may be obtained from the USAF Historical Division, Air University, Maxwell Air Force Base, Alabama. Battle honors and colors may be obtained from the Director of Military Personnel, Headquarters USAF, AFMPTICB, Personnel Services Division, Washington 25, D. C.

8. Upon completion of a unit's direct mission Organization Statement (OS) (M-100) (M-100) and AFM 171-6 will be prepared by the unit. The OS should be prepared in accordance with AFM 171-2, and the OS should be submitted to the appropriate AFMPTICB office for review and approval. The OS should be submitted to the AFMPTICB office for review and approval.

9. The unit should be prepared to receive and maintain a unit history, battle honors, and any colors belonging to the unit. The unit should be prepared to receive and maintain a unit history, battle honors, and any colors belonging to the unit.

SCHEDULE II

1. Effective 8 July 1954, the following unit is reauthorized under an appropriate Unit Manning Document (UMD) and T/O composition and T/O strength as indicated:

UNIT	T/O DESCRIPTION	STRENGTH		
		OFF	WD	ACT
123d Fighter Interceptor Squadron	1-252, 1 Jan 55, 1 x Parts II, III, E, & Part IIC	40	6	30

2. Required personnel will be furnished from sources available to the 4706th Air Defense Wing.

3. The above unit is a Category D unit and is authorized UEE as listed in the MEAL. UME column of the UAL will be prepared in accordance with paragraph 7c, AFR 1-25, to indicate authorization based on Column 1 of MEAL and above T/O composition. Variable items, T/O 1-21 and MEAL, will be based on UMD strength of unit. Unit is authorized additional equipment in UME column of UAL in accordance with paragraph 7c, AFR 1-25.

GO 23 HEDUSAF (ADC) Stewart AFB Newburgh NY 15 MAR 56 (CONT)

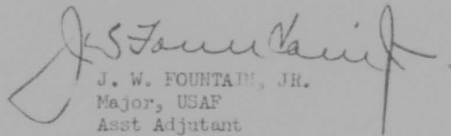
4. Pertinent provisions of AFM 171-6, 1 March 1955, as amended, will apply.

5. Upon completion of action directed herein, Organization Status Change Report (Reports Control Symbol AF-01) will be prepared in accordance with Chapter 5, Eastern Air Defense Force Manual 171-2, and submitted to the Commander, Eastern Air Defense Force, to arrive not later than 0800 hours the first calendar day following the "as of" date.

6. Authority: Same as in Section I of this order.

BY ORDER OF THE COMMANDER:

OFFICIAL:


J. W. FOUNTAIN, JR.
Major, USAF
Asst Adjutant

W. R. GROHS
Colonel, USAF
Chief of Staff

DISTRIBUTION:

A Plus
20 - COMDR HEDUSAF (ATTN: FUB DIV)
10 - COMDR ADC (ATTN: M&O)
5 - EACMO
4 - EACST

0653

HEADQUARTERS
303 AIR DIVISION (DEFENSE) (ADD)
Syracuse Air Force Station
Syracuse 6, New York

GENERAL ORDER)
NUMBER 7)

8 April 1956

Under the provisions of Air Force Regulation 20-27, 5 September 1955, the Chief United States Air Force Dispensary, Air Defense Command, is attached to Headquarters Squadron Section, 303 Air Division (Defense), Air Defense Command, Syracuse Air Force Station, Syracuse 6, New York, for the purpose of administration and logistical support, effective 8 April 1956.

BY ORDER OF THE COMMANDER:

OFFICIAL:

Everitt W. Howe

EVERITT W. HOWE
Major, USAF
Adjutant

BRIAN CONRILL
Colonel, USAF
Vice Commander

DISTRIBUTION:

A

39/4

0654

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
Syracuse Air Force Station
Syracuse 6, New York

MINUTES OF THE STAFF MEETING - 27 January 1956

At the staff meeting called at 0830 on 27 January 1956, the following briefings were presented:

Deputy for Operations

Colonel Inghott: The adjutant and I are very interested in one subject, the business of writing travel orders. He is running into trouble because of regulations concerning type of travel. It has long been a policy of this headquarters and, especially in my shop, that people will use military air if available. Then, they can go by other means if military air is not available. By directing military air if available, they need a certificate when no aircraft are available. That is okay, however, these people are not getting certificates at other bases. In one case, no aircraft were available so the officer had to drive his own car. Since the car was with him, he had to drive it back. However, finance only paid him for the trip down.

Colonel O'Neill: Why can't you direct more than one type?

Captain Foster: You can direct one type and authorize an additional mode.

Major Sower: My point is, that you should indicate just TPA on the orders, then you can go military air or any other way you want to go.

Colonel O'Neill: Okay. Then we will show it that way.

Major Verbeck: Would like to see CIPAP shown on orders.

Colonel O'Neill: Don't see any reason why CIPAP should not be on the orders. There has to be a certain limit on that; otherwise, they would go anywhere. Operations Orders should be put out before they go.

Captain Foster: Orders are not really out until after the people come back.

Colonel O'Neill: Major Verbeck, will you take care of the Operations orders?

Controller

Captain Foster: Time is running very short and we are working like mad getting reporting requirements together prior to 1 March. Thank you.

40/1

Hq, 32d Air Div (Def) Minutes of the Staff Meeting, 27 January 1956
(Cont'd)

best thing to do is sit down with someone from each section and go over this with them. There are a number of reports which have to be consolidated in this headquarters which have not been consolidated previously.

Colonel O'Neill: When are you going around the different sections on this?

Captain Foster: We have gone through 290 out of 399 reports, so we are well on the way.

Colonel O'Neill: If you don't get the proper cooperation, let Colonel Engenburt or myself know.

Flight Surgeon

Dr. Schultz: We have a letter from the District State Health Office approving an initial 11.9 cc vials of Salk Vaccine for this installation. This is free of charge. All we have to do is get the names, ages, etc. We have to set up a priority system which we will have to work out with the State Health Office. Those that have had one shot already are not to have this. This is strictly an initial series. We will start with the younger and work up.

I might mention that the State Health Office has been very cooperative in making several tests for us. They have given the attitude that we are part of their community and are treating us as such.

Director, Office of Information Services

Lt Gorman: Lt Morgenstern is working on the photographs of the Texas Tower and will bring them over to Colonel O'Neill this morning.

Deputy for Materiel

Major Stella: Received a letter stating that the 216 family housing has been approved for this base. It still requires the concurrence of the USA administrator in Albany. They have asked that the Commander, this installation, contact the Albany administrator. Wonder whether you would like Major Verbeck, as base commander, to take care of that or the division commander?

Colonel O'Neill: Bring it in to me.

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
Syracuse Air Force Station
Syracuse 6, New York

MINUTES OF THE STAFF MEETING - 8 February 1956

At the staff meeting called at 0830 on 8 February 1956, briefings were given by the deputies as follows:

Commander

Colonel O'Neill: Is anyone writing anything on the movement of the 76th Fighter Squadron for submission to ADC, Colonel Ingenhutt?

Colonel Ingenhutt: No, Sir.

Colonel O'Neill: We should get something out on that.

Commander, Hq Sq Section

Captain Holzschuh: A Flying Safety meeting is scheduled for Friday, 10 February 1956, at 1515; Officers' Call will follow at 1600.

Deputy for Materiel

Lt Colonel Shido: Lieutenant Bidwell obtained letters of confirmation on the need of the 216 houses for the Syracuse Air Force Station; one from Mayor Head and one from Mr. Garrity, Chief of the Syracuse Housing Authority. We are prepared to make the trip to Albany whenever Colonel O'Neill is ready.

Inspector General

Major Bell: The inspection team will be back tomorrow.

Director, Information Services

Lt Gorman: On the John C. Swayze news broadcast last night, General Partridge appeared for a few moments and commented on the jet noise in civilian communities. Apparently, there is a change in AF policy in regard to jet noise. With the amount of new aircraft increasing, civilian communities may have to contend with the noise until such time as military bases are relocated away from civilian communities.

Colonel Ingenhutt: General Partridge stated that they are going to try to move all of our units from civilian bases to military bases; however, it is a long range program and cannot be done in a year.

POH

40/2

0657

MEMORANDUM
FOR THE RECORD
SUBJECT: [Illegible]

DATE: [Illegible]

TO: [Illegible]

Background

[Illegible text describing background information]

[Illegible text]

[Illegible text]

Discussion

[Illegible text describing discussion points]

[Illegible text]

Conclusion

[Illegible text describing conclusion]

[Illegible text]

Recommendation

[Illegible text describing recommendation]

EW 40/3

HEADQUARTERS
120 AIR DIVISION (DEFENSE)
Syracuse Air Force Station
Syracuse 6, New York

MINUTES OF THE STAFF MEETING - 18 January 1956

At the staff meeting called at 0830 on 18 January 1956, the following briefings were presented:

Deputy for Operations

Colonel Ingersoll: The Puritions and Manning Review meeting will be held on Friday, 20 January 1956, at 1000. Lt Colonel Fenn is the president. Yesterday we received complaints that certain sections were not being allowed to defend themselves. If anyone has any complaints, we will welcome them as members of the board.

Lt Colonel Fenn: We have planned to invite staff sections to be present at the meeting, if they so desire.

Quartermaster, No 84 Section

Major Beckwith: The GPO, "It All Counts" was received yesterday and according to EAF's letter, the staff is to review it. We received five copies. We are retaining one and forwarding four to subordinate units.

Deputy for Material

Lt Colonel Miller advised Assette, AVCO, New York, was here yesterday and he indicated that \$50,000 was made available to the City of Syracuse to proceed with the water system.

Inspector General

Lt Colonel Ingersoll: Staff like to make a recommendation that a member from the IV section represent the IV team at the Headquarters and EAF of the Puritions and Manning Review Board.

Colonel Ingersoll: We also welcome to have a man on the board.

BWA

40/4

0659

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
Syracuse Air Force Station
Syracuse 6, New York

MINUTES OF THE STAFF MEETING - 24 February 1956

At the staff meeting called at 0830 on 24 February 1956, briefings were given by the deputies as follows:

Comptroller

Captain Foster: We have received an advice of allocation from EADF that we have been cut \$15,300 in 458 money. We have not determined ramifications as yet, but as soon as we do will advise you of same.

General Israel: It looks like more than we have. What will happen about trips coming up?

Captain Foster: That will not hurt us. What will hurt us is trips out to Remington Rand. Transportation out there is 45 days. Also, five state coordinators out to Colorado Springs on commercial transportation.

Colonel Inghutt: You will get out cheap on that. We are going to send them by C-45.

Captain Foster: Overall, the division, as a whole, came out a little ahead - that is up until the first of March. The 15th Fighter Group received an additional \$35,000 in 458 money and an additional \$6,000 in 459 money. The 23d Fighter Group lost \$27,000 in 458 and lost \$15,000 in 459; 33d received an additional \$4,000 in 459; Dow got a bulk \$27,000; Grenier lost \$15,000 in 458; Westover received an additional \$6,000 in 458 and Griffiss lost a total of \$21,000 in 458 of which \$15,300 was ours.

General Israel: Colonel Chido, did they tell you what property would be approved for land acquisition?

Lt Colonel Chido: They said that they were considering authorizing 55 acres. This was all over the telephone. A letter was sent out to us and we should receive it in today's mail.

General Israel: On that, maybe I should go down and see Commissioner Barry and if we are going to have a long lag over this, maybe we could have him set aside the property.

Deputy for Operations

Colonel Inghutt: On the cable failure at P-80 yesterday. They are on a minimum operation and have two channels. They expect to be on the air full strength at noon today.

40/5

0660

Hq, 32d Air Div (Def) Minutes of the Staff Meeting, 24 February 1956
(Cont'd)

Major McDonald from Eastern departed here with the idea in mind that we had a definite requirement for a hangar and flight line of our own.

General Israel: I talked to Colonel Chido about that yesterday. We are thinking of locating it down in the National Guard area because it would be very hard to put it up here due to property for housing.

Colonel Ingenhutt: In conjunction with that - we recommended that we not work in joint tenancy with the National Guard.

General Israel: No, we will not have to do that. We will have our own hangar and ramp space.

Regarding the General Order assigning squadrons to groups. This has been held up. I informed EADF of our intentions and they will have to clear it through ADC. If they disapprove of it, we will attach AC&W squadrons for training and administrative purposes, and that way we can keep squadrons and groups together. Nothing was said about assigning the squadrons at Griffiss.

Deputy for Materiel

Lt Colonel Chido: Regarding the M&O Program, final instructions have been received. These have to be in Eastern by 6 March. We have already assigned this to the units under the groups.

General Israel: It will be all right to go on with that for assistance in M&O projects. It is not a question of organization assignment but assignment of function.

Lt Colonel Chido: We will distribute the '57 M&O instructions to the groups today. Projects must be completed by 2 March.

General Israel: How about the item we talked about yesterday, on re-surfacing pits around hydrants at Burlington? Don't see where there will be anything in '57 funds for it. Is this program coming up for the remainder of FY 57?

Lt Colonel Chido: Yes, Sir. It is going to be a difficult job and will require the cooperation of all units.

General Israel: Let's get a regular schedule on it so that we will not get delayed.

Hq, 32d Air Div (Def) Minutes of the Staff Meeting, 24 February 1956
(Cont'd)

Lt Colonel Chido: Advance warnings have been given to the groups. We may find it necessary to convene our Board here around the third or fourth of March. As that is a Saturday, we may have to work that day.

General Israel: There will be a change in the Board - Lt Colonel Lovette in place of Colonel Thomas.

We have sent letters to all Air Materiel Areas and specialized depots requesting two copies of all correspondence, directives and informational data be furnished this headquarters.

Commander, Hq Sq Section

Major Verbeck: We are in the middle of programming funds for the new buildings and homes. Colonel Chido and his shop have been very helpful, but we are going more or less by guess in the amount of equipment and furniture needed for same. We are hoping that we have not considered anything that the contractor has been obligated to put in.

General Israel: Go in for floor covering, water coolers, dining room sets, chester drawers for bedrooms, and things like that.

Major Verbeck: Again, we don't know what the contractor is going to supply.

General Israel: You put in for everything that will be needed, in any case.

Major Verbeck: There are eleven sets of quarters. Are we going to requisition furniture for every set of quarters or just part of them?

General Israel: You will requisition for all.

I have one item for you, Major Verbeck. Regarding the school for retarded children. I believe that is not a matter for an organization as such. If the NCO Club or the Board of Governors want to go on with it, on some program of their own, that is all right, but it is not to be sponsored by the division. Do not feel we should get involved in any private enterprises. We have the Air Force Aid, Community Chest and March of Dimes.

Deputy for Personnel

Lt Colonel Penn: We have a directive on the resignation of Warrant

Hq, 32d Air Div (Def) Minutes of the Staff Meeting, 24 February 1956
(Cont'd)

Officers, which is USAF-wide. All Warrant Officers will be reassigned into authorized vacancies. This will hit us, inasmuch as we have several assigned. We have two new Warrant Officers coming in and they are both going into authorized vacancies. Also, the Warrant Officers must be reassigned within the division, if possible. Two of our AC&W sites are very dependent on Warrant Officers as controllers.

General Israel: Think we should go ahead with a letter showing how this is going to hurt us, particularly controller-wise, and get a dispensation on it, if possible.

Information Services

Lt Morgenstern: The film we made with the National Guard is finished and we will have it on television stations week after next. As soon as I get it, will show it here.

This afternoon I will be on Kay Russell's television show. It will concern photographs of the Texas Tower.

Inspector General

Lt Colonel Lovette: I have one question. Is there any reason why the film, "It All Counts", cannot be shown to the NCO's?

General Israel: I did not see it as I was on leave. What did it concern?

Major Verbeck: The general idea was re-enlistment. It should be shown to NCO's only.

General Israel: Okay.

Blw

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
Syracuse Air Force Station
Syracuse 6, New York

MINUTES OF THE STAFF MEETING - 23 March 1956

At the staff meeting called at 0830 on 23 March 1956, briefings were presented by the deputies as follows:

Deputy for Materiel

Major Stolz: The bids for construction of the additional buildings for which we have funds will be opened on 17 April. Construction will start early in May. That is everything in the program with the exception of the Chapel and Infirmary. That will come 30 days later.

The 76th FIS is picking up another -75 89 at Northrup. They should pick it up today.

Deputy for Personnel

Lt Colonel Penn: The 465th FIS is going to receive, by the end of March, seven additional 89H's and five 89D's which will give them a total of seventeen aircraft.

In manning of the 465th FIS, the critical area is airplane mechanics. They will have, by the time they get the seventeen airplanes, sixty mechanics of which ten will be skilled airplane mechanics. In other maintenance areas, they are equitably manned. There is a definite shortage, which I am working on.

One other subject, I would personally appreciate it if officer and, if necessary, airmen, within the division do not contact the Deputy for Personnel at Eastern direct. We had one case yesterday of an officer in this headquarters who called Colonel Gaffney direct on a situation.

Colonel O'Neill: I would like to know more about that after staff meeting.

Commander, Hq 32 Section

Major Verbeck: Officers are not picking up their base details.

Colonel O'Neill: Let's take that up in each section and get it done today. No reason why they should not pick up their details if their cars have been inspected.

40/6

MEMORANDUM
FOR THE RECORD (JEF/SGS)
Special Air Force Staff
Camp David, New York

MINUTES OF THE STAFF MEETING - 07 April 1946

At the staff meeting called at 0800 on 07 April 1946, briefings were given by the members as follows:

GENERAL

General Israel: Colonel Drury, did you get four million dollars for UNICEF?

Colonel Drury: It was a large amount. It will cover after July, I think.

General Israel: It is for supplies and everything we have to get in the way of tanks, trucks, etc.

General Israel: How will you get away for parking tanks, etc?

Colonel Drury: Not certain. We will see how well we receive the money.

General Israel: At the Commanders' Conference, General Harold spoke on several things. On GFA - let's discuss our non-AI picture.

He wants photographs taken of the plating board during GFA's. We can take them with an ordinary camera, with or without flash, so that you will have a pictorial record of what is actually on the board rather than having an ordinary record.

Major Hays: We can take them of the plating board and not the side boards.

General Israel: Major Hays, do we have any official means of developing around here?

Major Hays: No, sir.

General Israel: Perhaps we can check off the wing works and return them to again.

Another thing General Harold desires, and I think it is a very progressive move, let's not wait until the last minute to schedule our fighters. If we have an idea regarding the last plane already working, before fighters and have them take off at an appropriate time, so that they can get out to the aircraft in preparation to take off. It may be better starting in the middle and then to schedule.

40/7

0665

Hq, 32d Air Div (Def) Minutes of the Staff Meeting, 27 April 1956 (Cont'd)

Lt Colonel Shelton: Some of the squadrons have utilized that to some degree. If they get enough advance information from the GCI man, pilots can take a little more time in getting out to the aircraft.

General Israel: General Harbold fully realizes that many times we are going to have to initiate scrambles from here.

I mentioned the regulation concerning our hook-up on the tactical line, having the complete thing go through the switchboard. Would like a direct line to fighter-interceptor squadrons and to EADF from the Command Post, eliminating the tactical switchboard during CPX's.

Our next CPX will be some time during FY 57. The way CPX's are going to be run, the next one anyway, is: The 26th Air Division, 85th Air Division and the 32d Air Division are going to draw up and monitor a CPX for the other four divisions. I have been appointed chairman of the committee. These are all going to be joint CPX's from now on, as the last one should have been. Personnel from the other divisions will be included as members of the CPX committee. I already have the names of two people from the 26th Air Division; Lt Colonel M. Stefanis, AAA, and Major Mueller, out of plans. Also, Major Meredith, Intelligence, 85th Air Division. We should also have representatives from Materiel and Personnel provided from the other divisions. As far as this headquarters, we ought to have Captain Fling and Captain Caron. Security is going to be kept high on this. We will send observers from the groups into these divisions. There may be a difference of what we want to give from a training standpoint and problems. One of our biggest problems is going to be, to find out what happened as a result of an enemy raid; what aircraft were lost, will we move any units, substitute for any units, etc. We should get the people in from the other divisions for a CPX committee meeting on or about 7 or 8 May. General Agan, EADF, wants to put representatives in here; possibly Colonel William Greenfield or Colonel E. F. LeClare.

I have a few other items which were mentioned at the Commanders' Conference. We have a new traffic pattern. The main object of the new traffic pattern is twofold; one is flying safety and the other is extension of radius of action of our aircraft.

Re-enlistment program. Re-enlistment should be on officer retention. Officers can now re-enlist within 90 days after discharge, if they so desire.

It is requested that all personnel read AFM 1-2, doctrine of the Air Force.

Hq, 32d Air Div (Def) Minutes of the Staff Meeting, 27 April 1956 (Cont'd)

Another item has to do with FCDA. It was pointed out that any evacuation, as soon as people get off base, will be in the hands of civil defense. If we want first aid, etc., it will be in the hands of civil defense. All that comes under their control.

We have another reorganization. Will discuss it after the meeting with Manpower. This was to have been placed in effect on 1 May but Eastern wanted to try it first.

Eastern has sent out a letter assigning the 49th Fighter-Interceptor Squadron to the 32d Air Division.

Another item was that of Naval officers being ordered into the air defense system for two weeks training. Watertown has two commitments. I spoke to Captain Blitch on that. He is doubtful about having them go into CCI sites. He would like to get his people down here for training and he has the TDY money to do it. Think possibly they should have a few days in Watertown and then indoctrinate them down here for a few days. Unless we get something in writing from Captain Blitch, will follow that procedure. Colonel Fenn, check with Commander Sevilla on that.

Lt Colonel Fenn: I have the paper work on it.

General Israel: Another item was - putting talent in the squadrons. If we have any talent, they should be put in squadrons. Don't know how we are going to get it down. We could reassign them back down. Colonel Fenn, take a good look at that.

Deputy for Operations

Lt Colonel Shelton: There will be a briefing for new officers today at 1400.

Comptroller

Captain Foster: On consolidation of reports, it was my understanding that reports would come direct to this headquarters from units rather than go to the groups and then to us.

Colonel O'Neill: They should come direct to us.

Captain Foster: I will pass the information on.

Hq, 32d Air Div (Def) Minutes of the Staff Meeting, 27 April 1996 (Cont d)

Commander, Co Sq Section

Major Verbeck: The stop light at the main gate is in operation. It was to be an automatic switch but I find it is manual.

General Iarsel: It is better that way, as it will not be used during the entire day. We should get some lines painted across the road. If we can't do it, the County may do it.

Major Verbeck: The County should do it. Will check on it.

Deputy for Material

Lt Colonel Child: The Post Exchange representative will be here for the Commander's Conference on 29 May.

Tow reels are set up for shipment the week of 7 May.

Inspector General

Lt Colonel Lovette: The Horton Inspection Team was here yesterday on a visit regarding logistic support provided ACGW squadrons. They were very pleased with the information they received at this headquarters. They were also very pleased with the information provided by Mr. Genano and Mr. Gaddis. Mr. Genano and Mr. Gaddis went along with them to Griffiss and Watertown. The visit to St. Albans and Ethan Allen was cancelled.

BWA

COPY

COPY

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

OCE

28 FEB 1956

SUBJECT: REHABILITATION OF CONNECTICUT TELEPHONE AND ELECTRIC CORP
PBX SWITCHBOARD

TO: COMMANDER
OLMSTED AIR FORCE BASE
MIDDLETOWN, PENNSYLVANIA
ATTN: MAAMA

1. REFERENCE IS MADE TO THE FOLLOWING CORRESPONDENCE AND/OR
EQUIPMENT:

- A. CONNECTICUT TELEPHONE AND ELECTRIC CORP. 400 LINE
PBX SWITCHBOARD. (3 POSITION).
- B. LETTER YOUR HQ MAMMW, SUBJECT: TRIP REPORT OF EDWARD
PFEIFER (CONTRACT ENG) DATED 1 NOVEMBER 1955.

2. IT IS REQUESTED THAT DEPOT LEVEL ASSISTANCE BE MADE
AVAILABLE TO REHABILITATE THE 3 POSITION CONNECTICUT TELEPHONE
SWITCHBOARD PRESENTLY INSTALLED AT THIS HEADQUARTERS. SUBJECT:
EQUIPMENT, INSTALLED IN JANUARY 1952, HAS REACHED A POINT OF UN-
SATISFACTORY OPERATION THAT IS BEYOND THE CAPABILITY OF ASSIGNED
MAINTENANCE PERSONNEL USING AUTHORIZED TEST EQUIPMENT TO CORRECT.

3. THE FOLLOWING FACTORS HAVE CONTRIBUTED TO THE PRESENT
UNSATISFACTORY CONDITION OF THE PBX.

- A. INFERIOR QUALITY MATERIAL USED IN THE MANUFACTURE
OF OPERATORS' KEY SWITCHES. STOCK NUMBER AF 33----604-----55--
2549.
- B. INADEQUATE TOOLS AND TEST EQUIPMENT.
- C. WORN JACKS AND PLUGS.
- D. LACK OF SUFFICIENT INFORMATION WITH WHICH TO TRAIN
MAINTENANCE PERSONNEL IN THE PROPER PROCEDURES AND
TECHNIQUES REQUIRED FOR SWITCHBOARD AND RELAY MAIN--
TENANCE.

40/8

0669

COPY

COPY

Hq 32d AIR DIVISION (DEF) OCE SUBJECT: REHABILITATION OF
CONNECTICUT TELEPHONE AND ELECTRIC CORP PBX SWITCHBOARD

- E. LOW SUPPLY PRIORITY ON REPLACEMENT PARTS FOR SWITCHBOARD AND RELAY MAINTENANCE. KEYS CORDS ETC.
- F. FAILURE TO ADHERE TO GOOD ENGINEERING PRACTICES DURING INITIAL INSTALLATION OF SWITCHBOARD AND RELAY EQUIPMENT.

4. IT IS FURTHER REQUESTED THAT INSTALLATION OF A FOURTH SWITCHBOARD POSITION BE CORRELATED WITH THE REHABILITATION REFERENCED IN PARAGRAPH 2 ABOVE. NECESSARY EQUIPMENT (CONNECTICUT TELEPHONE 400 LINE SWITCHBOARD) IS PRESENTLY ON HAND AT THIS HEADQUARTERS.

5. THE RAPIDLY EXPANDING BASE FACILITIES HAVE AND WILL CONTINUE TO CREATE INCREASED DEMANDS ON OUR PRESENT SYSTEM. REQUEST THAT THE ABOVE REFERENCED REQUIREMENTS BE CONSIDERED FAVORABLY FOR IMPLEMENTATION AT THE EARLIEST OPPORTUNITY.

FOR THE COMMANDER:

/s/ EVERITT W. HOWE
/t/ EVERITT W. HOWE
MAJOR, USAF
ADJUTANT

INFO CY:
1. EADF
2. GRIFFISS AFB

COPY

SECRET
HEADQUARTERS
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

COPY

OCE

16 MAY 1956

SUBJECT: TELEPHONE EXCHANGE AND NEW BUILDING AT SYRACUSE AIR FORCE STATION (UNCLASSIFIED)

TO: COMMANDER
EASTERN AIR DEFENSE FORCE
STEWART AIR FORCE BASE
NEWBURGH, NEW YORK

1. REFERENCE YOUR MESSAGES, EAOCE-CW 17143, DATED 1 MAY 56, AND EAOCE-CW 17414, DATED 2 MAY 56.

2. THE REQUESTED EXPANSION OF THE TELEPHONE SYSTEM AT SYRACUSE AIR FORCE STATION IS BASED UPON THE ASSUMPTION THAT THIS STATION WILL FURNISH BASE SUPPORT FOR THE COMBINED COMBAT CENTER AND DIRECTION CENTER (SAGE) AND OTHER TENANT ORGANIZATIONS.

3. THE CURRENT REQUIREMENTS OF THE 32D AIR DIVISION FOR A BASE WIRE SYSTEM ARE NOW MET BOTH TACTICALLY AND ADMINISTRATIVELY BY CONTROL CENTER EQUIPMENT MGMXS-5. THE PRESENT PBX SWITCHBOARD IS A CONNECTICUT TELEPHONE THREE POSITION, FULL MULTIPLE TYPE BOARD WITH THE FOLLOWING FACILITIES:

- A. 300 COMMON BATTERY LINES, WIRED AND EQUIPPED.
- B. 100 COMMON BATTERY LINES, WIRED BUT NOT EQUIPPED.
- C. 20 MAGNETO LINE CIRCUITS WITH RELAY AND LAMP.
- D. 20 MAGNETO LINE CIRCUITS, WIRED ONLY.
- E. 20 CENTRAL OFFICE TRUNKS, WIRED AND EQUIPPED.
- F. 20 CENTRAL OFFICE TRUNKS, WIRED ONLY.
- G. 15 UNIVERSAL CORD CIRCUITS.
- H. NIGHT ALARM, DIAL TEST, ETC.

SECRET

4019
56-1287

0671

C O P Y

SECRET

C O P Y

HQ 32D AD(D) OCE SUBJECT: TELEPHONE EXCHANGE AND NEW BUILDING
AT SYRACUSE AIR FORCE STATION (UNCL)

DIAGRAM 1 SHOWS THE PRESENT INSIDE PLANT TERMINALS AND FILL. EXPANSION OF THE PRESENT TELEPHONE SYSTEM IS ENTIRELY IMPRACTICABLE DUE TO LACK OF SPACE IN THE OPERATIONS BUILDING AND NON-AVAILABILITY OF SPACE COMPONENTS TO ADEQUATELY SUPPORT CONNECTICUT TELEPHONE EQUIPMENT INSTALLED.

4. ATTACHED AS DIAGRAM 2 IS THE LATEST REVISION OF THE SYRACUSE AIR FORCE STATION MASTER PLAN SHOWING EXISTING AND APPROVED BUILDING CONSTRUCTION. IN ADDITION TO THE ABOVE THE FOLLOWING PERSONNEL INCREASES SHOULD BE NOTED:

PRESENT PROGRAMMED STRENGTH: 101 OFFICERS
506 AIRMEN
42 CIVILIANS

3D QUARTER 57 PROGRAMMED STRENGTH: 328 OFFICERS
1016 AIRMEN
130 CIVILIANS

5. IN VIEW OF THE INCREASES IN PERSONNEL AND BUILDINGS THIS STATION HAS PROGRAMMED FOR A COMMERCIAL 600 LINE DIAL TELEPHONE SYSTEM. MIDDLETOWN AIR MATERIAL AREA HAS REFERRED THE REQUEST FOR A DIAL TELEPHONE SYSTEM TO THE NEW YORK TELEPHONE COMPANY FOR A COST ESTIMATE OF THE EQUIPMENT. INFORMAL TALKS WITH REPRESENTATIVES OF THE NEW YORK TELEPHONE COMPANY INDICATE THAT PLACEMENT OF A DIAL SYSTEM IN THE PRESENT OPERATIONAL BUILDING IS IMPRACTICABLE DUE TO INADEQUATE CEILING HEIGHTS.

6. ALL PLANNING FOR THE EXPANSION OF THE TELEPHONE SYSTEM AT SYRACUSE AIR FORCE STATION HAS BEEN BASED ON THE ASSUMPTION THAT A NEW TELEPHONE EXCHANGE BUILDING WILL BE BUILT AS SHOWN ON DIAGRAM 2. IT IS HOPED THAT FAVORABLE CONSIDERATION WILL BE GIVEN TO THE INCLUSION OF THIS BUILDING IN FY 57 M&O FUNDS.

7. THIS CORRESPONDENCE IS CLASSIFIED SECRET IN ACCORDANCE WITH PARAGRAPH 30B(2)(g), AFR 205-1.

FOR THE COMMANDER:

2 INCLS
1. DRAWING BLDG NO. 1
(UNCL)
2. DRAWING MASTER PLAN
(UNCL)

/s/ EVERITT W. HOWE
/t/ EVERITT W. HOWE
MAJOR, USAF
ADJUTANT

SECRET

56-1287

0672

COPY

SECRET

COPY

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

OPR

19 Oct 1955

SUBJECT: PROGRAMMING FOR SAGE SYSTEM

TO: COMMANDER
EASTERN AIR DEFENSE FORCE
STEWART AIR FORCE BASE
NEWBURGH, NEW YORK

1. YOUR ATTENTION IS INVITED TO THE INCLOSED STAFF STUDY BY CAPTAIN WARREN A. HARMON OF THIS HEADQUARTERS AND ITS ATTACHMENT ENTITLED, "PROPOSED SCHEDULE OF EVENTS - SAGE." THIS STUDY SETS FORTH A RECOMMENDED PROGRAM FOR THE PHASED TRANSITION FROM THE MANUAL AIR DEFENSE SYSTEM TO THE SAGE SYSTEM FOR THE FIRST SECTOR.

2. IN ESSENCE, THE RECOMMENDATIONS ARE THAT:

A. THE OPERATIONAL TASK TO TRAIN AND PREPARE THE FIRST SECTOR COMBAT CENTER AT SYRACUSE BE ASSIGNED TO THE 32D AIR DIVISION IN LIEU OF THE 26TH AIR DIVISION AT ROSLYN, L.I., NEW YORK IN ORDER TO FACILITATE SUPERVISION AND CONTROL.

B. TWO DIVISION HEADQUARTERS NOT BE CONCURRENTLY STATIONED AT SYRACUSE BECAUSE OF THE INADEQUACY OF ADMINISTRATIVE SPACE, ON AND OFFBASE HOUSING AND OTHER SUPPORT FACILITIES AT SYRACUSE.

C. DURING THE PERIOD WHICH THE PROGRAM CALLS FOR THE OPERATION OF TWO HEADQUARTERS AT SYRACUSE, ONE OPERATING THE SAGE SYSTEM AND THE OTHER THE REMNANTS OF THE MANUAL SYSTEM, AN OVERALL SAVING IN PERSONNEL CAN BE EFFECTED AND A WELL COORDINATED OPERATION OF THE TWO SYSTEMS CAN BE ACCOMPLISHED UNDER THE CONTROL OF A SINGLE DIVISION HEADQUARTERS.

(1) THE MANUAL SUBSECTOR UNDER CONSIDERATION WILL BE THAT AREA COVERED BY THE TOPSHAN, MAINE SAGE SUBSECTOR. THIS SUBSECTOR WILL CONTINUE TO BE OPERATED MANUALLY BY THE 32D AD(D) REPORTING TO THE PRESENT SYRACUSE ADCC. AN OPTIONAL METHOD OF OPERATION MIGHT BE TO HAVE THE SYRACUSE MANUAL ADCC REPORT TO THE SYRACUSE SAGES COMBAT CENTER UTILIZING THE FEATURES OF THE SAGE MANUAL INPUT SYSTEM 41

SECRET

0675

55382

COPY

SECRET

COPY

Hq, 32d AD (D) OPR SUBJECT: PROGRAMMING FOR SAGE SYSTEM (CONT'D)

D. THE MOVEMENT OF TWO HEADQUARTERS CAN BE ELIMINATED BY LEAVING THE ALREADY "COMMUNITY ESTABLISHED" HEADQUARTERS, THE 32D AIR DIVISION, IN ITS PRESENT LOCATION WHILE MOVING THE 26TH AIR DIVISION TO FT KNOX, KENTUCKY.

3. IT IS THEREFORE RECOMMENDED THAT THE PROGRAM CHARGES AS OUTLINED IN ATTACHMENT #1 TO CAPTAIN HARMON'S STAFF STUDY, "PROPOSED SCHEDULE OF EVENTS - SAGE SYSTEM, BE EFFECTED.

1 INCL
"SAGE CHRNGE OVER"

/s/ ROBERT S ISRAEL, JR
/t/ ROBERT S ISRAEL, JR
BRIGADIER GENERAL, USAF
COMMANDER

SECRET

553862

0674

~~SECRET~~

COPY

COPY

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

MEMORANDUM FOR: COMMANDER 17 OCTOBER 1955
THRU: DIRECTOR PLAN AND REQUIREMENTS
SUBJECT: "SAGES CHANGE OVER"
PROBLEM:

1. ARE TWO AIR DIVISIONS NECESSARY TO ACCOMPLISH THE MISSION OF SAGES ACTIVATION IN THIS AREA?

FACTORS BEARING ON THE PROBLEM:

2. 26TH AIR DIVISION WILL ORGANIZE THE MCGUIRE, STEWART, FT LEE DIRECTION CENTERS AND THE 26TH COMBAT CENTER.

- A. THESE EVENTS OCCUR AT 2 MONTH INTERVALS STARTING 1 MAR 57.
- B. AS THESE SUBSECTORS COME INTO OPERATION LIKE PORTIONS OF THE MANUAL SYSTEM ARE PHASED OUT.
- C. 26TH WILL OPERATE A MANUAL SYSTEM UNTIL 15 OCT 57.
- D. TRAINING AND SELECTION OF PERSONNEL WILL BEGIN 1 FEB 56
- E. TOTAL PERSONNEL REQUIREMENTS TO OPERATE THESE 3 SAGES WINGS AND COMBAT CENTER ARE NOT KNOWN EXACTLY, BUT HAVE BEEN ESTABLISHED AS APPROXIMATELY 3,915 (FTR GPs AND SQDNS OMITTED).

3. THE 32D AIR DIVISION WILL ORGANIZE THE SYRACUSE AND BRUNSWICK DIRECTION CENTER.

- A. THESE EVENTS WILL OCCUR AT AN INTERVAL OF 2 MONTHS STARTING 1 SEP 57.
- B. AS THESE SUBSECTORS COME INTO OPERATION, LIKE PORTIONS OF THE MANUAL SYSTEM ARE PHASED OUT.
- C. THE 32D AIR DIVISION WILL OPERATE A MANUAL SYSTEM UNTIL 1 DEC 57.
- D. TRAINING AND SELECTION OF PERSONNEL WILL BEGIN 1 AUG 56
- E. TOTAL PERSONNEL REQUIRED TO OPERATE 2 SAGES WINGS ARE APPROXIMATELY 2,474 SPACES (FTR GPs & SQDN OMITTED).

INCL #1⁴

55790

0675

COPYCOPY

Hq 32d Air Div (DEF) OPR SUBJECT: "SAGES CHANGE OVER" (CONT'D)

F. PROGRAMMED PERSONNEL AT SYRACUSE AIR FORCE STATION ARE 4TH QUARTER 56 - 581, 1ST QUARTER 57 - 1,058, 2ND, 3RD AND 4TH QUARTER 57 - 1,409, 1ST QUARTER 58 - 1,053. THE INCREASE OF PERSONNEL IS A DIRECT RESULT OF MOVING THE SECOND DIVISION HEADQUARTERS TO SYRACUSE AIR FORCE STATION.

4. ONE DIVISION WILL OPERATE THE ENTIRE SECTOR WHEN COMPLETED
5. TWO DIVISION HEADQUARTERS WILL BE LOACED AT SYRACUSE FOR 16 MONTHS.
6. CLOSE COORDINATION WILL BE REQUIRED BETWEEN THE TWO DIVISION HEADQUARTERS AS MANY PROBLEM AREAS WILL OVERLAP.
7. AIR DEFENSE RESPONSIBILITY WILL CONTINUE THROUGHOUT THE CHANGE OVER.
8. PERSONNEL, LOGISTIC AND ADMINISTRATION PROBLEMS OF EACH DIVISION WILL BE SIMILAR IN SCOPE AND MAGNITUDE THROUGHOUT THE PROGRAM.
9. THE 26TH AIR DIVISION (DEFENSE) ENCOMPASSING APPROXIMATELY 106,341 SQUARE MILES AND SOME 21,647,967 PEOPLE. ITS GROUND OBSERVE SQUADRON (4670TH GOS) AS OF 31 AUG 55 REQUIRED 8 FILTER CENTERS AND 1,631 GROUND OBSERVER POST. OF THIS REQUIREMENT 100% OF THE FILTER CENTERS ARE IN OPERATION. 87% OF THE GROUND OBSERVER POST ARE ORGANIZED, WITH 73% ACTIVE ON CALL WHILE 11% ARE ACTIVE 24 HOURS PER DAY.
10. THE 32D AIR DIVISION (DEFENSE) ENCOMPASSING APPROXIMATELY 100,385 SQUARE MILES AND SOME 18,565,369 PEOPLE. ITS GROUND OBSERVER SQUADRON (4673D GOS) AS OF 31 AUG 55 REQUIRED 5 FILTER CENTER AND 1,089 GROUND OBSERVER POST. OF THIS REQUIREMENT 100% OF THE FILTER CENTERS ARE IN OPERATION. 91% OF THE GROUND OBSERVER POST ARE ORGANIZED, WITH 79% ACTIVE ON CALL WHILE 11% ARE ACTIVE 24 HOURS PER DAY.
11. SYRACUSE AIR FORCE STATION WILL BE CAPABLE OF HOUSING APPROXIMATELY 1000 PERSONNEL.
12. HOUSING WILL BE REQUIRED FOR 1,409 PERSONNEL AT PEAK DURING 16 MONTH DUAL HEADQUARTERS PERIOD.
13. ADMINISTRATION AREA WILL BE REQUIRED FOR 2ND HEADQUARTERS DURING THE 16 MONTH PEROD.
14. OFF BASE HOUSING FOR MARRIED OFFICERS AND AIRMEN WILL BE REQUIRED DURING THE 16 MONTH PERIOD.

COPY

SECRET

COPY

Hq 32d Air Div (DEF) OPR SUBJECT: "SAGES CHANGE OVER" (CONT'D)

15. SYRACUSE IS A CRITICAL HOUSING AREA.

DISCUSSION:

16. THE 26TH AND 32D AIR DIVISIONS ARE IN FACT BEING COMBINED TO DO THE JOB OF CONVERTING THE NORTHEAST PORTION OF THE UNITED STATES TO THE SAGE SYSTEM. THE END RESULT BEING THAT ONE DIVISION WILL REPLACE THE TWO NOW IN EXISTENCE. TO APPROACH THIS PROBLEM AS OBJECTIVELY AS IS POSSIBLE ONE FACTOR IS BEING CONSIDERED. THAT IS: WHAT ARE THE RELATIVE ADVANTAGES OF ONE DIVISION HEADQUARTERS OPERATING THE SECTOR DURING CONVERSION TO SAGES AND DESIGNATING THIS DIVISION AS THE 32D AIR DIVISION.

A. ADVANTAGES:

- (1) ONE HEADQUARTERS WILL RESULT IN A SAVING OF PERSONNEL AND EQUIPMENT.
- (2) ABOLISH COORDINATION REQUIRED BETWEEN THE TWO COMMANDERS.
- (3) PROVIDE THE "WHOLE POOL" OF PERSONNEL RATHER THAN ON A PART-A-TIME BASIS.
- (4) ENABLE THE COMMANDER TO SHIFT PERSONNEL IN ORDER TO BEST OPERATE THE MANUAL SYSTEMS AND PROVIDE PERSONNEL FOR ADVANCE SAGE SCHOOLING.
- (5) ENABLE THE COMMANDER TO SUPERVISE THE ORGANIZATION OF THE ENTIRE SECTOR RATHER THAN ONLY A PORTION AT A TIME.
- (6) TENDS TO PROMOTE A MORE EFFICIENT CHANGE OVER AS THE ACTION AGENCIES WILL HAVE TO "LIVE WITH" THE FINISHED PRODUCT.
- (7) TENDS TO REDUCE CONFUSION, IN THAT IT WOULD PROVIDE A DEFINITE CLEAVAGE OF COMMAND.
- (8) DUE TO EXPERIENCE GAINED IN THE FIRST DIRECTION CENTER EACH SUBSEQUENT CHANGE OVER SHOULD IMPROVE THE 6TH, RATHER THAN DROPPING AT 4 AND STARTING ANEW.
- (9) CENTRALIZE PROBLEM AREAS.
- (10) CENTRALIZE THE ENTIRE SECTOR AIR DEFENSE RESPONSIBILITY.

SECRET

55332

0677

COPY

SECRET

COPY

Hq 32d Air Div (Def) OPR SUBJECT: "SAGES CHANGE OVER" (CONT'D)

- (11) THE 32D AIR DIVISION IS "ON THE SPOT" TO STAFF SUPERVISE THE BASIS BUILDING PROGRAM.
- (12) REQUIRE ONLY ONE MOVEMENT OF A HEADQUARTERS, I.E.: ROSLYN TO FT KNOX.
- (13) MAKES THE OUTGOING DIVISION AVAILABLE TO FT KNOX AT AN EARLIER DATE.
- (14) REQUIRES LESS READJUSTMENT OF CIVILIAN POPULATION TO A NEW NAME IN AIR DEFENSE.
- (15) WILL REDUCE OVER CROWDING OF THIS FACILITY BY AN ESTIMATE 356 NON-PROGRAMMED FOR PERSONNEL. (PRESENT HOUSING IS FOR 437, PEAK REQUIREMENT FOR 1,409, LEVEL OFF PROGRAMMED FOR 1,053)
- (16) WILL REDUCE OVER LOADING OF ADMINISTRATION WORK AREAS DURING THE DUAL HEADQUARTERS PERIOD.
- (17) WILL ELIMINATE MANY POSSIBLE "CRASH PROGRAM", WHICH WOULD BE NECESSARY TO HOUSE, SUPPORT, AND OTHERWISE ADMINISTER TWO DIVISION HEADQUARTERS.

B. DISADVANTAGES:

- (1) PLACES MANY MAJOR TARGETS ON ONE MAN'S SHOULDERS DURING A CRITICAL CHANGE-OVER PERIOD.
- (2) CAUSES A GREAT WORK LOAD OF PIONEERING A NEW SYSTEM AND OPERATING HIS OWN ESTABLISHED SYSTEM WHILE ACCEPTING SOMEONE ELSE'S ESTABLISHED SYSTEM WHICH MAY OR MAY NOT BE COMPATIBLE TO HIS PRESENT ORGANIZATION.
- (3) CAUSE BUDGETARY UPSET IN REDUCING A DIVISION THAT HAD PREVIOUSLY BEEN BUDGETED FOR FULL STRENGTH.
- (4) CREATES AN EXTREME DRAIN ON THE ABILITY OF THE STAFF TO MAINTAIN CONTINUITY OF OPERATION THROUGH THE MID PORTION OF THE PROGRAM. (SEE CHART ATTACHED)
- (5) UNLESS ONE DIVISION HEADQUARTERS IS ABOLISHED PRIOR TO 1 MAR 57 PERSONNEL REQUIREMENTS FOR ADVANCE TRAINING WILL NOT BE COMPATIBLE TO COMMAND STRUCTURE

SECRET 4

553862

0678

COPY

SECRET

COPY

Hq 32d Air Div (DEF) OPR SUBJECT: "SAGES Change Over" (CONT'D)

- (6) REORGANIZATION OF PERSONNEL AND OPERATIONS WOULD MOST LIKELY BE REQUIRED BY THE ABSORBED DIVISION IN ORDER TO CONFORM TO THE CONCEPTS OF OPERATION OF THE NEW DIVISION.

17. A CAREFUL EXAMINATION OF THE ADVANTAGES AND DISADVANTAGES LEAVES NO DOUBT THAT SAVINGS IN PERSONNEL, EQUIPMENT AND ESPECIALLY COORDINATION WOULD BE THE RESULT OF HAVING ONE DIVISION DO THE ENTIRE JOB. HOWEVER, THE BIGGEST STUMBLING BLOCK, IS THE WORK LOAD DURING THE MID PERIOD OF THE CHANGE OVER. THE PATTERN OF ACTIVITY STARTS VERY SLOWLY AT FIRST AND INCREASES TO A PEAK WITH THE ACTIVATION OF THE 26TH COMBAT CENTER AND SUBSEQUENTLY FALLS OFF TO ROUTINE WITH THE ACTIVATION OF BRUNSWICK DIRECTION CENTER. (SEE CHART ATTACHED) IT IS ASSUMED THAT IF THIS RESPONSIBILITY WERE PLACED ON ONE DIVISION, THIS DIVISION WOULD BE AUGMENTED BY THE STAFF PERSONNEL OF THE OUTGOING ORGANIZATION AND THEREFORE WOULD BE ABLE TO DO THE JOB. THE SAVING IN COORDINATION, THE EVER INCREASING EFFICIENCY IN CHANGING OVER ALL DIRECTION CENTERS BY ONE ORGANIZATION SHOULD BE THE DESIRABLE RESULT AND AS SUCH, OUT WEIGHT ALL OTHER CONSIDERATIONS.

18. SYRACUSE AIR FORCE STATION IS PROGRAMMED FOR SUFFICIENT BARRACKS TO HOUSE AN APPROXIMATE BASE POPULATION OF 1100 PERSONNEL. ANY INCREASE IN THIS NUMBER WILL OVER LOAD MEDICAL, MESS AND ADMINISTRATIVE FACILITIES. THE CITY OF SYRACUSE AND ITS ADJACENT COMMUNITIES HAVE BEEN DECLARED CRITICAL HOUSING AREAS. RENTAL PROPERTY IS AT AN ALL TIME HIGH WITH VERY FEW UNITS AVAILABLE AND THEN AT RENTS RANGING FROM \$100.00 PER MONTH UP. THE ELIMINATION OF THE DUAL HEADQUARTERS AT SYRACUSE FOR THE 16 MONTH PERIOD WILL IN ITSELF DO AWAY WITH MANY OF THE DUPLICATED POSITIONS AND ACTIVITIES WHICH WOULD EXIST WITH THE DUAL HEADQUARTERS. THIS SHOULD HOLD THE PEAK POPULATION TO THE 1100 FOR WHICH IT IS PROGRAMMED TO SUPPORT. THE SAVING TO OFF BASE HOUSED PERSONNEL WILL RESULT NOT IN A DIRECT SAVINGS TO THE AIR FORCE, BUT WILL WITHOUT DOUBT BE REFLECTED IN EFFICIENCY OF OPERATIONS BY THOSE WHO ARE ASSIGNED.

19. BOTH AIR DIVISIONS HAVE ESTABLISHED A COMPREHENSIVE PROGRAM AIMED AT DEVELOPING CIVILIAN CONFIDENCE IN AIR DEFENSE. THIS CONFIDENCE HAS TIME AND TIME AGAIN BEEN PROVEN BY CIVILIAN PARTICIPATION IN AIR DEFENSE EXERCISES. BOTH COMMANDERS ARE WELL KNOWN THROUGHOUT THEIR AREAS AND HAVE A HIGH PERSONAL STANDING AMONG THE CIVILIAN POPULATION. THE 32D POST ARE RURAL IN NATURE AND MANY WHOLE COMMUNITIES ARE INTERESTED VIA "FAMILY TIES." THE "NAME BRAND" OF AIR DEFENSE IN NEW ENGLAND IS: "32d Air Division."

SECRET

553862

0679

COPY

SECRET

COPY

Hq 32D Air Div (Def) OPR SUBJECT: "SAGES Change Over" (CONT'D)

CONCLUSIONS:

20. ONE DIVISION HEADQUARTERS PROPERLY AUGMENTED IS ADEQUATE TO OPERATE THE TWO MANUAL AND ONE SAGE SYSTEMS DURING THE CHANGE OVER, PROVIDING ACTION TO COMBINE IS TAKEN PRIOR TO FIRST TRAINING DATE, 1 FEB 56.

21. THE MOVEMENT OF A SECOND DIVISION HEADQUARTERS WILL CREATE AN EXTREME HARDSHIP ON BOTH THE BASE AND INDIVIDUALS ASSIGNED, DUE TO THE LIMITED ON/OFF BASE HOUSING AND ASSOCIATED FACILITIES AVAILABLE. ADMINISTRATIVE SPACE WILL BECOME EXTREMELY LIMITED AND MANY ACTIVITIES WILL EITHER BE CURTAILED OR HINDERED IN THEIR WORK SO THAT ONLY INEFFICIENT JOBS WILL BE THE RESULT.

22. THE 32D AIR DIVISION (DEFENSE) THROUGH ITS AGGRESSIVE GOC PROGRAM HAS DEVELOPED SUPERIOR PUBLIC SUPPORT OF THE AIR DEFENSE PROGRAM AND SHOULD CONTINUE AS THE "NAME BRAND" FOR THE NORTHEAST PORTION OF THE UNITED STATES.

RECOMMENDATION:

23. THE 32D AIR DIVISION (DEFENSE) BE GIVEN THE RESPONSIBILITY OF CHANGING OVER THE COMBINED 26TH AND 32D AIR DIVISION AREAS OF RESPONSIBILITY AND ITS DESIGNATION BE 32D AIR DIVISION.

24. THE 26TH AIR DIVISION (DEFENSE) BE RETAINED IN PLACE TO OPERATE THE MANUAL SYSTEM UNTIL 15 OCT 57 AND THEN BE MOVED TO FT KNOX.

1 ATTACHMENT
PROPOSED SCHEDULE OF
EVENTS-SAGE (5 CYS)

/s/ WARREN A HARMON
/t/ WARREN A HARMON
CAPTAIN, USAF
PROGRAM OFFICER

6

SECRET

553862

0680

COPY

SECRET

COPY

PROPOSED SCHEDULE OF EVENTS - SAGE SYSTEM

DATE

1 FEB 56 1. McGUIRE POWER AND REFRIGERATION PERSONNEL START TRAINING.
 1 APR 56 1. McGUIRE WING ACTIVATED.
 2. STEWART POWER AND REFRIGERATION PERSONNEL START TRAINING.
 1 JUN 56 1. 32D AD(D) COMBAT CENTER POWER AND REFRIGERATION PERSONNEL
 START TRAINING.
 2. STEWART WING ACTIVATED.
 1 JUL 56 1. INSTALL McGUIRE COMPUTER.
 2. STEWART INSTALLATION PERSONNEL START TRAINING.
 1 AUG 56 1. 32D AD(D) (DET #1) ACTIVATED.
 2. SYRACUSE POWER AND REFRIGERATION PERSONNEL START TRAINING
 1 SEP 56 1. McGUIRE INSTALLATION PERSONNEL START TRAINING.
 2. INSTALL STEWART COMPUTER.
 15 SEP 56 1. FT LEE POWER AND REFRIGERATION PERSONNEL START TRAINING.
 1 OCT 56 1. SYRACUSE WING ACTIVATES.
 15 OCT 56 1. McGUIRE OPERATION PERSONNEL START TRAINING.
 1 NOV 56 1. INSTALL 32D AD(D) COMBAT CENTER COMPUTER.
 2. BRUNSWICK POWER AND REFRIGERATION PERSONNEL START TRAINING
 15 NOV 56 1. FT LEE WING ACTIVATES.
 15 DEC 56 1. STEWART OPERATION PERSONNEL START TRAINING.
 1 JAN 57 1. 32D AD(D) (DET #1) INSTALLATION PERSONNEL START TRAINING.
 2. INSTALL SYRACUSE COMPUTER.
 3. BRUNSWICK WING ACTIVATES.
 15 FEB 57 1. INSTALL FT LEE COMPUTER.
 2. 32D AD(D) (DET #1) OPERATION PERSONNEL START TRAINING.
 1 MAR 57 1. McGUIRE WING OPERATIONAL REPORTING TO EADF.
 2. SYRACUSE INSTALLATION PERSONNEL START TRAINING.
 3. 26TH AD (ROSLYN) OPERATES MANUAL SYSTEM.
 1 APR 57 1. INSTALL BRUNSWICK COMPUTER.
 15 APR 57 1. FT LEE INSTALLATION PERSONNEL START TRAINING.
 2. SYRACUSE OPERATIONS PERSONNEL START TRAINING.
 1 MAY 57 1. STEWART WING OPERATIONAL REPORT TO EADF.
 1 JUN 57 1. FT LEE OPERATIONS PERSONNEL START TRAINING.
 2. BRUNSWICK INSTALLATION PERSONNEL START TRAINING.
 1 JUL 57 1. 32D AD(D) (DET #1) CC OPERATIONAL WITH McGUIRE AND STEWART
 REPORTING.
 2. 32D AD(D) (DET #1) REPORT TO EADF.
 3. BRUNSWICK OPERATIONS PERSONNEL START TRAINING.
 1 SEP 57 1. SYRACUSE D.C. OPERATIONAL REPORTS TO 32D AD(D) (DET #1).
 2. 32D AD(D) OPERATES MANUAL SYSTEM.
 3. 26TH AD (ROSLYN) CONTINUES MANUAL OPERATION.
 15 OCT 57 1. FT LEE OPERATIONAL REPORTS TO 32D AD(D) (DET #1).
 2. 26TH AD (ROSLYN) MOVES TO FT KNOX.
 1 DEC 57 1. BRUNSWICK OPERATIONAL.
 2. 32D AD(D) (DET #1) INACTIVATES.

THIS PROGRAM OF EVENTS IS BASED ON THE PLAN FOR McGUIRE, MAKING THE ASSUMPTION THAT THE TIME INTERVAL BETWEEN EVENTS WILL REMAIN CONSTANT THROUGHOUT THE PROGRAM.

ATTACHMENT #1

0681

COPY

SECRET

COPY

HEADQUARTERS
EASTERN AIR DEFENSE FORCE
STEWART AIR FORCE BASE, NEWBURGH, N.Y.

EAOCE-CW

9 August 1955

SUBJECT: (UNCLASSIFIED) IMPLEMENTATION OF THE SAGE SYSTEM IN
EADF AREA OF RESPONSIBILITY

TO: COMMANDERS, AIR DIVISIONS (DEFENSE)

1. THIS HEADQUARTERS IS NOW ACTIVELY ENGAGED IN THE IMPLEMENTATION PHASE OF THE SAGE SYSTEM IN THE EADF AREA OF RESPONSIBILITY. IN ORDER TO MOST EFFECTIVELY COORDINATE AND PLAN THE MANY DETAILED ACTIONS INHERENT IN THIS PHASE OF SAGE, IT IS ANTICIPATED THAT MUCH OF THE RESPONSIBILITY FOR PRELIMINARY DETERMINATIONS OF SITING FACTORS WILL BE DELEGATED TO LOWER ECHELONS. IT IS NOT THE PURPOSE OF THIS LETTER TO DELEGATE THIS RESPONSIBILITY, BUT TO OUTLINE IN AS CONCISE A MANNER AS POSSIBLE THE PROBLEMS ENCOUNTERED AND THE EXPLORATORY DISCUSSIONS ALREADY ENTERED INTO BY THIS HEADQUARTERS WITH THE AGENCIES OF PRIMARY RESPONSIBILITY.

2. SOLUTION OF THE PROBLEMS OF SAGE IMPLEMENTATION ARE DEPENDENT UPON AN UNDERSTANDING OF THE FUNDAMENTAL CONCEPTS OF THE SYSTEM. ALTHOUGH DETAILED EXPLANATIONS OF THE SAGE SYSTEM AND ITS COMPONENT ELEMENTS ARE AVAILABLE IN THE OPERATIONAL PLAN, SEMIAUTOMATIC GROUND ENVIRONMENT SYSTEM FOR AIR DEFENSE, 7 MARCH 1955, PREPARED BY HEADQUARTERS, AIR DEFENSE COMMAND, AND IN NUMEROUS REPORTS DISSEMINATED BY CONTRACT AGENCIES, IT IS REALIZED THAT MUCH, IF NOT ALL, OF THIS MATERIAL IS NOT YET AVAILABLE TO SUBORDINATE UNITS. FOR THIS REASON, A COMPARATIVELY BRIEF RESUME FOLLOWS TO AID IN VISUALIZING SAGE PLANNING.

A. BY DEFINITION THE SAGE SYSTEM IS THAT PORTION OF THE AIR DEFENSE SYSTEM THAT PROVIDES THE MEANS FOR THE SEMIAUTOMATIC PROCESSING OF DATA, AND WEAPON CONTROL. THE ESSENTIAL COMPONENTS OF THE SAGE SYSTEM INCLUDE THE FSQ-7 COMPUTER, THE FST-2 COORDINATE DATA TRANSMITTING SET, AND COMMUNICATIONS CIRCUITS BOTH INTERNAL AND EXTERNAL. THE FSQ-7 COMBAT DIRECTION CENTER IS THE HEART OF THE SYSTEM. THIS IS A HIGH SPEED GENERAL PURPOSE DIGITAL COMPUTER WHICH RECEIVES AND PROCESSES AIR SURVEILLANCE INFORMATION, PRESENTS SUITABLE DISPLAYS, AND, AS DIRECTED, WILL GENERATE GUIDANCE INSTRUCTIONS OR INFORMATION TO WEAPONS, AGENCIES OR COMMANDS. THE EQUIPMENT CONSISTS OF (1) A DUPLEX ARRANGEMENT OF SEPARATE AND IDENTICAL COMPUTERS HAVING A COMMON INPUT AND OUTPUT AND (2) THE NECESSARY DISPLAY EQUIPMENT.

SECRET

43

553210

0682

COPY

SECRET

COPY

EADCE-CW, SUBJ: (UNCL) IMPLEMENTATION OF THE SAGE SYSTEM IN EADF
AREA OF RESPONSIBILITY (CONT'D)

AIR DIVISION COMBAT CENTERS WILL NOT USE THE FSQ-7 BUT WILL USE THE FSQ-8 WHICH DIFFERS ONLY IN THE NUMBER AND ARRANGEMENT OF DISPLAY EQUIPMENTS, AND THE NUMBER AND KIND OF INPUTS AND OUTPUTS. THE COORDINATE DATA TRANSMITTING SET FST-2 INCLUDES WHAT ARE COMMONLY KNOWN AS DDT (DIGITAL DATA TRANSMITTER) AND DDR (DIGITAL DATA RECEIVER). THIS EQUIPMENT USES THE FINE GRAIN DATA TECHNIQUE BY TRANSFORMING PULSE TYPE SIGNALS INTO AUDIO FOR TRANSMISSION OVER A CIRCUIT, THEN TRANSFORMING THE RECEIVED AUDIO BACK INTO PULSE SIGNALS FOR USE WITHIN THE COMPUTER AND DISPLAY EQUIPMENT. EXTENSIVE COMMUNICATIONS CIRCUITS ARE OF COURSE NECESSARY TO TIE THE SYSTEM TOGETHER, BOTH WITHIN THE DIRECTION CENTER, AND BETWEEN THE INFORMATION SOURCES AND THE DIRECTION CENTER. EXTERNAL CIRCUITS WRE REQUIRED FOR DATA TRANSMISSION, VOICE, TELETYPE AND KEYING. THESE CIRCUITS WILL BE LEASED FROM THE TELEPHONE COMPANIES AND WILL TOTAL 500-900 PER SUBSECTOR. THE CIRCUITS FOR THE STEWART DIRECTION CENTER ALONE WILL COST ON THE ORDER OF 6 MILLION DOLLARS PER YEAR WITH A 12 MILLION DOLLAR TERMINATION CHARGE.

B. IN ADDITION TO THE SAGE EQUIPMENT AND FACILITIES JUST DESCRIBED, THERE ARE CERTAIN ANCILLARY EQUIPMENTS REQUIRED TO MAKE THE SYSTEM COMPLETE. THESE ARE THE EQUIPMENTS USED AS DATA GATHERING SOURCES FOR INPUT TO THE FSQ-7 AND FACILITIES USING THE OUTPUT OF THE FSQ-7. ANCILLARY EQUIPMENTS INCLUDE SEARCH, GAP FILLER AND HEIGHT RADARS, AS WELL AS GROUND/AIR DATA LINKS. THEY CAN BE EITHER THOSE EQUIPMENTS USED AS A PART OF THE MANUAL SYSTEM, OR THOSE INCLUDED IN CURRENT IMPROVEMENT PROGRAMS. THE ONLY CRITICAL FACTOR IS COMPATIBILITY WITH SAGE EQUIPMENTS. THAT FACTOR IS A CURRENT PROBLEM IN SOME INSTANCES.

C. THE AGENCIES OF PRIMARY RESPONSIBILITY IN SAGE ARE AIR RESEARCH AND DEVELOPMENT COMMAND, WESTERN ELECTRIC ADES, AIR MATERIEL COMMAND, JOINT PROJECT OFFICE, AIR DEFENSE COMMAND AND EASTERN AIR DEFENSE FORCE.

- (1) AIR RESEARCH & DEVELOPMENT COMMAND, THROUGH LINCOLN LABORATORIES AND THE CAMBRIDGE RESEARCH CENTER, IS RESPONSIBLE FOR THE RESEARCH, DEVELOPMENT AND ISSUANCE OF DESIGN SPECIFICATIONS FOR SAGE COMPONENTS, AS WELL AS THE PERFORMANCE OF SYSTEMS EVALUATION, TESTS, DEVELOPMENT OF OPERATIONAL PROCEDURES AND THE TRAINING OF OPERATORS FOR THE EXPERIMENTAL SUBSECTOR NORMALLY REFERRED TO AS XD-1.

SECRET

0683

COPY

SECRET

COPY

EAOCE-CW, SUBJ: (UNCL) IMPLEMENTATION OF THE SAGE SYSTEM IN EADF
AREA OF RESPONSIBILITY (CONT'D)

- (2) WESTERN ELECTRIC ADES IS RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF BUILDINGS AND RELATED FACILITIES AS WELL AS ALL SCHEDULING FOR THE INSTALLATION AND TESTING OF THE SAGE EQUIPMENTS.
- (3) AIR MATERIEL COMMAND IS RESPONSIBLE FOR THE ACCOMPLISHMENT OF ENGINEERING-INSTALLATION FUNCTION FOR ANCILLARY EQUIPMENTS IN ACCORDANCE WITH AF REGULATION 100-46.
- (4) THE JOINT PROJECT OFFICE AT 220 CHURCH STREET, OR ELECTRONIC SYSTEM ENGINEERING DIVISION AS IT IS NOW NAMED, SERVES AS THE AIR FORCE POINT OF CONTACT WITH WESTERN ELECTRIC ADES AND PROVIDES GENERAL MANAGEMENT OVER THE PROGRAM FOR HEADQUARTERS, USAF.
- (5) HEADQUARTERS, AIR DEFENSE COMMAND IS RESPONSIBLE FOR THE PROVISION OF OPERATIONAL REQUIREMENTS, PREPARATION OF OPERATIONAL PLANS, PERFORMING LIAISON WITH THE LINCOLN LABORATORIES AND THE JOINT PROJECT OFFICE, ISSUANCE OF INSTALLATION ORDERS TO THE TELEPHONE COMPANIES, MONITORING THE EVALUATION AND TEST OF THE EXPERIMENTAL SUBSECTOR, AND TAKING MAJOR AIR COMMAND ACTIONS ON ANCILLARY EQUIPMENTS IN ACCORDANCE WITH AF REGULATION 100-46. AT THE SAME TIME, AIR DEFENSE COMMAND IS RESPONSIBLE FOR INSURING THE EFFECTIVENESS OF THE AIR DEFENSE SYSTEM THROUGHOUT THE TRANSITION PERIOD.
- (6) THIS HEADQUARTERS HAS BEEN ASSIGNED NO RESPONSIBILITY AS REGARDS SAGE EQUIPMENTS OR INSTALLATIONS, BUT IS RESPONSIBLE FOR PROGRAMMING ANCILLARY EQUIPMENT AND, AFTER APPROVAL BY HEADQUARTERS, USAF, THE PREPARATION OF OPERATIONAL PLANS AND OTHER DUTIES AS OUTLINED IN AF REGULATION 100-46 AND ADC REGULATION 100-20. IN ADDITION, THIS COMMAND MUST PERFORM COORDINATION WITH THE TELEPHONE COMPANIES IN REGARD TO ADDITIONAL COMMUNICATION FACILITIES REQUIRED AT PRESENT DIRECTION CENTERS TO SUPPORT SAGE OPERATIONS. THE MOST IMPORTANT OF THE ANCILLARY EQUIPMENTS REQUIRED TO SUPPORT THE SAGE SYSTEMS ARE THOSE PROVIDING AIR SURVEILLANCE AND TRACKING INFORMATION, AND THOSE REQUIRED FOR THE CONTROL OF THE INTERCEPTOR AIRCRAFT.

SECRET

553210

0684

COPY**SECRET**COPY

EAOCE-OW, SUBJ: (UNCL) IMPLEMENTATION OF THE SAGE SYSTEM IN EADF AREA OF RESPONSIBILITY (CONT'D)

D. THE CURRENT RADAR IMPROVEMENT PROGRAM WILL PROVIDE THE NECESSARY AIR SURVEILLANCE AND TRACKING FACILITIES TO SUPPORT THE SAGE SYSTEM. THESE FACILITIES WILL PERMIT RADAR COVERAGE AGAINST B-47 TYPE AIRCRAFT UP TO ALTITUDES OF 100,000 FEET THROUGHOUT THE EADF SYSTEM. THIS COVERAGE WILL CONSIST OF THREE LAYERS. FPS-14 RADARS TO BE INSTALLED AT GAP FILLER STATIONS WILL GIVE US COVERAGE FROM 500 TO 5,000 FEET. THE GPA-27 RADAR WILL PROVIDE COVERAGE FROM 5,000 TO 65,000 FEET, AND THE FPS-7 FROM 65,000 TO 100,000 AND PERHAPS BEYOND. THE FPS-14 GAP FILLER RADAR IS A MODIFIED VERSION OF THE CPN-18 GCA. THE GPA-27 IS A MODIFICATION OF THE FPS-3 AND WILL BE REDESIGNATED THE FPS-20. THE FPS-7 IS NOW UNDER DEVELOPMENT BY GENERAL ELECTRIC AND IS A 10 MEGAWATT RADAR USING SEVEN STACKED BEAMS FOR SEARCH AND TRACKING. THIS RADAR HAS BEEN ACCEPTED BY THE AIR FORCE WITHOUT A HEIGHT FINDING CAPABILITY SINCE THE HEIGHT FINDER IS NOT ACCEPTABLE AT THIS TIME. HOWEVER, IF AND WHEN GENERAL ELECTRIC CAN ENGINEER A SUITABLE SYSTEM OF HEIGHT FINDING WITHIN THE RADAR, THAT ALSO WILL BE ACCEPTED. ALL RF COMPONENTS OF THESE RADAR EQUIPMENTS WILL BE DUAL CHANNEL. NO FINAL OFFICIAL DECISION HAS BEEN REACHED AT THIS TIME, BUT IN VIEW OF THIS DUAL CHANNEL SYSTEM, BACKUP RADARS NOW PROGRAMMED FOR INSTALLATION MAY BE DELETED FROM THE SYSTEM. AIR MATERIEL COMMAND HAS PROPOSED THE INSTALLATION OF SINGLE CHANNEL EQUIPMENT DURING THE FIRST STAGE OF THE IMPROVEMENT PROGRAM AND THEN AT A LATER DATE INSTALL A SECOND CHANNEL WHICH WILL COMPLETE THE DUAL SYSTEM. HEADQUARTERS, ADC HAS NOT ACCEPTED THIS PROPOSAL AS THE SAGE SYSTEM IS NOT COMPATIBLE WITH SINGLE CHANNEL OPERATION. FINAL DECISION REGARDING AMC PROPOSAL AND THE USE OF BACKUP RADARS WILL BE FORTHCOMING IN THE NEAR FUTURE.

E. NO RADAR STATIONS, IN ADDITION TO THOSE NOW IN BEING, OR PRESENTLY PROGRAMMED, WILL BE ADDED TO THE SYSTEM. SINCE THE AN/CPS-6B IS NOT COMPATIBLE FOR OPERATION WITH SAGE IT WILL BE EVENTUALLY PHASED OUT OF THE DEFENSE SYSTEM. PRESENT PLANNING IS THAT 8 OF OUR EXISTING 12 CPS-6B'S WILL BE REPLACED BY FPS-7'S AND 5 MORE WILL BE INSTALLED AT SITES HAVING OTHER RADARS. FPS-7 RADARS WILL BE SITED TO OVERLAP EACH OTHER BY 50 MILES WITH A MINIMUM OF ONE SUCH EQUIPMENT WITHIN EACH SAGE SUBSECTOR. INSTALLATION OF THE FPS-7'S WILL BEGIN DURING MID 1957 WITH HIGHLANDS, N.J. RECEIVING THE FIRST EQUIPMENT. SINCE THE PHASING OF THESE EQUIPMENTS IS DESIGNED TO COINCIDE WITH THE IMPLEMENTATION OF THE SAGE SYSTEM, THE FIRST 7 FPS-7'S TO BE INSTALLED WITHIN THE UNITED STATES WILL BE INSTALLED IN THE EADF AREA.

F. FOURTEEN (14) GPA-27'S WILL BE INSTALLED IN EADF AND 2 WILL BE INSTALLED AT EADF OPERATED SITES IN CANADA. INSTALLATION OF THE GPA-27'S WILL BEGIN AT PALERMO, N.J. DURING THE SPRING OF 1956, AND THE FIRST 12 SUCH EQUIPMENTS AVAILABLE FOR INSTALLATION WILL ALL GO INTO THE EADF AREA BETWEEN MAY 1956 AND SEPTEMBER OF THAT YEAR.

4
0685

COPY

SECRET

COPY

EAOCE-CW, SUBJ: (UNCL) IMPLEMENTATION OF THE SAGE SYSTEM IN EADF AREA OF RESPONSIBILITY (CONT'D)

G. AS FOR THE CONTROL OF AIRCRAFT, FACILITIES MUST PROVIDE SOLID GROUND/AIR COVERAGE AT 5,000 FEET THROUGHOUT A SUBSECTOR AREA. BOTH DATA LINK AND VOICE EQUIPMENT ARE REQUIRED. DATA LINK WILL BE REQUIRED FOR THE DIRECTION OF ADC FIGHTERS. SINCE DATA LINK IS A ONE WAY AFFAIR, A VOICE FACILITY IS REQUIRED FOR TRANSMISSIONS FROM AIR TO GROUND, AS WELL AS FOR THE DIRECTION OF AUGMENTATION FIGHTERS NOT EQUIPPED WITH DATA LINK.

H. THE MINIMUM NUMBER OF GROUND STATIONS THAT WILL PROVIDE SOLID GROUND/AIR 5,000 FOOT COVERAGE WILL BE INSTALLED IN EACH SUBSECTOR. EACH STATION WILL HAVE 22 TRANSMITTERS OPERATING ON 22 COMMON FREQUENCIES.

I. FOR DATA LINK TRANSMISSION PURPOSES, ALL GROUND-AIR UHF TRANSMITTERS OPERATING ON A GIVEN FREQUENCY IN A SUBSECTOR WILL BE REMOTELY OPERATED SIMULTANEOUSLY BY A DIRECTOR IN THE DIRECTION CENTER TO WHOM THAT FREQUENCY HAS BEEN ASSIGNED. THIS MODE OF TRANSMISSION WILL MINIMIZE THE EFFECTS OF ECM BY TRANSMITTING DATA FROM AS CLOSE TO THE AIRCRAFT AS POSSIBLE.

J. IN THE CASE OF VOICE TRANSMISSIONS, ALL STATIONS WILL USE COMMON FREQUENCIES BUT ONLY ONE SUCH STATION WILL BE KEYED AT A TIME. EACH INTERCEPT DIRECTOR WILL HAVE ASSIGNED TO HIM ONE SPECIFIC FREQUENCY FOR HIS SOLE USE AND HE WILL REMOTELY ACTIVATE THIS FREQUENCY AT THE STATION NEAREST THE CONTROLLED AIRCRAFT. AT NO TIME WILL THE SAME FREQUENCY BE ACTIVATED AT MORE THAN ONE SITE. SUCH A METHOD WILL PERMIT THE INTERCEPTOR TO BE CONTROLLED AT ANY POINT WITHIN THE SUB-SECTOR WITHOUT THE NECESSITY OF CHANGING CHANNELS WHEN PASSING FROM THE AREA OF ONE GROUND RADIO STATION TO ANOTHER.

3. THE LARGE NUMBER OF AGENCIES INVOLVED IN SAGE PLANNING TODAY MAKES IT IMPERATIVE THAT CLOSE COORDINATION BE MAINTAINED TO INSURE PROPER TIME PHASING OF ALL ACTIONS, AND MORE IMPORTANT, TO INSURE COMPATIBILITY OF ALL EQUIPMENTS PROGRAMMED.

A. AS MENTIONED IN PARAGRAPH 2c(3) ABOVE, AMC IS RESPONSIBLE FOR THE ENGINEERING AND INSTALLATION OF ANCILLARY EQUIPMENTS. IN AN EFFORT TO INSURE NOT ONLY THAT THESE EQUIPMENTS ARE INSTALLED BY THE TIME THEY ARE NEEDED BY SAGE, BUT ALSO THAT THEY ARE PROPERLY ENGINEERED AND INSTALLED, A COORDINATING COMMITTEE HAS BEEN FORMED. THIS COMMITTEE IS DESIGNATED AS A MIDDLETOWN INSTALLATION-ENGINEERING PHASING COMMITTEE AND IS COMPOSED OF REPRESENTATIVES OF MIDDLETOWN AIR MATERIEL AREA, WESTERN ELECTRIC ADES, LINCOLN LABORATORIES, CAMBRIDGE RESEARCH CENTER, JOINT PROJECT OFFICE, ROME AIR FORCE DEPOT, HEADQUARTERS AIR RESEARCH & DEVELOPMENT COMMAND AND EASTERN AIR DEFENSE FORCE. SITTING ON THE COMMITTEE AS AN OBSERVER IS WARNER ROBINS AIR MATERIEL AREA

0686

55210

COPY

SECRET

COPY

EAOCE-OW, SUBJ: (UNCL) IMPLEMENTATION OF THE SAGE SYSTEM IN EADF AREA OF RESPONSIBILITY (CONT'D)

WHO WILL BE CHARGED WITH THE SAME RESPONSIBILITIES FOR THE FORT LEE, VA. SUBSECTOR THAT THE MIDDLETOWN AIR MATERIEL AREA NOW HAS FOR THE McGUIRE AND STEWART SUBSECTORS. THIS COMMITTEE MEETS ONCE MONTHLY TO COORDINATE ALL ACTIONS IN REGARD TO PLANNING FOR THE McGUIRE SUBSECTOR, AND TO SOLVE ANY PROBLEMS CAPABLE OF SOLUTION BY THE COMMANDS REPRESENTED. THIS HEADQUARTERS IS ON THIS COMMITTEE TO PROVIDE PROGRAMMING INFORMATION ON ANNCILLARY EQUIPMENTS, TO ACT AS AN INTERMEDIARY WITH ADC ON MATTERS OF POLICY, AND TO TAKE EADF ACTION ON ANY MATTERS REQUIRED PRIOR TO EQUIPMENT INSTALLATION. DETAILED ENGINEERING PROBLEMS ARE HANDLED FOR THE COMMITTEE BY 3 SUB-COMMITTEES COMPOSED OF REPRESENTATIVES OF EACH COMMAND SITTING AS MEMBERS OF THE PARENT PHASING COMMITTEE. THESE SUB-COMMITTEES ARE BROKEN DOWN INTO RADIO, WIRE AND RADAR AND MEET ONCE EVERY 2 WEEKS. MINUTES OF THESE SUB-COMMITTEE MEETINGS WITH APPROPRIATE RECOMMENDATIONS AS TO REQUIRED ACTIONS ARE REFERRED TO THE PHASING COMMITTEE FOR APPROVAL AND ACTION. THESE COMMITTEES HAVE NOW BEEN OPERATING ABOUT 2 MONTHS AND HAVE DISCLOSED NUMEROUS PROBLEMS, OR OTHERWISE QUESTIONABLE AREAS, BOTH AS TO PROGRAMMING AND EQUIPMENT CAPABILITIES.

B. Two (2) BELL OPERATING COMPANIES HAVE RECEIVED ORDERS FOR WIRE CIRCUITS TO SUPPORT THE McGUIRE SUBSECTOR. BOTH THE NEW JERSEY BELL AND NEW YORK BELL TELEPHONE COMPANIES ARE INVOLVED IN THE PROVISION OF THESE CIRCUITS AND THEIR ENGINEERS ARE NOW PREPARING PLANS FOR THE REQUIRED CONSTRUCTION. BOTH COMPANIES ARE WORKING CLOSELY WITH THIS HEADQUARTERS TO FIRM UP WORKING ARRANGEMENTS TO BE CONSUMATED SO THAT THE NECESSARY SERVICES CAN BE INSTALLED BY THE REQUIRED DATES. THE NEW YORK BELL TELEPHONE COMPANY PROPOSES THE ERECTION OF A MICROWAVE TOWER AND A 30X60 BUILDING AT MONTAUK FOR THE NEW CIRCUIT ROUTE TO MONTAUK TO SATISFY THE CIRCUIT DIVERSIFICATION REQUIREMENT LAID DOWN BY BASIC SAGE REQUIREMENTS. TENTATIVE APPROVAL HAS BEEN GIVEN FOR THE ERECTION OF THE 200 FOOT MICROWAVE TOWER. IF THE TOWER LOCATION PROVES TO BE SATISFACTORY, THIS HEADQUARTERS WILL DRAW UP CONTRACTUAL AGREEMENTS WITH THE TELEPHONE COMPANIES IN ACCORDANCE WITH GUIDANCE THAT HAS BEEN PROVIDED BY ADC.

C. THE NEW JERSEY BELL TELEPHONE COMPANY IS MAKING SIMILAR STUDIES AT PALERMO AND HIGHLANDS BUT DOES NOT PLAN THE USE OF MICROWAVE FOR THE DIVERSIFIED CIRCUIT, SO BUILDING SPACE IS THE ONLY REQUIREMENT FOR THE TELEPHONE COMPANY AT THOSE LOCATIONS.

D. GROUND/AIR RADIO SITES WITHIN THE FIRST TWO SUBSECTORS HAVE BEEN RECOMMENDED TO HQ ADC. THESE STATIONS ARE LOCATED AT McGUIRE, MONTAUK, PALERMO AND TEXAS TOWERS 3 AND 4 IN SUBSECTOR 1, AND AT STEWART, NORTH TRURO, SARATOGA SPRINGS AND TEXAS TOWER 1

SECRET

0687

COPY

SECRET

COPY

EAOCE-OW, SUBJ: (UNCL) IMPLEMENTATION OF THE SAGE SYSTEM IN EADF AREA OF RESPONSIBILITY (CONT'D)

AND 2 IN SUBSECTOR 2. THESE SITE SELECTIONS WERE MADE ON THE BASIS OF THEORETICAL COVERAGE CHARTS FOR UHF RADIO PROPAGATION. IN AN EFFORT TO CORRELATE THESE THEORETICAL COVERAGES WITH ACTUAL CALIBRATION COVERAGES, THIS HEADQUARTERS AND WESTERN ELECTRIC ADES PERFORMED A CALIBRATION OF UHF COVERAGE AT BENTON, PA. ACTUAL CALIBRATION INDICATED A CLOSE DEGREE OF CORRELATION WITH THE COVERAGE PREDICTED BY THEORETICAL METHODS. IF FURTHER STUDY OF THE RESULTS OF THIS CALIBRATION VERIFY THIS, IT WILL BE UNNECESSARY TO ACTUALLY CALIBRATE STATIONS CONCERNED PRIOR TO INSTALLATION OF EQUIPMENT AT PRESENTLY SELECTED SITES, OR SELECTION OF SITES IN SUBSEQUENT SUBSECTORS.

E. AS FOR THE STATUS OF SAGE COMPONENTS, 2 PROTOTYPE MODELS OF THE FSQ-7 COMPUTER ARE NOW BEING PRODUCED AT IBM. THE FIRST MODEL WILL BE DELIVERED TO LINCOLN LABORATORIES IN AUGUST FOR USE IN THE XD-1 TESTS AND THE SECOND WILL BE INSTALLED AT IBM.

4. XD-1 IS PRIMARILY AN EXPERIMENTAL SAGE SUBSECTOR FOR SYSTEM EVALUATION, TESTING, DEVELOPMENT OF OPERATIONAL PROCEDURES AND THE TRAINING OF OPERATORS FOR THE FIRST 4 OR 5 SUBSECTORS. THE AIR DEFENSE COMMAND HAS ASSIGNED THE 4620TH AIR DEFENSE WING TO LINCOLN LABORATORIES TO PROVIDE OPERATIONAL DOCTRINE AND REQUIREMENTS IN PREPARATION FOR THE TESTS, TO EVALUATE THE TESTS, AND TO INSURE THAT THEY ARE CONDUCTED IN CONSONANCE WITH THE ADC OPERATIONAL CONCEPT OF SAGE. MONTAUK, NORTH TRURO, BRUNSWICK, HIGHLANDS AND SCHUYLerville AND TEXAS TOWER 2, AS WELL AS OUR FIGHTERS AT OTIS AND SUFFOLK WILL BE INCLUDED AS PART OF THE XD-1 SYSTEM. THIS HEADQUARTERS IS NOW WORKING CLOSELY WITH LINCOLN LABORATORIES IN A DETERMINATION OF COMMUNICATIONS & ELECTRONICS REQUIREMENTS AND HOW THOSE REQUIREMENTS CAN BEST BE PROVIDED TO SUPPORT THE PARTICIPATION OF EADF UNITS IN THE EXPERIMENTAL SUBSECTOR TEST. SINCE THE OST OF GROUND/AIR DATA SYSTEMS MUST BE PERFORMED DURING XD-1 TESTS, A SYSTEM WILL NOT BE AVAILABLE FOR OPERATIONAL USE BY THE SCHEDULED OPERATIONAL DATE OF THE FIRST FEW SAGE SUBSECTORS. XD-1 TESTS WILL BEGIN AUGUST 1955 AND CONTINUE FOR A PRESENTLY UNDETERMINED PERIOD UP TO 5 YEARS.

5. ATTACHED FOR YOUR INFORMATION ARE COPIES OF THE MINUTES OF CONFERENCES HELD AT THIS HEADQUARTERS. THESE ATTACHMENTS SHOULD BE CLOSELY STUDIED. IT SHOULD BE ANTICIPATED THAT ALL EADF UNITS, INCLUDING AC&W SQUADRONS, WILL BE ACTIVELY ENGAGED IN IMPLEMENTATION OF THE SAGE SYSTEM. IT HAD ALSO BEEN PLANNED TO EFFECT DISTRIBUTION OF THE NEW USAF-ADC POLICY OF JOINT OWNERSHIP OF TELEPHONE PLANTS AT CERTIFIED INSTALLATIONS BY COMMERCIAL TELEPHONE COMPANIES AND THE USAF, HOWEVER, ALL POLICY CORRESPONDENCE ON THIS SUBJECT HAS BEEN RESCINDED AND CORRESPONDENCE CLARIFYING THIS POLICY IS BEING FORMULATED. THIS CORRESPONDENCE WILL BE DISTRIBUTED UPON RECEIPT.

0688

553210

COPY

SECRET

COPY

EADCE-LW, SUBJ: (UNCL) IMPLEMENTATION OF THE SAGE SYSTEM IN THE
EADF AREA OF RESPONSIBILITY (CONT'D)

6. HQ USAF HAS APPROVED THE AIR DEFENSE COMMAND SAGE
OPERATIONAL PLAN. THIS HEADQUARTERS HAS REQUESTED THAT DISTRIB-
UTION OF THE SAGE PLAN INCLUDE THE AIR DIVISIONS. FURTHER,
YOUR HEADQUARTERS WILL BE PERIODICALLY INFORMED OF FUTURE DEVELOP-
MENTS RELATIVE TO SAGE IMPLEMENTATION AND AREAS OF RESPONSIBILITY.

7. THE CORRESPONDENCE IS CLASSIFIED SECRET IN ACCORDANCE
WITH PARAGRAPH 23c, AFR 205-1.

BY ORDER OF THE COMMANDER:

2 INCLS

1. MINUTES XD-1
CONFERENCE 16 MAY 55
2. MINUTES XD-1 CONFERENCE
(RADAR) 16 MAY 55

/s/ BEN D MOORHEAD
/t/ BEN D MOORHEAD
CAPTAIN, USAF
ASST ADJUTANT

8

SECRET

553210

0689

COPY

SECRET

COPYMINUTES OF CONFERENCE ON XD-1 SYSTEM
Hq EASTERN AIR DEFENSE FORCE

16 MAY 1955

A CONFERENCE WAS HELD AT HEADQUARTERS, EADF ON 4 MAY 1955 TO DISCUSS THE XD-1 SYSTEM WITHIN EADF. THIS CONFERENCE WAS HELD AT THE REQUEST OF REPRESENTATIVES OF LINCOLN LABORATORIES. THE FOLLOWING PERSONNEL WERE IN ATTENDANCE:

COLONEL NELSON S. BROOKS	- Hq EADF, EAOCE
MAJOR W. O. OPELLO	- Hq EADF, EAOCE
CAPTAIN A. HADEN	- Hq EADF, EAOCE
CAPTAIN ZIMMERMAN	- LINCOLN LABORATORIES
MR. CARTER	- LINCOLN LABORATORIES
MR. HANSACKER	- LINCOLN LABORATORIES
MR. HARRIS	- LINCOLN LABORATORIES
MR. KIRSCHNER	-- LINCOLN LABORATORIES
DR. NICHOLSON	- CAMBRIDGE RESEARCH CENTER

REPRESENTATIVES OF LINCOLN LABORATORIES OPENED THE CONFERENCE BY STATING THAT IT WAS CONTEMPLATED THAT THE XD-1 SYSTEM INCLUDE CERTAIN EADF INSTALLATIONS. THESE WERE RADAR STATIONS AT NORTH TRURO, MASS., MONTAUK, L.I., BRUNSWICK NAVAL AIR STATION, ME., HIGHLANDS, N.J., AND SCHUYLerville, N.Y. IN ADDITION, IT IS PLANNED THAT TWO OR THREE TEXAS TOWERS BE INCLUDED IN THE SYSTEM AS WELL AS FIGHTER INTERCEPTOR BASES AT OTIS, SUFFOLK AND HANSCOM; GAP FILLER RADAR SITES AT SEDGWICK, ME., AND MANORVILLE, N. Y.; GOC INSTALLATIONS WITHIN EADF; AND, TO A CERTAIN EXTENT, THE FACILITIES OF HEADQUARTERS EADF, 26TH AIR DIVISION (DEF) ROSLYN, N.Y., AND 32ND AIR DIVISION (DEF), SYRACUSE AIR FORCE STATION, SYRACUSE, N.Y.

THE REPRESENTATIVES FROM LINCOLN LABORATORIES WERE CONCERNED AT THIS TIME WITH THE PROBLEM OF PROVIDING THE NECESSARY WIRE COMMUNICATIONS TO THE INSTALLATIONS CONCERNED. THEY WERE SPECIFICALLY INTERESTED IN A DETERMINATION AS TO THE AVAILABILITY OF ENTRANCE CABLE, PROCEDURES INVOLVED IN ACQUIRING ADDITIONAL ENTRANCE FACILITIES, AND, TO A LESSER DEGREE, TELETYPE EQUIPMENT.

THE LINCOLN LABORATORIES REPRESENTATIVES WERE ADVISED THAT UNDER NORMAL PROCEDURES AIR DEFENSE ENTRANCE FACILITIES ARE INSTALLED BY THE AUTHORIZATION OF HEADQUARTERS, ADC FROM TACTICAL FUNDS APPROPRIATED FOR THAT PURPOSE. INSIDE THE PERIMETER FENCE OF THE AC&W STATION CONCERNED, THE APPROPRIATE AIR MATERIEL AREA IS RESPONSIBLE FOR INSURING THAT THE OUTSIDE CABLE PLANT IS

SECRET

ENCL #1

553210

0690

COPY

SECRET

COPY

THE APPROPRIATE AIR MATERIEL AREA IS RESPONSIBLE FOR INSURING THAT THE OUTSIDE CABLE PLANT IS ADEQUATE AND PROPERLY MAINTAINED. THE LINCOLN LABORATORY REPRESENTATIVES WERE ADVISED THAT THE MOST EXPEDITIOUS MANNER IN WHICH THEIR REQUIREMENTS CAN BE FULFILLED WOULD INVOLVE A PRESENTATION TO THIS HEADQUARTERS OF THE XD-1 CIRCUIT REQUIREMENTS. AFTER STUDYING THESE REQUIREMENTS THIS HEADQUARTERS WOULD MAKE RECOMMENDATION AS TO HOW THE REQUIREMENT COULD BEST BE FILLED BOTH FROM A STANDPOINT OF ECONOMY AS WELL AS A PROVISION OF THE SERVICE REQUIRED WITHIN THE SPECIFIED TIME PERIOD.

LINCOLN LABORATORY REPRESENTATIVES EXPRESSED A DESIRE TO INSTALL TELETYPE EQUIPMENT WITHIN CERTAIN EADF DIRECTION CENTERS. THEY EXPRESSED A DESIRE TO INSTALL MODEL 28 TELETYPE MACHINE (RECEIVE ONLY) BEHIND THE PLOTTING BOARD AT MONTAUK, NORTH TRURO, BRUNSWICK, HIGHLANDS, SCHUYLERVILLE AND POSSIBLE TWO TEXAS TOWERS. IN ADDITION, IT WAS DESIRED THAT TELLING BE CONDUCTED BY TELETYPE FROM NORTH TRURO AND MONTAUK. UPON INQUIRY AS TO THE PURPOSE OF THE TELETYPE MACHINES BEHIND THE PLOTTING BOARDS, IT WAS STATED THAT THESE WERE REQUIRED FOR TWO PURPOSES. FIRST, SO THAT THE AIR DEFENSE SYSTEM CAN BE KEPT CONSTANTLY AWARE OF WHAT AIRCRAFT ARE BEING OPERATED IN CONJUNCTION WITH THE XD-1 SYSTEM WITHIN EADF, AND SECONDLY, THERE WAS A DESIRE TO TEST OVERLAP TELLING TO ADJACENT MANUAL SITES. COLONEL BROOKS QUESTIONED THE ADVISABILITY OF PLACING TELETYPE MACHINES WITHIN OPERATIONS ROOMS IN EXCESS OF THOSE ABSOLUTELY NECESSARY TO CONDUCT THE AIR DEFENSE MISSION. THE NOISE INVOLVED HAS CAUSED THIS TO BE A BONE OF CONTENTION IN THE PAST. IT WAS RECOMMENDED THAT CONSIDERATION BE GIVEN TO PLACEMENT OF THESE MACHINES IN THE COMMUNICATIONS CENTER OR SOME OTHER LOCATION WITHIN THE OPERATIONS BUILDING IN SUCH PROXIMITY THAT THOSE MESSAGES OF INTEREST TO THE OPERATIONAL PERSONNEL COULD BE HAND CARRIED.

DR. NICHOLSON EXPRESSED CONCERN AS TO WHETHER OR NOT THOSE PERSONS PRESENTLY PROGRAMMING FOR SAGE ARE FULLY AWARE THAT CONCURRENT WITH THE INITIAL OPERATION OF THE SAGE SYSTEM THERE WILL ALSO BE IN OPERATION, FROM MANY OF THE SAME SITES, THE XD-1 SYSTEM WHICH WOULD BE COMPOSED OF ITS OWN INDIVIDUAL COMMUNICATIONS CIRCUITS AND EQUIPMENT. DR. NICHOLSON REQUESTED THAT COLONEL BROOKS MENTION THIS MATTER AT THE MCGUIRE SUBSECTOR MEETING SCHEDULED FOR THE FOLLOWING DAY AT THE BELL LABORATORIES, WHIPPANY, N. J.

LINCOLN LABORATORY REPRESENTATIVES QUESTIONED THE POSSIBILITY OF CONSOLIDATING XD-1 WIRE REQUIREMENTS ALONG WITH THOSE FOR THE SAGE SYSTEM AND INSTALLING THEM CONCURRENTLY, WITH THE INTENT THAT THE XD-1 CIRCUITS BE AVAILABLE IMMEDIATELY AND WHEN THE TIME

SECRET

0691

COPY

SECRET

COPY

CAME THAT THE SAGE CIRCUITS WOULD BE REQUIRED THEY WOULD HAVE BEEN ALREADY INSTALLED. IT WAS POINTED OUT TO THE LINCOLN LABORATORY REPRESENTATIVES THAT UNLESS THE OPERATIONAL REQUIREMENT FOR THE TWO SYSTEMS EXISTED AT APPROXIMATELY THE SAME TIME, IT WOULD BE VERY UNECONOMICAL TO FOLLOW SUCH A PROCEDURE IN THAT ENORMOUS RENTAL CHARGES WOULD BE REQUIRED ON THE CIRCUITS REQUIRED FOR SAGE BETWEEN THE TIME OF INSTALLATION AND ACTUAL TIME OF USE. FURTHER DISCUSSION RELATIVE TO XD-1 WIRE CIRCUITS RESULTED IN AN EXPRESSION OF THE OPINION THAT IT WOULD BE PREFERABLE, IF THERE ARE NO OBJECTIONS, FOR THE XD-1 CIRCUITS TO BYPASS THE MAIN DISTRIBUTION FRAME AND TERMINATE WITHIN THE XD-1 AREA. THIS OPINION RESULTED FROM THE FACT THAT, SINCE XD-1 IS EXPERIMENTAL IN NATURE, THERE WILL BE MANY CHANGES IN COMMUNICATIONS FACILITIES AS TIME GOES ON AND IT MAY BE BEST TO KEEP THE CIRCUITS SEPARATE.

MR. KIRSCHNER STATED THAT THERE WAS A REQUIREMENT FOR THE LINCOLN LABORATORIES TO PERFORM CONSIDERABLE COORDINATION WITH THE NAVY AND AAA AS REGARDED THE PARTICIPATION OF SOME OF THEIR INSTALLATIONS IN THE XD-1 SYSTEM. THE LINCOLN LABORATORY REPRESENTATIVES WERE ADVISED THAT IF THEY SO DESIRED, THEY MIGHT BE ABLE TO CONDUCT ALL OF THIS COORDINATION THROUGH ARMY AND NAVAL PERSONNEL ASSIGNED TO THE JOINT EADF HEADQUARTERS. IT WAS FELT THAT THIS WOULD PROVIDE THEM WITH A CENTRAL POINT FROM WHICH ALL ARMY AND NAVY MATTERS COULDBE COORDINATED. AT THE SAME TIME, HOWEVER, IT WAS STRESSED THAT IF THEY PREFER TO DEAL DIRECTLY WITH INDIVIDUAL COMMANDS THERE WAS NO OBJECTION AS FAR AS WE ARE CONCERNED.

QUESTION WAS RAISED AS TO WHETHER OR NOT THE XD-1 SYSTEM SHOULD WORK THROUGH BEAVERTAIL IN OBTAINING PICKET VESSEL PLOTS AS HAD THE OLD CAPE COD SYSTEM. REPLY WAS MADE THAT IF BEAVERTAIL WAS ABLE TO PROVIDE THE XD-1 SYSTEM WITH THE TYPE OF INFORMATION THEY WANT, THERE WAS NO OBJECTION FROM THIS HEADQUARTERS. PICKET VESSEL INFORMATION COULD BE MADE AVAILABLE TO XD-1 EITHER THROUGH BEAVERTAIL OR DESIGNATED EADF SHORE STATION.

LINCOLN LABORATORY REPRESENTATIVES RAISED THE QUESTION AS TO WHETHER THEY SHOULD DEAL DIRECTLY WITH EADF AIR DIVISIONS AND SITES ON XD-1 PLANNING, OR SHOULD SUCH BE DONE THROUGH THIS HEADQUARTERS. IT WAS REQUESTED THAT, AT LEAST FOR THE TIME BEING, ALL SUCH CONTACT BE MADE THROUGH THIS HEADQUARTERS, BOTH TO KEEP THIS HEADQUARTERS INFORMED AS TO WHAT WAS GOING ON WITHIN THE COMMAND AND TO ENABLE US TO BE IN A POSITION TO PROVIDE ANY ASSISTANCE OR ADVICE REQUIRED BY OUR FIELD UNITS.

SECRET

553210

0692

COPY

SECRET

COPY

IN DISCUSSING ACTUAL CIRCUIT REQUIREMENTS AT THE SITES WHICH WILL BE INVOLVED IN THE XD-1 SYSTEM, THE LINCOLN LABORATORY REPRESENTATIVES PRESENTED A DOCUMENT, MEMO #6M-3275, WHICH TABULATED THE CIRCUIT REQUIREMENTS TO EACH SITE. HOWEVER, BECAUSE OF THE VARYING NUMBER OF PHYSICAL PAIRS REQUIRED TO FULFILL EACH CIRCUIT REQUIREMENT, THIS INFORMATION IS NOT SPECIFIC ENOUGH FOR PLANNING PURPOSES AT THIS TIME. MONTAUK, WHICH WILL REQUIRE 14 CIRCUITS, REPRESENTED THE GREATEST NUMBER. HOWEVER, IT WAS ESTIMATED THAT THESE 14 CIRCUITS FOR MONTAUK WILL REQUIRE SOMEWHERE BETWEEN 15 - 25 PHYSICAL PAIRS. LINCOLN LABORATORIES WILL PRESENT TO THIS HEADQUARTERS, AS QUICKLY AS POSSIBLE, THE NUMBER OF ACTUASL PAIRS REQUIRED AT EACH SITE. IT WAS STATED THAT APPROXIMATELY SIX HUNDRED THOUSAND DOLLARS (\$600,000.) HAVE BEEN MADE AVAILABLE TO LINCOLN LABORATORIES FOR RENTAL CHARGES ON TELEPHONE SERVICES. NOTHING, HOWEVER, HAS APPARENTLY BEEN MADE AVAILABLE TO COVER CONSTRUCTION CHARGES. IT IS, THEREFORE, IMPORTANT THAT ANY REQUIRED CONSTRUCTION BE MADE KNOWN TO LINCOLN LABORATORIES AS QUICKLY AS POSSIBLE SO THAT ACTION MAY BE TAKEN TO PROCURE THE NECESSARY CONSTRUCTION FUNDS.

IN DISCUSSING THE XD-1 REQUIREMENTS FOR GAP FILLERS, IT WAS STATED THAT THE ONE SDV CIRCUIT TO BE PROVIDED BETWEEN EACH GAP FILLER AND ITS PARENT RADAR STATION CAN BE USED BY THE XD-1 SYSTEM TO TRANSMIT THE NECESSARY INFORMATION SIMULTANEOUSLY WITH DATA TRANSMISSION TO PARENT RADAR STATION. THEREFORE, IT WAS NOT ENVISIONED THAT THERE WOULD BE ANY REQUIREMENT FOR ADDITIONAL TELEPHONE PAIRS TO THE GAP FILLER SITES.

A DISCUSSION FOLLOWED RELATIVE TO PROCEDURES TO BE USED IN THE ADMITTANCE OF LINCOLN LABORATORIES PERSONNEL TO THE SITES CONCERNED. IT WAS SUGGESTED THAT ADONE-TIME CLEARANCE BE SUBMITTED TO BE EFFECTIVE OVER A GIVEN PERIOD, PERHAPS 90 DAYS AT A TIME, LISTING ALL PEOPLE, THE DEGREE OF CLEARANCE HELD AND THE SPECIFIC SITES THAT EACH INDIVIDUAL WOULD BE VISITING DURING THAT TIME PERIOD. UPON RECEIPT OF SUCH A CLEARANCE AT THIS HEADQUARTERS AUTHORIZATION FOR INDIVIDUAL VISITS WOULD BE HANDLED IN A VERY ROUTINE MANNER.

IN SUMMATION, THE FOLLOWING ACTIONS APPEAR TO BE IN ORDER:

1. SPECIFIC CIRCUIT REQUIREMENTS BY SITES TO BE SUBMITTED TO THIS HEADQUARTERS BY LINCOLN LABORATORIES.
2. A STUDY TO BE MADE BY THIS HEADQUARTERS PREPARATORY TO A FORMAL RECOMMENDATION AS TO THE BEST MANNER IN WHICH THE REQUIRED CIRCUITS CAN BE INSTALLED BOTH FROM AN ECONOMICAL AND TIME SAVING ASPECT.

SECRET

0693

COPY

SECRET

COPY

3. INSTALLATION OF CIRCUITS AND/OR ANY CONSTRUCTION REQUIRED DURING WHICH TIME PROCEDURES WILL BE ESTABLISHED FOR THE CALLING UP OF CIRCUITS. THESE PROCEDURES WILL DEPEND UPON WHICH HEADQUARTERS ISSUED THE CSA FOR SERVICES.

4. LINCOLN LABORATORIES WILL RE-EXAMINE THE REQUIREMENT FOR TELETYPE MACHINES IN OPERATIONS ROOMS WITH THE VIEW TO PLACING THE TELETYPE EQUIPMENT ELSEWHERE IN THE OPERATIONS BUILDING IF POSSIBLE. AT THE SAME TIME, THIS DIRECTORATE WILL DISCUSS THE MATTER WITH OTHER CONCERNED AGENCIES WITHIN THIS HEADQUARTERS.

CONTENTS OF THESE MINUTES ARE CLASSIFIED SECRET IN ACCORDANCE WITH PARAGRAPH 23c, AFR 205-1.

/s/ NELSON S. BROOKS
/t/ NELSON S. BROOKS
COLONEL, USAF
DIR., COMMUNICATIONS &
ELECTRONICS

5

SECRET

553210

0694

COPY

SECRET

COPY

MINUTES OF XD-1 CONFERENCE (RADAR)

HQ, EASTERN AIR DEFENSE FORCE

16 May 1955

A CONFERENCE WAS HELD AT HEADQUARTERS, EASTERN AIR DEFENSE FORCE ON 4 MAY 1955 TO DISCUSS PROBLEMS ASSOCIATED WITH THE RADAR PORTION OF THE XD-1 SYSTEM. THE FOLLOWING PERSONNEL WERE IN ATTENDANCE REPRESENTING AGENCIES AS INDICATED:

COLONEL N. S. BROOKS	- Hq EADF, EAOCE
MAJOR W. C. OPELLO	- Hq EADF, EAOCE
MAJOR W. J. SCHULTZ	- Hq EADF, EAOT
CAPTAIN D. F. RUDOLPH	- Hq EADF, EAOCE
Mr. C. RICHARD WHALEN	- LINCOLN LABORATORIES, CRC
Mr. A. DURNIN	- Hq EADF, EAMIS

Mr. WHALEN STATED THAT IT WAS PRESENTLY PLANNED THAT RADAR INFORMATION WOULD BE FED INTO THE XD-1 SYSTEM FROM MONTAUK AND TEXAS TOWER-2. HIS FIRST PROBLEM WAS THAT OF BUILDING SPACE. INSTALLATION HAS ALREADY STARTED AT MONTAUK. IT IS POSSIBLE THAT AN EXTENSION MAY BE REQUIRED ON THE XD-1 BUILDING AT MONTAUK. Mr. WHALEN WAS ADVISED THAT AS FAR AS APPROVAL FOR SUCH CONSTRUCTION IS CONCERNED, THE ACTIONS TO BE TAKEN ARE CLEARLY LAID OUT BY EXISTING DIRECTIVES. THE SITE COMMANDER AT MONTAUK SHOULD PRESENT TO THIS HEADQUARTERS PLANS FOR THE CONTEMPLATED EXPANSION FOR SITE CONCURRENCE. WHEN SUCH SITE CONCURRENCE IS GIVEN, THE NEEDED EXPANSION CAN BE ACCOMPLISHED.

ALTHOUGH AT ONE TIME IT WAS PLANNED THAT OPERATIONS BE CONDUCTED FROM BRUNSWICK NAVAL AIR STATION, ME., THE LINCOLN LABORATORIES IS PRESENTLY TESTING A NEW PIECE OF RADAR EQUIPMENT INSTALLED AT BATHE, ME., WHICH WILL REPLACE THE PLANNED BRUNSWICK FACILITY. IN THIS CONNECTION, THE QUESTION WAS RAISED AS TO WHETHER OR NOT THE TWO FPS-6 HEIGHT FINDERS PRESENTLY PROGRAMMED FOR P-13 COULD BE RELOCATED TO THE BATHE SITE FOR XD-1. IT WAS STATED THAT INSTALLATION OF THESE TWO HEIGHT FINDERS AT BRUNSWICK HAD BEEN GIVEN A VERY HIGH PRIORITY BY ADC BASED ON A REQUEST MADE TO ADC BY LINCOLN LABORATORIES FOR THESE EQUIPMENTS TO BE USED IN THE XD-1 SYSTEM. NOW, HOWEVER, IN VIEW OF THE MOVE OF THE XD-1 FACILITIES FROM BRUNSWICK TO BATHE, THERE IS CONSIDERABLE INTEREST IN THE TEMPORARY RELOCATION OF THE FPS-6'S. IN REPLY, Mr. WHALEN WAS ADVISED THAT CONSIDERABLE STUDY WOULD HAVE TO BE GIVEN TO THIS REQUEST INASMUCH AS MANY FACTORS WERE INVOLVED. FIRST AND FOREMOST WAS THAT OF OPERATIONAL EFFECTIVENESS. IF THE REMOVAL OF FPS-6 FROM BRUNSWICK TO BATHE WOULD RESULT IN A DEGREE OF AIR DEFENSE EFFECTIVENESS LESS THAN THAT POSSIBLE THROUGH THE USE OF FPS-6 AT BRUNSWICK, THEN THE CHANCES

ENCL #2

SECRET

553210

0695

COPY

SECRET

COPY

ARE THAT THE REQUEST WOULD BE VIEWED UNFAVORABLY. IN ADDITION, CONSIDERATION MUST BE GIVEN TO THE FACT THAT THE PROGRAMMING OF THIS EQUIPMENT HAS PROGRESSED THROUGH THE PLANNING STAGES AND INSTALLATION IS ABOUT TO BEGIN. THAT IN ITSELF MIGHT UPSET THE PLANS OF ALL AGENCIES CONCERNED WITH THE INSTALLATION. ANOTHER MATTER WAS THAT OF THE TIME REQUIRED TO GET THE FPS-6 RADARS BACK TO BRUNSWICK IN TIME TO MEET SAGE REQUIREMENTS. MR. WHALEN STATED THAT LINCOLN LABORATORIES HAD NOT EXPLORED THE NORMAL ARDC CHANNELS TO FIND OUT WHETHER OR NOT FPS-6 RADARS COULD BE MADE AVAILABLE FOR XD-1 THROUGH ANY OTHER METHOD. THE POSSIBILITY WAS ALSO BRIEFLY DISCUSSED OF MOVING ONE OF THE FPS-6'S TO BATHE, RETURNING IT TO BRUNSWICK IN TIME TO MEET SAGE REQUIREMENTS. A SUGGESTION WAS MADE TO MR. WHALEN THAT HE MAKE EVERY ATTEMPT TO PROCURE FPS-6 RADARS FROM WITHIN ARDC CHANNELS TO MEET HIS REQUIREMENTS. IF SUCH TURNS OUT TO BE IMPOSSIBLE, A FORMAL REQUEST CAN BE MADE TO THIS HEADQUARTERS WHICH WILL BE STUDIED AND FORWARDED TO HEADQUARTERS, ADC WITH APPROPRIATE RECOMMENDATIONS.

IN REGARD TO XD-1 OUT OF TEXAS TOWER-2, IT IS OBVIOUS THAT TEMPORARY USE WILL HAVE TO BE MADE OF SOME SPACE ON THE TOWER FOR WHICH A PROGRAMMED FACILITY HAS NOT YET BEEN INSTALLED. LINCOLN LABORATORIES WOULD LIKE TO INSTALL A SERVICE TEST VERSION OF THE FST-2 ALONG ON OF THE EQUIPMENT ROWS WHERE THE FINAL PRODUCTION MODEL IS TO BE LOCATED, REMOVING THE SERVICE TEST MODEL WHEN THE FINAL MODEL IS INSTALLED. MR. WHALEN WAS ADVISED THAT MIDDLETOWN AIR MATERIEL AREA HAS ALREADY PRESENTED TO THIS HEADQUARTERS FOR APPROVAL THE FINAL DRAWINGS FOR TEXAS TOWER-2 WHICH INCLUDED ALL EQUIPMENT LAYOUTS. IT WAS SUGGESTED THAT THE MIDDLETOWN AIR MATERIEL AREA BE CONTACTED FOR A COPY OF THESE DRAWINGS AS AN ASSIST IN DETERMINING WHERE THE SERVICE TEST FST-2 CAN BE LOCATED. MR. WHALEN STATED THAT LINCOLN LABORATORIES SHOULD HAVE ACCESS TO TEXAS TOWER-2 SOME TIME IN JANUARY 1956, FOR INSTALLATION PURPOSES, AND THAT THE TEST WOULD BEGIN SOMETIME IN FEBRUARY OR MARCH OF THAT YEAR.

CONSIDERABLE DISCUSSION FOLLOWED REGARDING THE RADAR PRF PROBLEMS RELATIVE TO THE FST-2. BRIEFLY, MR. WHALEN INDICATED THAT THE BURROUGHS COMPANY PILOT MODEL OF THE FST-2 IS COMPATIBLE WITH A PRF RANGE OF 240 - 400 CPS AND THAT ADDITIONAL DELAY OF THE PROGRAM WILL RESULT IF IT IS NECESSARY TO EXTEND THIS RANGE DOWN TO 200 CPS TO ACCOMMODATE THE AN/FPS-3 RADAR. AS A RESULT, MR. WHALEN PROPOSED THAT THE PRF OF THE AN/FPS-3 AT THE XD-1 TEST SITES BE CHANGED FROM 200 TO 240 CPS BY EQUIPMENT MODIFICATION. HE STATED THAT THE PROBLEM HAD BEEN DISCUSSED AT ADC, AND COLONEL NICHOLS, THAT HEADQUARTERS, SUGGESTED THAT HE DISCUSS IT FURTHER WITH US SINCE IT WAS UP TO THE LOCAL COMMAND TO MAKE A DETERMINATION.

2

SECRET

0696

COPY

SECRET

COPY

EADF REPRESENTATIVES SUGGESTED THAT LINCOLN LABORATORIES COME TO US WITH A PROPOSAL OR REQUEST FOR WHATEVER ACTION THEY SEE FIT TO RECOMMEND ON THE BASIS OF STUDIES MADE AT LINCOLN LABORATORIES. UPON RECEIPT OF SUCH A REQUEST IT WOULD BE STUDIED AT THIS HEADQUARTERS AND RECOMMENDATIONS FORWARDED TO HEADQUARTERS, ADC. FURTHER DISCUSSION ON THE MATTER RESULTED IN A SUGGESTION TO LINCOLN LABORATORIES THAT PERHAPS THE RADAR MANUFACTURER BE GIVEN THE PROBLEM FOR RESOLUTION SINCE IN ALL PROBABILITY THEY WERE MORE FAMILIAR WITH THE RADAR CONCERNED AND COULD COME UP WITH A QUICKER, CLEARER, AND MORE PRACTICAL SOLUTION THAN ANY OTHER AGENCY.

MR. WHALEN RAISED THE PROBLEM ON THE SHARED USE OF HEIGHT FINDERS. HE STATED THAT LINCOLN LABORATORIES HAD BEEN GIVEN PERMISSION TO USE ONE ADC HEIGHT FINDER AT EACH P-SITE CONCERNED FOR USE IN XD-1 SYSTEM. HE WAS INTERESTED IN DISCUSSING THE SPECIFIC ARRANGEMENTS OR PROCEDURES INVOLVED. HE WAS INTERESTED IN THE MAINTENANCE ON THE HEIGHT FINDER TURNED OVER TO LINCOLN LABORATORIES, INTERFERENCE PROBLEMS, AND WHETHER OR NOT THEY SHOULD APPROACH THE SITE CONCERNED FOR THE ANSWER TO THESE QUESTIONS. IT WAS STATED THAT THERE WAS A LETTER WITHIN EADF REGARDING THE SHARED USE OF THESE HEIGHT FINDERS AND BEFORE ANY ACTION WAS TAKEN OR ANY SITE COMMANDER WAS CONTACTED, WE WOULD DESIRE TO LOOK THIS LETTER UP AND RE-EXAMINE THE SPECIFIC INSTRUCTIONS GIVEN TO US BY ADC ON THIS MATTER. AT THAT TIME LINCOLN LABORATORIES WILL BE ADVISED AS TO THE PROPER ACTION TO TAKE.

THE CONTENTS OF THESE MINUTES ARE CLASSIFIED SECRET IN ACCORDANCE WITH PARAGRAPH 23c, AFR 205-1.

/s/ NELSON S. BROOKS
/t/ NELSON S. BROOKS
COLONEL, USAF
DIR., COMM & ELCT,
HQ EADF

SECRET

553210

0697

COPY

COPY

HQ EADF EADCE-CW SUBJECT: (UNCLASSIFIED) IMPLEMENTATION OF
THE SAGE SYSTEM IN EADF AREA OF RESPONSIBILITY

OCE (9 Aug 55) 1ST IND 25 Aug 1955

HQ 32D AIR DIVISION (DEFENSE), SYRACUSE AIR FORCE STATION,
SYRACUSE 6, NEW YORK

TO: COMMANDER, 4707TH AIR DEFENSE WING, OTIS AIR FORCE BASE,
MASS. COMDR, 4711TH ALW PRESQUE ISLE AFB, PRESQUE ISLE,
MAINE

1. FORWARDED FOR YOUR INFORMATION AND RETENTION.
2. THIS INDORSEMENT CONTAINS NO CLASSIFIED INFORMATION.

BY ORDER OF THE COMMANDER:

2 INCLS
N/C

/s/ ROBERT W. REINHOLD
/t/ ROBERT W. REINHOLD
2NDLT, USAF
ASSISTANT ADJUTANT

SECRET

HISTORICAL REPORT
of the
32D AIR DIVISION (DEFENSE)

Director
Research Studies Institute
Attn: Archives Branch
Maxwell AFB, Alabama

RE URM TO:

K-DIV 52-11
100-7076 1956
V.L.M.



THE AIR DEFENSE OF A SECTOR.
JANUARY through JUNE 1956
SUPPORTING DOCUMENTS II

DIVISION HISTORICAL OFFICE
SYRACUSE AIR FORCE STATION
EAST SYRACUSE, NEW YORK

BM-57-221

57-100

SECRET

0703

SECRET

SECRET

57 411

RM-57-221

57-411-3

0704

SECRET

THIS DOCUMENT CONTAINS INFORMATION
AFFECTING THE NATIONAL DEFENSE OF THE
UNITED STATES WITHIN THE MEANING OF THE
ESPIONAGE LAWS, TITLE 18, U.S.C., SEC-
TIONS 793 AND 794. ITS TRANSMISSION OR
THE REVELATION OF ITS CONTENTS IN ANY
MANNER TO AN UNAUTHORIZED PERSON IS
PROHIBITED BY LAW.

THIS IS COPY No 1 OF 4 COPIES.

SECRET

0705

SECRET

HISTORICAL REPORT
OF THE
32D AIR DIVISION (DEFENSE)
NUMBER TWENTY
THE AIR DEFENSE OF A SECTOR
JANUARY THROUGH JUNE 1956

RCS: AU-D5

SUPPORTING DOCUMENTS
VOLUME II
(DOCUMENTS 46/1 THRU 72/4)

SECRET

57-100

0706

COPY

COPY

CONFIDENTIAL

HEADQUARTERS
EASTERN AIR DEFENSE FORCE
STEWART AIR FORCE BASE, NEWBURGH, N.Y.

23 JANUARY 1956

EX-102

SUBJECT: (UNCLASSIFIED) APPLICATION FOR PROMOTIONS

TO: COMMANDER
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, N. Y.

1. THE ATTACHED CORRESPONDENCE FROM HEADQUARTERS USAF IS FORWARDED FOR YOUR INFORMATION.
2. UPON REMOVAL OF INCLOSURE THIS CORRESPONDENCE MAY BE DOWNGRADED TO UNCLASSIFIED IN ACCORDANCE WITH PARAGRAPH 25c, AFR 25-1.

BY ORDER OF THE COMMANDER:

1 INCL
1 to USAF LTR
DTG 6 JAN 56
w/1 INCL

/s/ E. B. SCHYERD
CAPTAIN, USAF
ASST ADJUTANT

46/1

CONFIDENTIAL

142-56

0707

COPY

CONFIDENTIAL

COPY

TO: E.O.F. E.O.C.-JE SUBJECT: (UNCLASSIFIED) APPLICATION FOR FREQUENCIES

C.E. (23 JAN 56)

1st INCL

FM 32d AIR DIVISION (DEFENSE), SYRACUSE AIR FORCE STATION, SYRACUSE 6, NEW YORK

TO: COMMANDER, 4707th AIR DEFENSE WING, OTIS AIR FORCE BASE, FALMOUTH MASSACHUSETTS

1. THE FOLLOWING INFORMATION WAS EXTRACTED FROM HEADQUARTERS USAF LETTER AFO-C-F/F, SUBJECT: APPLICATION FOR FREQUENCIES (TEXAS TOWERS).

A. FREQUENCIES ARE ASSIGNED HEREBY FOR TROPOSPHERIC SCATTER CIRCUITS TO BE OPERATED BETWEEN TEXAS TOWERS AND THE MAINLAND, AS FOLLOWS:

<u>FREQUENCY</u> (Mc/S)	<u>TRANSMIT</u>	<u>RECEIVE</u>
1705	N. TRURO, MASS	TEXAS TOWER 1
1755	N. TRURO, MASS	TEXAS TOWER 2
1745	BRUNSWICK, ME	TEXAS TOWER 3
1305	TEXAS TOWER 1	N. TRURO, MASS
1335	TEXAS TOWER 2	N. TRURO, MASS
	TEXAS TOWER 3	BRUNSWICK, ME.

B. POWER OUTPUT NOT TO EXCEED 20 W PEAK AND EMISSION 200 P.F. ARE AUTHORIZED.

BY ORDER OF THE COMMANDER

1 INCL:
(IN TRIP)

/S/ GEORGE T. DORNER
/T/ GEORGE T. DORNER
30LT, USAF
ASSISTANT ADJUTANT

CONFIDENTIAL

147-30

0708

COPY

COPY

CONFIDENTIAL

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS UNITED STATES AIR FORCE
WASHINGTON 25, DC

WFOC-1/F

6 JAN 56

SUBJECT: (U) APPLICATION FOR FREQUENCIES (TEXAS TOWERS)

R: COMMANDER
AIR DEFENSE COMMAND
ENT AIR FORCE BASE
COLORADO SPRINGS, COLORADO

1. REFERENCE IS MADE TO 2ND INDORSEMENT FROM HEADQUARTERS USAF DATED 13 JULY 1955 AND 1ST INDORSEMENT FROM HEADQUARTERS, USAF DATED 5 JULY 1955 TO BASIC LETTER FROM HEADQUARTERS, USAF DATED 27 JUNE 1955, SUBJECT AS ABOVE.
2. FREQUENCIES ARE ASSIGNED HEREBY FOR TROPOSPHERIC SCATTER CIRCUITS TO BE OPERATED BETWEEN TEXAS TOWERS AND THE MAINLAND AS FOLLOWS:

<u>FREQUENCY</u> (MHz)	<u>TRANSMIT</u>	<u>RECEIVE</u>
1705	N. TRURO, MASS	TEXAS TOWER 1
1725	MONTAUK, FT, N.Y.	TEXAS TOWER 3
1745	BRUNSWICK, ME	TEXAS TOWER 5
1765	N. TRURO, MASS	TEXAS TOWER 2
1785	HIGHLANDS, N. J.	TEXAS TOWER 4
1805	TEXAS TOWER 1	N. TRURO, MASS
1815	TEXAS TOWER 3	MONTAUK FT, N. Y.
1825	TEXAS TOWER 5	BRUNSWICK, ME
1835	TEXAS TOWER 2	N. TRURO, MASS
1845	TEXAS TOWER 4	HIGHLANDS, N. J.

3. POWER OUTPUT NOT TO EXCEED 20 KW PEAK AND EMISSION 2000⁰ OF ARE AUTHORIZED PURSUANT TO INCLOSURES 1 THROUGH 10 OF THE REFERENCED CORRESPONDENCE:

BY ORDER OF THE CHIEF OF STAFF:

/s/ JAMES Y. HUNTER, JR.
LIEUT. COL
EXECUTIVE, PLANS & POLICIES
DIVISION
DIR OF C&E 147-56

CONFIDENTIAL

0709

COPY

COPY

CONFIDENTIAL

H. USAF AFSA-H/F SUBJ: (U) APPLICATION FOR FREQUENCIES (TEXAS TOWERS

AKOE-E (6 JAN 56)

1ST IND

13 JAN 56

1. AIR DEFENSE COMMAND, ENT AIR FORCE BASE, COLORADO SPRINGS, COLORADO

TO: COMMANDER, EASTERN AIR DEFENSE FORCE STEWART AFB, NEWBURGH, N.Y.

1. FORWARDED FOR YOUR INFORMATION.
2. HEADQUARTERS USAF HAS BEEN REQUESTED TO PLACE THESE FREQUENCIES ON THE PERTINENT USAF RADIO FREQUENCY AUTHORIZATION.

BY ORDER OF THE COMMANDER:

/s/ R.E. PALMER
MAJOR, USAF
WEST COMB DIV

CONFIDENTIAL

0710

COPY

COPY

CONFIDENTIAL

TO: 320 AD(4) SYRACUSE AF STA SYRACUSE NY 26/23252 CONFIDENTIAL
FROM: LCDR EDW STEWART AFB NEWBURGH NY ROUTINE

ENROUTE-OR 0063 UNCLASSIFIED

CONFIDENTIAL/AFCOE 01152. REF YOUR MSG
ENROUTE-OR 0063. SINCE FT-1 WILL BE UNDER ANOTHER
AIR DIV EFF 1 MAR 56 SHOULD THIS SITE BE INCLUDED IN
320 AD PLANS.

CONFIDENTIAL

CONFIDENTIAL

LESLIE W. HEWITT, COL, USAF
AFCOE

WILLIAM W. HENNING, COL, USAF
070 SECURITY OF OPERATIONS

155-50

46/2

0711

COPY

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

OCE

27 JAN 1956

SUBJECT: AMATEUR STATION ON TEXAS TOWER

TO: COMMANDER
4707TH AIR DEFENSE WING
OTIS AIR FORCE BASE
FALMOUTH, MASS

1. INFORMATION RECEIVED BY TELEPHONE CONVERSATIONS WITH CAPT. JONES AND SGT. COWAN, EASTERN AIR DEFENSE FORCE, COMM-ELECT SECTION, CONCERNING AUTHORIZATION OF AN AMATEUR STATION ON TEXAS TOWER, IS AS FOLLOWS:

A. NO SPACE IS AVAILABLE FOR ADDITIONAL EQUIPMENT, THEREFORE EASTERN AIR DEFENSE FORCE WILL ACCEPT THE PROCEDURE OF USING MILITARY EQUIPMENT PRESENTLY AVAILABLE FOR MARS FREQUENCIES.

B. SUGGEST SQUADRON COMMANDER OF THE 762D AC&W SQUADRON, NORTH TRURO, MASS., SUBMIT APPLICATION FOR AMATEUR STATION LICENSE (FCC FORM ~~TRANS~~ 602) THROUGH CHANNELS. FCC REGULATIONS RESTRICT AMATEUR FREQUENCY TRANSMISSIONS TO ONLY LICENSED AMATEUR OPERATORS.

C. UPON RECEIPT OF AMATEUR STATION LICENSE, APPLICATION FOR MARS STATION LICENSE (DD FORM 630 IN QUADRUPLICATE) SHOULD BE SUBMITTED.

D. UNTIL LICENSES ARE RECEIVED, TEMPORARY USE OF MARS FREQUENCIES BY THE TEXAS TOWER IS PERMISSIBLE IF THE 762D AC&W SQUADRON MARS CALL SIGN (AFIFCP) IS USED WITH THE APPENDIX, I.E. "AFIFCP PORTABLE."

2. ATTACHED HERewith IS THE REPLY FROM FCC CONCERNING AMATEUR OPERATION ON THE TEXAS TOWER.

3. MANNING AUTHORIZATION IS ACCOMPLISHED THROUGH THE 762D AC&W SQUADRON. THE TEXAS TOWER IS CONSIDERED TO BE AN ANNEX TO THIS STATION.

44/3

0712

COPY

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

OCE

27 JAN 1956

SUBJECT: AMATEUR STATION ON TEXAS TOWER

TO: COMMANDER
4707TH AIR DEFENSE WING
OTIS AIR FORCE BASE
FALMOUTH, MASS

1. INFORMATION RECEIVED BY TELEPHONE CONVERSATIONS WITH CAPT. JONES AND SGT. COWAN, EASTERN AIR DEFENSE FORCE, COMM-ELECT SECTION, CONCERNING AUTHORIZATION OF AN AMATEUR STATION ON TEXAS TOWER, IS AS FOLLOWS:

A. NO SPACE IS AVAILABLE FOR ADDITIONAL EQUIPMENT, THEREFORE EASTERN AIR DEFENSE FORCE WILL ACCEPT THE PROCEDURE OF USING MILITARY EQUIPMENT PRESENTLY AVAILABLE FOR MARS FREQUENCIES.

B. SUGGEST SQUADRON COMMANDER OF THE 762D AC&W SQUADRON, NORTH TRURO, MASS., SUBMIT APPLICATION FOR AMATEUR STATION LICENSE (FCC FORM ~~TRANS~~ 602) THROUGH CHANNELS. FCC REGULATIONS RESTRICT AMATEUR FREQUENCY TRANSMISSIONS TO ONLY LICENSED AMATEUR OPERATORS.

C. UPON RECEIPT OF AMATEUR STATION LICENSE, APPLICATION FOR MARS STATION LICENSE (DD FORM 630 IN QUADRUPLICATE) SHOULD BE SUBMITTED.

D. UNTIL LICENSES ARE RECEIVED, TEMPORARY USE OF MARS FREQUENCIES BY THE TEXAS TOWER IS PERMISSIBLE IF THE 762D AC&W SQUADRON MARS CALL SIGN (AFIFCP) IS USED WITH THE APPENDIX, I.E. "AFIFCP PORTABLE."

2. ATTACHED HERewith IS THE REPLY FROM FCC CONCERNING AMATEUR OPERATION ON THE TEXAS TOWER.

3. MANNING AUTHORIZATION IS ACCOMPLISHED THROUGH THE 762D AC&W SQUADRON. THE TEXAS TOWER IS CONSIDERED TO BE AN ANNEX TO THIS STATION.

4613

0713

C O P Y

HQ 32D AD(D) OCE SUBJECT: AMATEUR STATION ON TEXAS TOWER

4. FURTHER CORRESPONDENCE ON THIS SUBJECT SHOULD BE DIRECTED TO EASTERN AIR DEFENSE FORCE WITH INFORMATION COPY TO THIS HEADQUARTERS.

BY ORDER OF THE COMMANDER:

1 INCL
MEMO DTD 22 DEC 55

INFO CY:
CMDR, EADF

/s/ GEORGE T. DORMER
/t/ GEORGE T. DORMER
2ND LT, USAF
ASSISTANT ADJUTANT

2

0714

COPY

COPY

HQ 32D AD(D) SYRACUSE AF STA SYRACUSE NY

1/2141Z
UNCLASSIFIED

COMR 4707TH ADM OTIS AFB, FALMOUTH MASS

ROUTINE DEFERRED

X

X

/UNCLASSIFIED/ALFOUE 01133. THE FOLG MSG FROM
EADF IS QUOTED FOR YOUR INFO QUOTE/UNCL/ EADGE-DR 3336. THIS
MSG IN 2 PARTS. PART I. REF TO CONVERSATION BETWEEN SGT
KELLAM, UR HQ, AND SGT COWAN, THIS HQ 26 JAN 56. TEMP AUTH
GRANTED BY HQ ADC FOR 762 AMRON AND TEXAS TOWER 2 TO TRANSMIT
ON 2633 KCS FOR COORDINATION WITH NAVAL UNITS SVCG TEXAS TOWER.
PREV NEED NOT BE REPTD ON AF_H7 REPT. PART II. HQ USAF ADVISED
THAT USE OF BEACON ON TEXAS TOWER 2 MAY BEGIN ON 212 KCS WITH
IDENTIFIER TTB. UNQUOTE. 762ND AMRON HAS BEEN NOTIFIED.

UNCLASSIFIED 1 1

LESLIE G. HEARTZ, COL, USAF

WILLIAM W. INGENHUTT, COL, USAF

ALFOUE

070 DEPUTY OF OPERATIONS

46/4

0715

COPY

COPY

HEADQUARTERS
EASTERN AIR DEFENSE FORCE
STEWART AIR FORCE BASE, NEWBURGH, N. Y.

EOACD-CR

13 FEBRUARY 1956

SUBJECT: SEAWARD EXTENSION COMMUNICATIONS

TO: COMMANDER
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, N. Y.

1. RECENT STAFF VISITS BY REPRESENTATIVES OF THIS HEADQUARTERS TO TWO OF THE FIVE ACDW STATIONS CHARGED WITH SEAWARD EXTENSION COMMUNICATIONS RESPONSIBILITIES REVEALED THE EXISTENCE OF THE FOLLOWING CONDITIONS:

A. DESPITE THE OPERATIONAL IMPORTANCE OF THE SEAWARD EXTENSION COMMUNICATIONS CIRCUITS, THE AIR DIVISION HF EMERGENCY CIRCUITS WERE RECEIVING PRIORITY CONSIDERATION.

B. OPERATING AND MAINTENANCE PERSONNEL WERE NOT OBTAINING THE MOST EFFECTIVE OPERATION FROM INSTALLED EQUIPMENT. IN TWO INSTANCES, ANTENNAS WERE NOT PROPERLY MATCHED TO THE OUTPUT IMPEDANCE OF THE EQUIPMENT. SEVERAL RECEIVERS TUNING CONTROLS WERE NOT BEING USED TO CORRECT MINOR FREQUENCY ERRORS IN PICKET VESSEL TRANSMISSIONS.

C. AT ONE ACDW STATION, HF, VHF AND UHF RECEIVERS WERE BEING MONITORED AT ONE POSITION BY A SINGLE OPERATOR. THIS COMBINATION OF RECEIVERS AT ONE LOCATION RESULTED IN AN EXCESSIVELY HIGH NOISE LEVEL AND CONSTITUTED AN OPPORTUNITY FOR ERROR DUE TO THE NATURAL CONFUSION BEING EXPERIENCED BY THE OPERATOR.

D. THE EXPERIENCE LEVEL OF RADIO OPERATING PERSONNEL IS CONSIDERED TO BE LOW. MANY OF THE ASSIGNED RADIO OPERATORS HAD RECENTLY COMPLETED TECHNICAL SCHOOL AND DUE TO LACK OF EXPERIENCE WERE EMPLOYING POOR OPERATING TECHNIQUES.

E. OPERATING PERSONNEL WERE NOT FULLY COGNIZANT OF THE NECESSITY FOR MAINTAINING THE BEST POSSIBLE COMMUNICATIONS WITH PICKET VESSELS.

17

0716

CCPY

CCPY

FM EADF, EADGE-GR, SUBJ: SEAWARD EXTENSION COMMUNICATIONS

F. ALTHOUGH CURRENT FREQUENCY AUTHORIZATIONS WERE AVAILABLE AT THE STATIONS, CANCELLED FREQUENCIES WERE BEING UTILIZED ON THE PICKET VESSEL CIRCUITS. THE RADIO OPERATORS HAD NOT BEEN FURNISHED THE LIST OF AUTHORIZED FREQUENCIES.

G. STANDARD OPERATING PROCEDURES HAD NOT BEEN ESTABLISHED FOR FREQUENCY CHANGES, LOST CONTACT AND SIMILAR SITUATIONS. IT WAS OFTEN NECESSARY FOR THE ACW STATIONS TO USE HEAVERTAIL RADIO STATION TO RE-ESTABLISH COMMUNICATIONS WITH THE PICKET VESSEL. THIS DEFICIENCY IS ATTRIBUTED TO A LACK OF COORDINATION BETWEEN THE NET CONTROL STATION AND ITS ASSOCIATED PICKET VESSEL.

H. PLOTS RECEIVED AT THE ACW STATIONS WERE NOT ALWAYS ACKNOWLEDGED. THIS RESULTS IN PICKET VESSELS SENDING REPEATED TRANSMISSIONS IN THE BLIND.

2. THIS HEADQUARTERS PLANS TO INITIATE THE FOLLOWING ACTIONS TO IMPROVE SEAWARD EXTENSION COMMUNICATIONS.

A. A COMMUNICATIONS PLAN, PERTAINING TO ALL SEAWARD EXTENSION ELEMENTS, WILL BE PUBLISHED BY JEADEF. THIS PLAN SHOULD BE DISTRIBUTED PRIOR TO 10 MARCH 1996 TO ALL ACW STATIONS, PICKET VESSELS AND OTHER AGENCIES CONCERNED WITH SEAWARD EXTENSION COMMUNICATIONS. THIS WILL CONSOLIDATE THE OPERATING PROCEDURES, FREQUENCY ASSIGNMENTS, STATION LOCATIONS AND SIMILAR ITEMS FOR SEAWARD EXTENSION OPERATION.

B. A MEETING OF SELECTED OPERATIONS PERSONNEL OF THE U.S. NAVY AND USAF WILL BE HELD AT JEADEF PRIOR TO 10 MARCH 1996 TO STANDARDIZE OPERATING PROCEDURES.

C. PLANS HAVE BEEN COMPLETED FOR THE DELETION OF SECONDARY ACW STATIONS FROM THE PICKET VESSEL RADIO NETS.

3. THE FOLLOWING ACTION BY APPROPRIATE AIR DIVISIONS IS REQUIRED.

A. IMMEDIATE ACTION WILL BE INITIATED TO INSURE THAT SEAWARD EXTENSION COMMUNICATIONS RECEIVE OPERATIONAL AND TECHNICAL PRIORITY OVER AIR DIVISION EMERGENCY NETS BECAUSE THE FORMER ARE PRIMARY COMMUNICATIONS WHILE THE LATTER ARE PROVIDED AS LANDLINE BACKUP.

0717

CCFY

CCFY

1. a. EADF, EADGE-CR, SUBJ: SEAWARD EXTENSION COMMUNICATIONS

b. IF FEASIBLE, THE VHF AND UHF RECEIVERS WILL BE PHYSICALLY SEPARATED FROM THE HF MONITORING POSITIONS AT ALL ACW¹ SITES. IN ANY INSTANCE WHERE THE MONITORING POSITIONS CANNOT BE SEPARATED FOR OPERATIONAL OR TECHNICAL REASONS, THIS HEADQUARTERS WILL BE NOTIFIED. HF MONITORING POSITIONS FOR SEAWARD EXTENSION COMMUNICATIONS WILL BE MANNED 24 HOURS DAILY BY QUALIFIED RADIO OPERATORS.

c. ACW¹ STATIONS WILL BE REQUIRED TO ACKNOWLEDGE RECEIPT FOR MESSAGES FROM PICKET VESSELS TO THE MAXIMUM EXTENT POSSIBLE.

d. ACW¹ STATIONS RESPONSIBLE FOR SEAWARD EXTENSION COMMUNICATIONS WILL RECEIVE PRIORITY CONSIDERATION IN THE ASSIGNMENT OF EXPERIENCED RADIO OPERATORS. IMMEDIATE ACTION IS MANDATORY TO INCREASE THE SKILL LEVEL OF ASSIGNED RADIO OPERATORS BY AN INTENSIVE TRAINING PROGRAM.

4. IT IS NECESSARY THAT ALL PERSONS CONCERNED WITH SEAWARD EXTENSION COMMUNICATIONS REALIZE THE OPERATIONAL IMPORTANCE OF THE SEAWARD EXTENSION ELEMENTS AND THE NEED FOR EFFECTIVE COMMUNICATIONS BETWEEN THE SEAWARD EXTENSION ELEMENTS AND ASSOCIATED SHORE STATIONS. THIS COMMUNICATIONS PROBLEM IS RECEIVING COMMAND ATTENTION AT THIS AND HIGHER HEADQUARTERS LEVEL AND WILL CONTINUE TO BE EMPHASIZED UNTIL THE DESIRED COMMUNICATIONS PROFICIENCY IS OBTAINED AND ASSURANCE EXISTS THAT THIS PROFICIENCY WILL BE MAINTAINED.

BY ORDER OF THE COMMANDER

/s/ R. MORRISON
MAJOR, USAF
ASSISTANT ADJUTANT

0718

CCPY

CCPY

HQ EADDF EADDE-CR SUBJ: SEAWARD EXTENSION COMMUNICATIONS

OCCE (13 Feb 56)

1ST IND

23 FEB 1956

HQ 32D AIR DIVISION (DEFENSE) SYRACUSE AIR FORCE STATION, SYR 6,
NEW YORK

TO: COMMANDER, 4707TH AIR DEFENSE WING, OTIS AIR FORCE BASE,
FALMOUTH, MASSACHUSETTS

1. REQUEST THE BASIC LETTER BE FORWARDED TO ALL UNITS CON-
CERNED.

2. IT IS IMPORTANT THAT PARAGRAPH 3 OF THE BASIC LETTER BE
GIVEN UTMOST ATTENTION. ANY PROBLEMS WITH REGARD TO THIS PARA-
GRAPH SHOULD BE REFERRED IMMEDIATELY TO THIS HEADQUARTERS.

BY ORDER OF THE COMMANDER:

/s/ GEORGE T. DORNER
/t/ GEORGE T. DORNER
2ND LT, USAF
ASSISTANT ADJUTANT

0719

COPY

COPY

HEADQUARTERS
320 AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

OOT-A

1 MAR 1956

SUBJECT: COMMENTS ON JEADFM 55-T

TO: COMMANDER
EASTERN AIR DEFENSE FORCE
ATTN: DEPUTY FOR OPERATIONS
STEWART AIR FORCE BASE
NEWBURGH, NEW YORK

1. WITH REFERENCE TO JEADFM 55-T, SUBJECT: CONCEPTS FOR CONDUCTING AIR DEFENSE, THE FOLLOWING COMMENTS ARE SUBMITTED:

A. IT IS FELT THAT AC&W SQUADRONS LACK SPECIFIC DIRECTIVES CONCERNING RESPONSIBILITIES TO AND RELATIONS WITH THEIR RESPECTIVE PICKET VESSEL STATIONS.

- (1) PRIMARY AC&W SQUADRONS AFFORD THE ONLY LINK BETWEEN THE AIR DEFENSE SYSTEM AND ON-STATION PICKET VESSELS.
- (2) THE PICKET VESSEL RELIES ENTIRELY ON THE AC&W SQUADRON FOR DATA FLOW RELATIVE TO IMPENDING EXERCISES, INCREASED CONDITIONS OF ALERT AND THE GENERAL TACTICAL SITUATION.
- (3) IT IS RECOMMENDED THAT PERTINENT AC&W SQUADRON RESPONSIBILITIES TOWARD PICKET VESSELS BE INCLUDED IN SECTIONS IV AND V.

B. PARAGRAPH 29b(3) (A) OF THE MANUAL APPEARS TO CONFLICT WITH POLICY SET FORTH IN YOUR LETTER (SECRET), FILE: EACOT-06, SUBJECT: INTERIM MEASURES FOR THE EMPLOYMENT OF AAA GUN OR MISSILE WEAPONS, DATED 12 AUGUST 1955, REGARDING THE INITIATION OF CORRIDORS.

C. PARAGRAPH 29c OF THE MANUAL APPEARS TO CONFLICT WITH HEADQUARTERS, CONTINENTAL AIR DEFENSE COMMAND LETTER (CONFIDENTIAL), FILE: CONADOT-81, SUBJECT: ENGAGEMENT BY ANTI-AIRCRAFT OVER CANADA, DATED 9 JUNE 1955.

D. REFERENCE SHOULD BE MADE TO TRACK DATA PROVIDED BY GUC SOURCES IN PARAGRAPHS 20e, 24(6), 25 AND 27b.

49

0720

COPY

COPY

HQ 32D AD(B) OOT-A SUBJECT: COMMENTS ON JEADFM 55-T

2. OTHER RECOMMENDED CHANGES TO THIS MANUAL HAVE PREVIOUSLY BEEN COORDINATED WITH YOUR HEADQUARTERS AND ARE NOT REPEATED HEREIN.

FOR THE COMMANDER:

/s/ EVERITT W. HOWE
/t/ EVERITT W. HOWE
MAJOR, USAF
ADJUTANT

0721

COPY

COPY

14-17002

TO: JCS (C) - STRATEGIC AND TACTICAL AIR
UNCLASSIFIED
DEFENSE

FOR: JCS (C) - STRATEGIC AND TACTICAL AIR
UNCLASSIFIED
DEFENSE
LTD TO MAR 56, 1953. FREDERICK W. BOYNTON, JR. (S-1022)
FIELD OFFICE TO DEVELOP AN OCF FOR FTO OF CTF
CLASSIFICATION OF OCF: SECRET. RESERVATIONS NOT
REQUIRED.

UNCLASSIFIED

LESLIE G. HENRY, CGMA, USAF MILITARY SECURITY, USAF
AFHQ 21102 13 MAR 56 070 DEPUTY OF OPERATIONS

58

0722

COPY

COPY

CONFIDENTIAL

6508 AIRCRAFT CONTROL AND TRAINING CENTER
SARATOGA SPRINGS AIR FORCE STATION
SARATOGA SPRINGS, NEW YORK

DATE

20 DECEMBER 1957

SUBJECT: TICKET VESSEL MONITOR INTERFERENCE

TO: COMMANDER
470TH AIR DEFENSE WING
OTIS AIR FORCE BASE
MASSACHUSETTS

1. IN ACCORDANCE WITH A CONFIDENTIAL ENDF MESSAGE EACCE-OR 1480, 212130Z, NOVEMBER 1957, SUBJECT, TICKET VESSEL COMMUNICATIONS, THIS HEADQUARTERS HAS COORDINATED WITH THE 762ND AWRON AS TO FREQUENCY ASSIGNMENT UTILIZATION AS PER SUBJECT MESSAGE.

2. FREQUENCY 4075 KCS HAS BEEN ESTABLISHED AS A PRIMARY DAY FREQUENCY BETWEEN THE 762ND AWRON AND TICKET VESSEL NET TWO (2).

3. IN THE ROUTINE MONITORING OF SAID FREQUENCY THIS HEADQUARTERS HAS EXPERIENCED INTERMITTENT INTERFERENCE FROM BLUE DEVIL (142ND FTR SQD SQ, (MG) IN CONTACT WITH JEEP DOCTOR (104TH FTR SQD SQ, (MG) BETWEEN 1507Z AND 1509Z ON 10 DECEMBER 1957 AS INDICATED BY INCLOSURE #1, HF LOG. ALSO, INTERFERENCE WAS EXPERIENCED FROM BLUE DEVIL IN CONTACT WITH BLUE DEVIL 2 AND BLUE DEVIL 3 (LOCATIONS UNKNOWN) BETWEEN 1636Z AND 1745Z ON 17 DECEMBER 1957 AS INDICATED BY INCLOSURE #2, HF LOG.

4. FURTHER CHECKING OF ENDF OBT AREA 11-4W, IT WAS NOTED THAT THE SUBJECT FREQUENCY IS ASSIGNED TO THE 30TH AIR DIVISION AS CHANNEL NUMBER U-32.

FOR THE COMMANDER:

S/1 ROBERT D. WOOD
C/O W2 USAF
ASSISTANT

CONFIDENTIAL

003-76

51/1

0723

CCPY

CCPY

CONFIDENTIAL

636TH ACFT SQ AOWSE SUBJECT: PICKET VESSEL MONITOR INTERFERENCE

INFO (20 DEC 55) 1ST IND 20 DEC 1955

HEADQUARTERS 4707th AIR DEFENSE WING, 6115 AIR FORCE BASE, MASS.

TO: COMMANDER, 32d AIR DIVISION, SYRACUSE AIR FORCE STATION, SYR C,
NEW YORK

1. FORWARDED FOR YOUR INFORMATION AND NECESSARY ACTION.
2. THE INFORMATION CONTAINED IN THIS INCORSEMENT IS UNCLASSIFIED.

FOR THE COMMANDER:

2 INCL:

1. RADIO LOG, 18 DEC 55 (TRIP)
2. RADIO LOG, 19 DEC 55 (TRIP)

T/S FOREST L LITTLE
1ST LT, USAF
ADJUTANT

CONFIDENTIAL

003-36

0724

COPY

COPY

CONFIDENTIAL

RADIO LOG
656TH AIRCRAFT CONTROL AND MARKING SQUADRON

SFA CALL EGGNOG DATE 16 DECEMBER 1955
 WGS ASH NET FICKET NET

////EXTRACT////

TIME (Z)	TO	FROM	FREQ	TRAFFIC/REMARKS
1505Z	FISH-D	EGG	YOKE	DU U RD OVR
1507Z	EGG	FISH-DYOKE		RD U LD AND CLR OVR
1507Z	FISH-D	EGG	YOKE	RGR RD U LD AND CLR ALSO I HEARD UR STA WHITTING ON THIS FREQ AND I WAS WONDERING WHAT THE DEAL WAS. THIS FREQ FOR US IS USED FOR PASSING A/C DIRECTION PLOTS. NOW I WAS WONDERING IF THIS FREQ WAS ASSIGNED TO YOU. I HAVE HAD UR STA BEFORE ON THE FREQ OF 3255 KCS HRS AND I WANTED TO ENTER IT INTO MY LOG CAR
1508Z	EGG	FISH-D YOKE		RGR EGG "U ARE ON THE FREQ 4075 AND I WEDEN GIVEN THIS FREQ A VERY SHORT TIME AGO YOU ARE RIGHT. WE USED TO TO USE THE HARS FREQ FOR OUR CONTACTS AND WILL CHECK FURTHER INTO THIS. WE DO NOT WANT TO INTER- FERE WITH YOU. WE HAVE CONTACTS EACH DAY AT 1000EST AND 1400EST FOR APPROX 5 MIN. WILL ALSO ENTER THIS INTO OUR LOG CAR
1509Z	FISH-D	EGG	YOKE	RGR THANK YOU VERY MUCH FOR THIS INFO EGG CLEAR

CONFIDENTIAL

0725

CCPY

CCPY

CONFIDENTIAL

RADIO LOG
656TH AIR CRAFT CONTROL AND WARNING SQUADRON

STA CALL EGWNCG

DATE 12 DECEMBER 1975

NOS MAN

NET BICKET NET

////EXTRACT////

TIME(Z)	TO	FROM	FREQ	TRAFFIC & REMARKS
1636Z				(BLUE DEVIL AND BLUE DEVIL M/C MAKING CONTACT COMING IN LH AND CLR)
1640Z				(NO SIGS HRD)
1700Z				(NO SIGS HRD)
1706Z				S/SGT JOSEPH REEVES OFF DUTY
1706Z				A/TC RONALD F. KAUFMAN ON DUTY
1715Z				(BLUE DEVIL AND BLUE DEVIL M/C PASSING TRFC)
1730Z				(NO SIGS HRD)
1745Z				(BLUE DEVIL M/C AND BLUE DEVIL THREE PASSING TRFC)
1800Z				(BLUE DEVIL M/C AND BLUE DEVIL THREE PASSING TRF)
1815Z				(BLUE DEVIL M/C AND BLUE DEVIL THREE PASSING TRFC)
1830Z				MAN AND TF PASSING INFO/DBL M/T INTERF)
1845Z				(BLUE DEVIL M/C AND BLUE DEVIL THREE PASSING TRFC)

CONFIDENTIAL

0726

COPY

COPY

CONFIDENTIAL

FM 656TH AGDN SQDN ACDME SUBJECT: PICKET VESSEL MONITOR INTER-
FERENCE

OCLE (20 DEC 55)

2ND IND

16 JAN 1956

FM 32D AIR DIVISION (DEFENSE) SYRACUSE AIR FORCE STATION, SYR C,
NEW YORK

TO: COMMANDER, EASTERN AIR DEFENSE FORCE, STEWART AIR FORCE BASE,
NEWBURGH, NEW YORK

1. FORWARDED FOR YOUR INFORMATION AND NECESSARY ACTION.
2. THE INFORMATION CONTAINED IN THIS INDORSEMENT IS UNCLASSIFIED.

FOR THE COMMANDER:

2 INCL:
N/A

/S/ EVERETT W. HOWE
/T/ EVERETT W. HOWE
MAJOR, USAF
ADJUTANT

CONFIDENTIAL

003-76

0727

COPY

COPY

1. 321 (U) ARTICLE OF DATA BY WJEE BY 20/13202 JAN 56

YOUR SELF STEWART WFB MEMORANDUM BY

CONFIDENTIAL
CONFIDENTIAL

FRIENDLY

CONFIDENTIAL/AFS CUE 01127. FOLG IS REPT BY WJEE OF THE
CONTACT BETWEEN AURORA AND IV AS RE: BY YOUR R: 7648. AURORA -
SUMMARY OF CONTACT WITH IV IS AS FOLG: FREQ F TOTAL OF 76 CONTACTS,
63 PER CENT G-R BIPYS, 7 PER CENT FO-R /G-R, 3 PER CENT G/R/A-R,
2 PER CENT Y-R/G-R, 2 PER CENT Y-R BIPYS, 3 PER CENT 30 FO-R,
7 PER CENT FO-R BIPYS, 13 PER CENT ZUG 30. FREQ 1, TOTAL OF 107
CONTACTS, 74.3 PER CENT G-R BIPYS, 14 PER CENT FO-R BIPYS, 11.2
PER CENT ZUG 30. FREQ 2, TOTAL OF 3 CONTACTS, 62 PER G-R BIPYS,
35 PER CENT ZUG 30, 13 PER CENT G-R / R-R. CONTACT 15 DAY FOR
EXISTING C. 7. 6508. AURORA - SUMMARY OF IV CONTACTS AS FOLG: 1 - EQ 55

CONFIDENTIAL

CONFIDENTIAL

51/2

0728

COPY

COPY

11. 33. 4(1) GRADE IV STAFF

CONFIDENTIAL
CONFIDENTIAL

FRONT

THRU 31 DEC 55, CHAIR USED WHERE NEEDED. AVG RELIABILITY OF TV
 WAS NEW BUT RELIABLE. SEVERAL CONTACTS OF GOOD AND RELIABLE DURING
 BOTH DAYS. FROM 1 JAN 56 THRU 31 JAN 56, CHAIR F USED, AVG RELI-
 ABILITY GIVEN BY TV NEW BUT RELIABLE WITH OCCASIONAL CONTACTS
 OF GOOD AND RELIABLE BOTH DAYS. RELIABILITY AS STATED ABOVE VARIES
 IN STRENGTH. DURING PM NO CONTACT TO GOOD AND RELIABLE, POSSIBLE
 CAUSE - TV CHAIRING POSITION. CHAIR B AND F USED OCCASIONALLY
 FROM 1 DEC 55 THRU 31 DEC 55 BUT NO CONTACT ESTABLISHED. APPROX
 75 PER CENT OF ATTEMPTED CONTACTS LOGGED AS NEG. STAFF OF 30
 610MTR AND 50 000 ROVR. FREED USED WERE DESIGNATED BY HQ. RE-
 SONS ON A TRIAL BASIS. 7621 MARCH - 1 DEC THRU 10 DEC 55
 Y AND F WERE USED PRIMARILY. 30 PERCENT LOW AND CLEAR, 10 PER
 CENT NEW BUT RELIABLE, 10 PER CENT UNRELIABLE WITH CONSIDERABLE
 ATMOSPHERIC INTERFERENCE. 11 DEC THRU 20 DEC Y AND F WERE USED
 PRIMARILY. 75 PER CENT LOW AND CLEAR, 10 PER CENT NEW BUT

CONFIDENTIAL

CONFIDENTIAL

0729

COPY

COPY

CONFIDENTIAL

W. 320 (10) SYNOPSIS OF DATA

CONFIDENTIAL

SECRET

RELIABLE, 15 PER CENT UNRELIABLE WITH MOST DIFFICULTY ENCOUNTERED
 ON Y AND DURING CHANGE OVER. 21 THRU 26 DEC Y AND F USED. USED,
 95 PER CENT USED AND CLEAR, 5 PER CENT NEW BUT RELIABLE TO UN-
 RELIABLE. MOST DIFFICULTY WITH F UNIT. 27 DEC THRU 3 JAN F UNIT
 USED. TEST REVEALED CHAN F, USED NIGHT AND DAY SINCE 27 DEC,
 HAS PROVIDED APPROX 100 PER CENT RELIABILITY INCLUDING TIMES WITH
 HEAVY AIRCRAFT. RECOMMEND CHAN F FOR PRIMARY TELLING CIRCUIT
 DAY AND NIGHT. 654TH AIRCORN - PERIOD 1 DEC 55 THRU 3 JAN 56
 CONTACT FAIRLY GOOD. FORCE OF IDENTIFICATION FOR ANY 25 HR PERIOD
 WAS BETWEEN 185 OF 0100 AND 0300Z. F UNIT GOOD BETWEEN 6 AND 25
 DEC AND 1 THRU 3 JAN. D UNIT FOUR IN THESE PERIODS. RECOMMEND
 MORE POWERFUL TRANS WITH BETTER ANTENNA AND MATCHED CABLES.
 RECOMMENDATIONS OF THIS REPORT ARE: 1. BETTER E/F SIGNALS (BLOCK 75).
 2. IMPROVED ANTENNA. 3. DETERMINE THE MOST RELIABLE FREQ AND
 USE THIS AS THE PRIMARY

CONFIDENTIAL

CONFIDENTIAL

LESLIE W. HARTZ, COL., USAF - WILLIAMS, HUGHSON, COL., USAF
 OLE OTO DEPT OF OPERATIONS 104-56

0730

CONFIDENTIAL

HEADQUARTERS
32d AIR DIVISION (ACTIVE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

012

3 FEB 1 56

SUBJECT: CALL WORD ASSIGNMENT FOR PICKET SHIPS

R:	COMMANDER	COMMANDER
	4707th AIR DEFENSE WING	4711th AIR DEFENSE WING
	ETIS AIR FORCE BASE	FRESQUE ISLE AIR FORCE BASE
	FALMOUTH, MASSACHUSETTS	FRESQUE ISLE, MAINE

THE FOLLOWING INFORMATION HAS BEEN RECEIVED FROM EADF IN MESSAGE EADF-UR 0006. CALL WORD ASSIGNMENT FOR PICKET STATION 6 SHOULD READ "BALT CROSS" INSTEAD OF "LAY CHECK", AND PICKET STATION 10 SHOULD READ "BANK FOG" INSTEAD OF "WING MAN". THIS CORRECTS ERRONEOUS INFORMATION CONTAINED IN EADF MESSAGE EADF-UR 0076. REQUEST ALL HOLDERS OF ADF TACTICAL CALL WORDS AND CALL SIGNAL LIST BE NOTIFIED. EADF HAS INFORMED 654th WARRON, 650th WARRON, 762d WARRON AND 764th WARRON BY PRIORITY MESSAGE.

BY ORDER OF THE COMMANDER:

/s/ GEORGE T. DORNER
/t/ GEORGE T. DORNER
2NDLT, USAF
ASSISTANT ADJUTANT

CONFIDENTIAL

51/a

205-56

0731

COPY

COPY

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

OGE

21 FEB 1956

SUBJECT: UNAUTHORIZED TRANSMISSIONS

THRU: COMMANDER
4707TH AIR DEFENSE WING
OTIS AIR FORCE BASE
FALMOUTH, MASSACHUSETTS

TO: COMMANDER
654TH AC&W SQUADRON
BRUNSWICK NAVAL AIR STATION
BRUNSWICK, MAINE

1. CORRESPONDENCE REFERRING TO YOUR IMPROPER USAGE OF COMMUNICATIONS FACILITIES HAS BEEN EXCEEDINGLY PREVELANT AT THIS HEADQUARTERS. THE LATEST REFERENCE IS IN THE FOLLOWING EXTRACT OF A NAVY PICKET VESSEL REPORT:

"FREQUENTLY A STATION IDENTIFYING HIMSELF AS "WILD BILL RADIO" BREAKS IN ON THE CIRCUIT. THESE INTERRUPTIONS HAVE OCCURRED DURING THE REPORTING OF CONTACTS IN ADDITION TO PERIODS OF SILENCE. THE LOCATION OF THIS STATION IS UNKNOWN AND HIS LACK OF PROPER COMMUNICATIONS PROCEDURES INDICATE THAT HE CANNOT HEAR TRANSMISSIONS FROM "WILD BILL." IT IS RECOMMENDED THAT THIS STATION BE COORDINATED INTO THE NET OR ELIMINATED ALTOGETHER."

THESE TRANSMISSION OCCURRED DURING THE MONTH OF JANUARY.

2. IT HAS BEEN DETERMINED THAT THE UNAUTHORIZED TRANSMISSIONS ARE BEING MADE AT YOUR SITE AND ARE THE RESULT OF AN UNDESIRABLE OPERATING PROCEDURE. TO CORRECT THIS DISCREPANCY THE FOLLOWING ACTION IS DIRECTED:

A. TAKE IMMEDIATE ACTION TO PREVENT ANY REOCCURRENCE OF IMPROPER PROCEDURES.

B. DISCONTINUE THE USE OF THE WORD "RADIO" IN YOUR CALL SIGN AND MONITOR FREQUENCIES BEFORE TRANSMITTING.

51/4

0732

1
COPY

COPY

Hq 32D AD(D) OCE SUBJECT: UNAUTHORIZED TRANSMISSIONS

C. SHIFT FREQUENCIES AT A PREDETERMINED TIME COORDINATED WITH THE DISTANT TRANSMITTING STATION TO ASSURE CONTINUITY OF COMMUNICATIONS.

D. PREPARE A WORKABLE SOP FOR THE OPERATION OF YOUR STATION WITH RESPECT TO PICKET VESSEL COMMUNICATIONS AND FORWARD COPIES TO THIS HEADQUARTERS FOR REVIEW.

3. YOUR ATTENTION IS INVITED TO THE FACT THAT SEAWARD EXTENSION COMMUNICATIONS NETS ARE PRIMARY, WHEREAS OTHER RADIO NETS OPERATED AT YOUR STATION ARE FOR BACK-UP SUCH AS THE AIR DIVISION CALL NET AND MARS. IT APPEARS THAT THE EFFORTS OF OPERATING PERSONNEL AT YOUR SITE ARE BEING MISDIRECTED. THE SEAWARD EXTENSION COMMUNICATIONS ARE BEING GIVEN COMMAND ATTENTION AT ALL ECHELONS. THEREFORE YOU SHOULD ASSURE THAT YOUR BEST QUALIFIED PERSONNEL ARE ASSIGNED TO THIS DUTY COMBINED WITH FREQUENT COMMAND INSPECTIONS OF THE OPERATION.

BY ORDER OF THE COMMANDER:

/s/ GEORGE T. DORMER
/t/ GEORGE T. DORMER
2ND LT, USAF
ASSISANT ADJUTANT

COPY

COPY

654TH AIRCRAFT CONTROL AND WARNING SQUADRON
U. S. NAVAL AIR STATION
BRUNSWICK, MAINE

13 MARCH 1956

SUBJECT: U.S. NAVY PROPOSAL TO COMBINE OFF-BASE TRANSMITTING FACILITIES

TO: COMMANDER
32ND AIR DIVISION
SYRACUSE AIR FORCE STATION
SYRACUSE, NEW YORK

1. REFERENCE, LETTER, U.S. NAVAL AIR STATION, SUBJECT: "HARDING TRANSMITTER, INFORMATION CONCERNING", FILE NA202:LL:RM, 10:N28, SERIAL 428, 29 FEBRUARY 1956, W/2 INCLOSURES.
2. IN ACCORDANCE WITH REQUEST OUTLINED IN LETTER THIS UNIT, SUBJECT: PLANS FOR PROPOSED OFF-BASE "HARDING PLANT" TRANSMITTER SITE, 14 FEBRUARY 1956U, TO THE COMMANDING OFFICER, B.N.A.S., FOR SPECIFIC INFORMATION ON THE PROPOSED OFF-BASE TRANSMITTING FACILITIES OF THE U.S. NAVAL AIR STATION AT BRUNSWICK, MAINE, THE REPLY WAS RECEIVED IN THE REFERENCED LETTER ATTACHED HERETO, WITH TWO (2) INCLOSURES.
3. IN VIEW OF THE PLANS OF THE NAVY TO REMOTE ALL OF THEIR TRANSMITTING FACILITIES TO AN OFF-BASE SITE TO PRECLUDE POSSIBLE INTERFERENCE WITH PROGRAMMED LANDING AND NAVIGATIONAL AIDS, I.E.: FACAN, AND OMNI-RANGE, A PROPOSAL WAS MADE BY THE NAVY TO INCLUDE THE REMOVAL OF THE AIR FORCE'S TRANSMITTING FACILITIES TO THE SAME LOCATION, PER PARAGRAPH 1, INCLOSURE 1.
4. IT IS TO BE APPRECIATED THAT THE NAVY PLANS, WHILE APPARENTLY FORMULATED INTO A RELATIVELY FIRM PROJECT, STILL LEAVE INDEFINITE INFORMATION ON BUDGETARY APPROVAL WHICH WOULD PRECLUDE REALISTIC TARGET DATES FOR AIR FORCE PLANNING, REFERENCE PARAGRAPH 3, INCLOSURE 1.
 - A. FURTHER IT IS NOTED THAT THEIR PROPOSAL IS MADE AS AN INTERIM MEASURE, PARAGRAPH 1, INCLOSURE 1.
5. AVAILABLE INFORMATION AT THIS LEVEL INDICATES AIR FORCE TARGET DATES FOR THE PLANNED EVENTUAL REMOVAL OF THE TRANSMITTING AND RECEIVING AIR-TO-GROUND AND POINT-TO-POINT FACILITIES TO THE TOPSHAM AREA WILL BE IN FY57. THEREFORE, SERIOUS DOUBTS ARISE WHETHER THE BALUE AND OVERALL RESULTS REALIZED BY REMOVING THE AIR FORCE TRANSMITTING FACILITIES TO THE PLANNED NAVAL TRANSMITTING

5115

0734

COPY

COPY

LTR, 654TH AC&W Sq, SUBJ: U.S. NAVY PROP TO COMBINE OFF-BASE TRANS FAC (CONT'D)

SITE, WOULD BE COMMENSURATE WITH THE EXPENDITURES OF EFFORT AND AIR FORCE FUNDS REQUIRED AS AN INTERIM MEASURE. THE COST OF RECONSTRUCTING THE AIR FORCE UHF, VHF, AND HF ANTENNA FACILITIES AT THE NAVAL SITE, PLUS PROVISION FOR A 51 PAIR TELEPHONE CABLE FACILITY OVER AN APPROXIMATE FIVE (5) MILE ROUTE AND THE MONTHLY CHARGES THEREOF, WOULD BE A SERIOUS FINANCIAL FACTOR TO BE CONTEMPLATED.

6. THIS PROPOSAL IS FORWARDED FOR YOUR EVALUATION AND DECISION IN VIEW OF WHAT IS CONSIDERED AS A POSSIBLE CONFLICT OF INTERESTS AND THE CONSIDERABLE FUND EXPENDITURES INVOLVED.

- 3 INCLS
1. LTR FROM COMDG OFF, U.S.N.A.S.
 2. FLOOR PLAN OF NAVY TRANS BLDG, DWG A-2
 3. REMOTE TRANS BLDG AND FACILITIES LAYOUT, DWG C-1

/s/ LESTER B. GOLDBERG
/t/ LESTER B. GOLDBERG
MAJOR, USAF
COMMANDER

INFO: COMDR, 23RD FTR GP, PRESQUE ISLE AFB, PRESQUE ISLE, ME

0735

COPY

COPY

654TH ACWRON SUBJ: U.S. NAVY PROPOSAL TO COMBINE OFF-BASE TRANSMITTING FACILITIES

OCE (13 MAR 56)

1ST IND

20 MAR 1956

HEADQUARTERS, 32D AIR DIVISION (DEFENSE), SYRACUSE AIR FORCE STATION,
SYRACUSE 6, NEW YORK

TO: COMMANDER, EASTERN AIR DEFENSE FORCE, STEWART AIR FORCE BASE,
NEWBURGH, NEW YORK

TO IMPROVE SEAWARD EXTENSION COMMUNICATIONS, AS AN INTERIM MEASURE, IT IS REQUESTED YOUR HEADQUARTERS GIVE THE INCLOSED CORRESPONDENCE YOUR CONSIDERATION.

FOR THE COMMANDER

3 INCLS
N/C

/s/ EVERITT W. HOWE
/t/ EVERITT W. HOWE
MAJOR, USAF
ADJUTANT

3

0736

C O P Y

C O P Y

654TH ACWRON SUBJ: U.S. NAVY PROPOSAL TO COMBINE OFF-BASE
TRANSMITTING FACILITY

EAOCE-CR (13 MAR 56)

2ND IND

5 APRIL 1956

HQ EASTERN AIR DEFENSE FORCE, STEWART AIR FORCE BASE, NEWBURGH, N.Y.

TO: COMMANDER, 32D AIR DIVISION (DEFENSE), SYRACUSE AIR FORCE
STATION, SYRACUSE 6, NEW YORK

1. THIS HEADQUARTERS HAS REVIEWED THE NAVY'S PROPOSAL TO
RELOCATE THE AIR FORCE H.F. TRANSMITTERS TO THE PROPOSED HARDING
PLANT SITE. IN VIEW OF THE CURRENT PLANNING TO RELOCATE OUR
RADIO FACILITIES TO TOPSHAM IT IS FELT THAT AN INTERIM MOVE
AS PROPOSED BY THE NAVY IS NOT ECONOMICALLY NOR OPERATIONALLY
JUSTIFIABLE AT THIS TIME.

2. IT IS THE DESIRE OF THIS HEADQUARTERS THAT THE 654TH
AC&W SQUADRON CONTINUE OPERATIONS FROM PRESENT FACILITIES
UNTIL SUCH TIME AS TOPSHAM BECOMES OPERATIONAL.

BY ORDER OF THE COMMANDER:

3 INCLS:
N/C

s/T/ J.W. FOUNTAIN JR
MAJOR, USAF
ASST ADJUTANT

OCE (13 MAR 56)

3RD IND

12 APR 1956

HQ 32D AR DIVISION (DEFENSE), SYRACUSE AIR FORCE STATION,
SYRACUSE 6, NEW YORK

TO: COMMANDER, 654TH AC&W SQUADRON, BRUNSWICK NAVAL AIR STATION,
BRUNSWICK, MAINE

FORWARDED FOR ACTION AS INDICATED IN PRECEDING INDORSEMENT.

BY ORDER OF THE COMMANDER:

3 INCLS:
N/C

/s/ WILLIAM C. BUTLER
/t/ WILLIAM C. BUTLER
2ND LT, USAF
ASSISTANT ADJUTANT

0737

COPY

COPY

HEADQUARTERS
EASTERN AIR DEFENSE FORCE
STEWART AIR FORCE BASE, NEWBURGH, N. Y.

EADCE-UR

15 MARCH 1956

SUBJECT: REPROGRAMMING OF HF RADIO FACILITIES TO BRUNSWICK NAS
(P-13)

TO: COMMANDER
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YOR.

1. REPROGRAMMING IS REQUESTED TO RELOCATE ONE (1) AN/GRC-26 FROM NORTH CONCORD AFS TO BRUNSWICK NAS (P-13) FOR USE ON RADIO TELETYPE CIRCUIT TO PICKET SHIP. THIS ACTION IS AN ATTEMPT TO IMPROVE PICKET SHIP COMMUNICATIONS BY INSTALLATION OF AN EXPERIMENTAL CIRCUIT USING TACTICAL TYPE EQUIPMENT.

2. THE FC DOCUMENT SHOULD READ, UPON COMPLETION OF REPROGRAMMING ACTION, AS FOLLOWS:

A. BRUNSWICK NAS

6423 RATT HF DXJ TERM MED POWER
FOR AEN&C AND FS OPNS CAPABLE OF A-1, A-3,
F1 EMISSION

0001 AN/GRC-26 P456 ADG ADG

B. NORTH CONCORD AFS

6423 RA VOICE HF TERM LO POWER
EMERG TACT VOICE, RATT OR CW w/ADCC

0001 AN/GRC-26 P456 ADG ADG

3. THIS INSTALLATION OF AN/GRC-26 BRUNSWICK NAS MUST BE COORDINATED WITH, AND AGREED UPON IN WRITING BY, THE COMMANDER, BRUNSWICK NAS. EMPHASIS SHOULD BE PLACED ON THE TEMPORARY NATURE OF THE ANTENNA INSTALLATION AND THE FACT THAT THE COMPLETE INSTALLATION WILL BE ACCOMPLISHED WITHIN THE CURRENT TRANSMITTER ANTENNA FARM AREA.

51/7

0739

COPY

COPY

HQ EADF, EADCE-OR, SUBJ: REPROGRAMMING OF HF RADIO FACILITIES TO
BRUNSWICK NAS (P-13)

4. SUBMISSION OF AF FORMS 1295 AND 1295A SHOULD BE IN ACCORD-
ANCE WITH EADFR 100-3 AND RELOCATION OF EQUIPMENT CANNOT BE OFFICI-
ALLY COMPLETED UNTIL FC CHANGES ARE APPROVED BY HEADQUARTERS, USAF.

BY ORDER OF THE COMMANDER:

/s/t/ BEN D. MCCREHEAD
CAPTAIN, USAF
ASST ADJUTANT

0740

COPY

COPY

HQ EADF, EADCE-OR SUBJ: REPROGRAMMING OF HF RADIO FACILITIES TO
BRUNSWICK NAS (P-13)

CCE (15 MAR 56)

1ST IND

26 MAR 1956

HQ 32D AIR DIVISION (DEFENSE), SYRACUSE AIR FORCE STATION, SYR 6,
SYRACUSE, NEW YORK

TO: COMMANDER, 654TH AC&W SQUADRON, BRUNSWICK NAVAL AIR STATION,
BRUNSWICK, MAINE

1. THE INCLOSED LETTER FROM EASTERN AIR DEFENSE FORCE IS
FORWARDED FOR YOUR NECESSARY ACTION.
2. IT IS REQUESTED THAT ACTION AS OUTLINED IN BASIC LETTER
BE ACCOMPLISHED AS SOON AS POSSIBLE.

BY ORDER OF THE COMMANDER:

/s/ GEORGE T. DORMER
/t/ GEORGE T. DORMER
2ND LT, USAF
ASSISTANT ADJUTANT

COPY

COPY

HQ EADF, EADCE-OR SUBJ:REPROGRAMMING OF HF RADIO FACILITIES TO
BRUNSWICK NAS (F-13)

OCE (15 MAR 56)

1ST IND

21 MAR 1956

HQ 32D AIR DIVISION (DEFENSE), SYRACUSE AIR FORCE STATION, SYR 6,
NEW YORK

TO: COMMANDER, 911TH AC&W SQUADRON, NORTH CONCORD AIR FORCE STATION,
NORTH CONCORD, VERMONT

1. THE INCLOSED COPY OF LETTER FROM EASTERN AIR DEFENSE FORCE
IS FORWARDED FOR YOUR INFORMATION AND NECESSARY ACTION.
2. REQUEST FC ACTION AS OUTLINED IN PARAGRAPHS TWO AND FOUR
BE ACCOMPLISHED AS SOON AS POSSIBLE.

BY ORDER OF THE COMMANDER:

/s/ GEORGE T. DORMER
/t/ GEORGE T. DORMER
2ND LT, USAF
ASSISTANT ADJUTANT

0742

COPY

COPY

22/21352 MAR 50

CONFIDENTIAL

PL 321 3000 YAGUE W3 BYRWA ELY
JUN 14 18 574 081 EIL W ALLEN W3 "INDO AIT"
JUN 23 19 574 081 BRESLE 104E W3 "HES DE 104E"

CONFIDENTIAL

DEPARTMENTAL USE: ALFA CHARLIE FOXTROT CHARLIE
EUK 22142 (H) CALL SIGNS FOR FIBRET STA TWO
AND FIBRET STA FOURTEEN HAVE BEEN CLARIFIED BY ECHO ALFA
DELTA FOXTROT (H) ECHO ALFA DELTA FOXTROT (H) ECHO ALFA
OSCAR CHARLIE ECHO WAVE CHARLIE NINE ZERO ZERO SEVEN
SIX NINE FORTY EIGHT FOUR JUNE NINETEEN FLY DANGER ERROR DASH
EQUALLY (H) CALL SIGN HOTEL LIMA FOUR FOR FIBRET STA FOURTEEN
FOR FIBRET STA TWO CALL SIGN SHOULD BE HOTEL LIMA FOUR ALFA
AND FIBRET STA FOURTEEN SHOULD READ HOTEL THREE THREE ALPHA TO
DIRECT TO ALL SUBORDINATE UNITS (H)

CONFIDENTIAL

LESLIE W. HENNES, COL, USAF WILLIAM W. HACHITT, COL, USAF
ALFAC 13002 23 MAR 50 070 HEADQUARTERS

60-70
8/18

0743

COPY

COPY

CONFIDENTIAL

04/1305Z APR 56

H 320 0000 0000 0000 0000 0000

CONFIDENTIAL

ROUTINE

0000 0000 0000 0000 0000 0000
ST ALBANS VT

0000 0000 0000 0000 0000 0000

CONFIDENTIAL/AFJOLE 04016 FOLLOWING MESSAGE FROM EAIF
MESSAGE FROM YOU IS QUOTED FOR YOUR INFORMATION AND NECESSARY
ACTION. QUOTE WOODS DASH UP ZERO ZERO SIX ZERO ONE COMMENCE
COMMUNICATIONS PLAN ONE DASH FIVE FIVE LIST FOUR FOUR HUNDRED
KOS PAREN PRE JENNY PAREN FOR FLORETT SHIP COMMUNICATIONS.
THIS PRE JENNY DELETED BY 0000 ONE NINE AUGUST FIVE FIVE TO FIVE
ACTION TO ADVISE ALL OPERATED BY ROGER FORTRO ALPHA SIX NINE
AND ONE SIX THREE WERE REVISED ONE SEVEN AUGUST FIVE FIVE DELETING
FOUR FOUR HUNDRED KOS TO TO TO END TO

CONFIDENTIAL

CONFIDENTIAL

LESLIE G. HEARTE, COLONEL, USAF

WILLIAM W. THORNTON, COL, USAF

AFJOLE

070

111

DEPUTY CHIEF OF OPERATIONS

6/3/56

51/9

0744

COPY

COPY

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

OOT-A

29 MAY 1956

SUBJECT: RECOMMENDATIONS FOR CHANGES TO CONADM 55-1

TO: COMMANDER
EASTERN AIR DEFENSE FORCE
STEWART AIR FORCE BASE
NEWBURGH, NEW YORK

1. REFERENCE YOUR MESSAGE, JEACOT-OS 57, THE FOLLOWING COMMENTS ARE SUBMITTED REGARDING RECOMMENDATIONS FOR CHANGES TO CONADM 55-1.

2. ALL THE RECOMMENDED CHANGES TO CONADM 55-1, SUBMITTED BY YOUR HEADQUARTERS ARE CONCURRED WITH, BUT FOR THE FOLLOWING EXCEPTIONS:

A. DATACOLLECTION. PARAGRAPH (1) (C) 2 A AND B, PAGE 3. SURVEILLANCE AND TACTICAL REPORTS RECOMMENDED ARE NOT EXPLICIT. RECOMMEND FURTHER CLARIFICATION.

PARAGRAPH (1) 4, PAGE 3. NOT CLEAR. PICKET VESSELS DO NOT NORMALLY RECEIVE FLIGHT PLANS, THEREFORE CANNOT CORRELATE. (DOES "AEW&C TRACKS" MEAN PLOTS OF LOCATION OF AEW&C AIRCRAFT?)

B. SURVEILLANCE. PARAGRAPH (B), 1, B, PAGE 7. USE OF DCA AS USED HERE COULD BE MISLEADING. SUGGEST OTHER TERMINOLOGY. DCA AS USED HERE EVIDENTLY MEANS ALL RADARS BELOW DIRECTION CENTER LEVEL BUT DOES NOT ALWAYS STATE SO. THE WORD "CORRELATION" IS INCORRECTLY USED IN THIS PARAGRAPH, AND ALSO IN "C" ON PAGE 7.

C. LATERAL TELLING. PARAGRAPH (D) 5 A, PAGE 11. REFERENCE IS MADE TO PARAGRAPH 3B. THERE IS NO SUCH PARAGRAPH.

PARAGRAPH (D) 5 A (1), PAGE 12. SINCE EW BY ADCC MUST BE DONE VIA TELEPHONE LINES THROUGH THE SWITCHBOARD, THE 15 MINUTE REQUIREMENT CANNOT BE FOLLOWED. SUGGEST EW ON COMPULSORY TRACKS TO BE GIVEN ONLY AS DEEMED NECESSARY BY THE ADCC INVOLVED.

PARAGRAPH (D) 5 A (3), PAGE 13. ADD "OR UNTIL TRACK IS DETECTED BY A RADAR UNIT OF THE RECEIVING DIVISION."

5/10

0745

COPY

COPY

PARAGRAPH (D) 5 A (5), PAGE 13 AND 14. NO FULL PERIOD LIAISON LINES BETWEEN DIVISIONS NOW EXIST OTHER THAN THROUGH A SWITCHBOARD. RECOMMEND AUTHORIZATION FOR FULL PERIOD DIRECT LINES BETWEEN ADJACENT DIVISIONS FOR EW. EW PLOTTER LINE TIE-IN PROCEDURE CANNOT BE FOLLOWED WITHOUT ADDITIONAL LINES.

C. TACTICAL ACTION. PARAGRAPH (3) (B), PAGE 24. RECOMMEND PERMISSION BE GRANTED FOR USE OF TERM, "NO SCRAMBLE TACTICAL DECISION," ON UNKNOWN TRACKS. THERE ARE MANY LOGICAL AND SOUND REASONS FOR DELAYING SCRAMBLES TEMPORARILY, EVEN THOUGH INTERCEPTORS ARE WITHIN RANGE AND WEATHER IS SUITABLE. DIVISION COMMANDER SHOULD BE GIVEN RESPONSIBILITY FOR PROPER EMPLOYMENT OF THIS TERM.

PARAGRAPH (3) (D) 1, PAGE 25. WHAT IS THE MEANING OF "ELEMENT" AS USED HERE? WHAT WILL BE THE CALL SIGN OF THE SECOND MAN IN AN ELEMENT?

D. DISPLAY. PARAGRAPH B(B), PAGE 30 AND 31. NOT ENOUGH DATA DISPLAYED ON RECOMMENDED DISPLAY.

FOR THE COMMANDER:

/s/ EVERITT W. HOWE
/t/ EVERITT W. HOWE
MAJOR, USAF
ADJUTANT

Navy Deputy
32d Joint Air Defense Division
Syracuse Air Force Station
Syracuse 6, New York

CONFIDENTIAL

26 June 1956

From: Navy Deputy, 32d Joint Air Defense Division
To: Commander, 42d Division, F-101-402

Subject: Intercept Aircraft; Scheduling of

Ref: (A) Your 14 21 Letter #11, Serial 030 of 20 June 1956

1. Reference (A) requested promulgation of a schedule of intercept aircraft to provide intercept practice for F-101's departing the Soseby and Newport areas.
2. Since both points of departure lie within the 20th Air Division area of responsibility and control, the Navy Deputy at the 20th Joint Air Defense Division has agreed to assume the responsibility of scheduling intercept aircraft for such training and the publication of the schedule. Therefore no schedule will be published by the 32d Joint Air Defense Division.

Very truly yours,
[Signature]

Copy to:
Commander, 42d Division
Navy Deputy, 20th JAD
Navy Deputy, 32d JAD

CONFIDENTIAL

51/11

1174-50

0747

CONFIDENTIAL

NEW YORK

COMMUNICATIONS DIVISION, AIR FORCE STATION
 10000 100th ST., S.W., SEASIDE, N. Y.

0200

13 APRIL 1954

TO: SAC (UNCLASSIFIED) ESTABLISHMENT OF A COMMON HIGH FREQUENCY CHANNEL
 CHANNEL FOR COMMUNICATIONS WITH SEASIDE ELEMENTS.

FROM: COMMANDER
 3200 THE AIR DIVISION (DEFENSE)
 SYRACUSE AIR FORCE STATION
 SYRACUSE 9, N. Y.

1. EFFECTIVE 1 MAY 1954 A COMMON HIGH FREQUENCY CHANNEL FOR
 COMMUNICATIONS WITH SEASIDE ELEMENTS WILL BE ESTABLISHED FOR THE
 SYSTEMS UNITED STATES. THE FREQUENCY ASSIGNED FOR THIS CHANNEL IS
 33.0 MHz CHANNEL 14. THIS FREQUENCY WILL OPERATE ON A TWENTY-FOUR
 HOUR A DAY BASIS (VOID OF INTERMISSION) AND ON MAXIMUM POWER OUTPUT OF
 500 WATTS. THIS FREQUENCY IS ASSIGNED ON A "PRIORITY USE" BASIS.

2. THE FOLLOWING STATIONS WILL MAINTAIN CONTINUOUS MONITORING
 WATCH ON THIS CHANNEL. THE REQUIREMENT FOR A TRANSMITTING CAPABILITY
 BY STATIONS LISTED IS AS INDICATED:

STATION	REQUIRE	COMPLIANT
771st AFS, N. Y.	Yes	Yes
772nd AFS, N. Y.	Yes	Yes
773rd AFS, N. Y.	Yes	Yes
774th AFS, N. Y.	Yes	Yes
775th AFS, N. Y.	Yes	Yes
776th AFS, N. Y.	Yes	Yes
777th AFS, N. Y.	Yes	Yes
778th AFS, N. Y.	Yes	Yes
779th AFS, N. Y.	Yes	Yes
780th AFS, N. Y.	Yes	Yes
781st AFS, N. Y.	Yes	Yes
782nd AFS, N. Y.	Yes	Yes
783rd AFS, N. Y.	Yes	Yes
784th AFS, N. Y.	Yes	Yes
785th AFS, N. Y.	Yes	Yes
786th AFS, N. Y.	Yes	Yes
787th AFS, N. Y.	Yes	Yes
788th AFS, N. Y.	Yes	Yes
789th AFS, N. Y.	Yes	Yes
790th AFS, N. Y.	Yes	Yes
791st AFS, N. Y.	Yes	Yes
792nd AFS, N. Y.	Yes	Yes
793rd AFS, N. Y.	Yes	Yes
794th AFS, N. Y.	Yes	Yes
795th AFS, N. Y.	Yes	Yes
796th AFS, N. Y.	Yes	Yes
797th AFS, N. Y.	Yes	Yes
798th AFS, N. Y.	Yes	Yes
799th AFS, N. Y.	Yes	Yes
800th AFS, N. Y.	Yes	Yes
801st AFS, N. Y.	Yes	Yes
802nd AFS, N. Y.	Yes	Yes
803rd AFS, N. Y.	Yes	Yes
804th AFS, N. Y.	Yes	Yes
805th AFS, N. Y.	Yes	Yes
806th AFS, N. Y.	Yes	Yes
807th AFS, N. Y.	Yes	Yes
808th AFS, N. Y.	Yes	Yes
809th AFS, N. Y.	Yes	Yes
810th AFS, N. Y.	Yes	Yes
811th AFS, N. Y.	Yes	Yes
812th AFS, N. Y.	Yes	Yes
813th AFS, N. Y.	Yes	Yes
814th AFS, N. Y.	Yes	Yes
815th AFS, N. Y.	Yes	Yes
816th AFS, N. Y.	Yes	Yes
817th AFS, N. Y.	Yes	Yes
818th AFS, N. Y.	Yes	Yes
819th AFS, N. Y.	Yes	Yes
820th AFS, N. Y.	Yes	Yes
821st AFS, N. Y.	Yes	Yes
822nd AFS, N. Y.	Yes	Yes
823rd AFS, N. Y.	Yes	Yes
824th AFS, N. Y.	Yes	Yes
825th AFS, N. Y.	Yes	Yes
826th AFS, N. Y.	Yes	Yes
827th AFS, N. Y.	Yes	Yes
828th AFS, N. Y.	Yes	Yes
829th AFS, N. Y.	Yes	Yes
830th AFS, N. Y.	Yes	Yes
831st AFS, N. Y.	Yes	Yes
832nd AFS, N. Y.	Yes	Yes
833rd AFS, N. Y.	Yes	Yes
834th AFS, N. Y.	Yes	Yes
835th AFS, N. Y.	Yes	Yes
836th AFS, N. Y.	Yes	Yes
837th AFS, N. Y.	Yes	Yes
838th AFS, N. Y.	Yes	Yes
839th AFS, N. Y.	Yes	Yes
840th AFS, N. Y.	Yes	Yes
841st AFS, N. Y.	Yes	Yes
842nd AFS, N. Y.	Yes	Yes
843rd AFS, N. Y.	Yes	Yes
844th AFS, N. Y.	Yes	Yes
845th AFS, N. Y.	Yes	Yes
846th AFS, N. Y.	Yes	Yes
847th AFS, N. Y.	Yes	Yes
848th AFS, N. Y.	Yes	Yes
849th AFS, N. Y.	Yes	Yes
850th AFS, N. Y.	Yes	Yes
851st AFS, N. Y.	Yes	Yes
852nd AFS, N. Y.	Yes	Yes
853rd AFS, N. Y.	Yes	Yes
854th AFS, N. Y.	Yes	Yes
855th AFS, N. Y.	Yes	Yes
856th AFS, N. Y.	Yes	Yes
857th AFS, N. Y.	Yes	Yes
858th AFS, N. Y.	Yes	Yes
859th AFS, N. Y.	Yes	Yes
860th AFS, N. Y.	Yes	Yes
861st AFS, N. Y.	Yes	Yes
862nd AFS, N. Y.	Yes	Yes
863rd AFS, N. Y.	Yes	Yes
864th AFS, N. Y.	Yes	Yes
865th AFS, N. Y.	Yes	Yes
866th AFS, N. Y.	Yes	Yes
867th AFS, N. Y.	Yes	Yes
868th AFS, N. Y.	Yes	Yes
869th AFS, N. Y.	Yes	Yes
870th AFS, N. Y.	Yes	Yes
871st AFS, N. Y.	Yes	Yes
872nd AFS, N. Y.	Yes	Yes
873rd AFS, N. Y.	Yes	Yes
874th AFS, N. Y.	Yes	Yes
875th AFS, N. Y.	Yes	Yes
876th AFS, N. Y.	Yes	Yes
877th AFS, N. Y.	Yes	Yes
878th AFS, N. Y.	Yes	Yes
879th AFS, N. Y.	Yes	Yes
880th AFS, N. Y.	Yes	Yes
881st AFS, N. Y.	Yes	Yes
882nd AFS, N. Y.	Yes	Yes
883rd AFS, N. Y.	Yes	Yes
884th AFS, N. Y.	Yes	Yes
885th AFS, N. Y.	Yes	Yes
886th AFS, N. Y.	Yes	Yes
887th AFS, N. Y.	Yes	Yes
888th AFS, N. Y.	Yes	Yes
889th AFS, N. Y.	Yes	Yes
890th AFS, N. Y.	Yes	Yes
891st AFS, N. Y.	Yes	Yes
892nd AFS, N. Y.	Yes	Yes
893rd AFS, N. Y.	Yes	Yes
894th AFS, N. Y.	Yes	Yes
895th AFS, N. Y.	Yes	Yes
896th AFS, N. Y.	Yes	Yes
897th AFS, N. Y.	Yes	Yes
898th AFS, N. Y.	Yes	Yes
899th AFS, N. Y.	Yes	Yes
900th AFS, N. Y.	Yes	Yes

52/1

CONFIDENTIAL

0748

CONFIDENTIAL

1. CONFIDENTIAL SUBJECT: ESTABLISHMENT OF A COMMUNICATIONS CHANNEL FOR COMMUNICATIONS WITH SEAWARD ELEMENTS.

STATION	RECEIVE	TRANSMIT
HICKET AIR STATION 13	YES	
HICKET AIR STATION 23	YES	
SEALERTAIN 100 JANESTOWN, T. J.	YES	

2. HICKET AIR WILL MONITOR THIS FREQUENCY FROM THE TIME THEY LEAVE PORT UNTIL THEY RETURN TO PORT.

3. NAVAL UNITS AT THE DISCRETION OF THE COMMANDING OFFICER AND IF EQUIPMENT IS AVAILABLE, MAY HAVE TRANSMITTERS SET UP ON THIS FREQUENCY.

4. THE USE OF "HF SEAWARD EXTENSION" WILL BE LIMITED TO THE FOLLOWING:

- ESTABLISHMENT OF INITIAL CONTACT WITH HF SHORE STATIONS BY HICKET ONE AND E-4A AIRCRAFT.
- RE-ESTABLISH COMMUNICATIONS ON HICKET ONE CIRCUITS IF CONTACT IS LOST ON ASSIGNED FREQUENCIES.
- PASSAGE OF FLIGHT PLAN TRAFFIC FROM AIRCRAFT CARRIERS TO HF SHORE STATIONS.
- PASSAGE OF BOMB PENETRATION FLIGHT PLANS TO PRIMARY CONTROL STATIONS BY HF BOMBERS, NAVAL PATROL AIRCRAFT WHEN BEYOND HF RANGE.
- EMERGENCY TRAFFIC BETWEEN SEAWARD EXTENSION AIR DEFENSE ELEMENTS AND HF SHORE STATIONS.

5. THE IMPORTANCE OF LIMITING THE USE OF THIS CHANNEL TO CONDITIONS AS OUTLINED IN PARAGRAPH 4 ABOVE CANNOT BE OVEREMPHASIZED. ONLY IN SUCH LIMITATIONS ON USAGE CAN ASSURANCE BE MADE THAT A GOOD, CLEAR CHANNEL IS AVAILABLE WHEN REQUIRED.

6. IMMEDIATE ACTION WILL BE TAKEN BY ALL E-4A ORGANIZATIONS LISTED IN PARAGRAPH 2 ABOVE TO PROVIDE A MONITORING AND TRANSMITTING CAPABILITY ON THIS CHANNEL BY 1 MAY 1966. USE OF EQUIPMENT FOR THE CHANNEL WILL TAKE PRECEDENCE OVER RADIO BACKUP CIRCUITS BUT NOT PRIMARY HICKET ONE AIDS. NAVY STATIONS NOT CAPABLE OF MEETING THESE REQUIREMENTS BY THE OPERATIONAL DATE BECAUSE OF EQUIPMENT LIMITATIONS WILL NOTIFY THIS HEADQUARTERS THROUGH CHANNELS BY THE MOST EXPEDITIOUS MEANS. ANTENNAS WILL BE SET TO FREQUENCY AND CRYSTALS FOR BOTH

CONFIDENTIAL

0749

CONFIDENTIAL

TRANSMITTING AND RECEIVING EQUIPMENTS WILL BE PROVIDED IF EQUIPMENT IS DESIGNED FOR CRYSTAL USE.

6. WHEN A STATION MONITORING "FF" SIGNALS RECEIVES A CALL FOR ANOTHER STATION AND THE OTHER STATION FAILS TO ACKNOWLEDGE THE CALL WITHIN 30 SECONDS, THE RECEIVING STATION SHALL:

A. NOTIFY THE STATION BEING CALLED BY THE MOST EXPEDITIOUS MEANS.

B. ACKNOWLEDGE THE CALL AND ACCEPT TRAFFIC FOR RELAY FROM THE ORIGINATING STATION IF TRANSMITTING EQUIPMENT IS AVAILABLE.

7. CURRENT PUBLISHED OPERATING INSTRUCTIONS WILL BE AMENDED TO INCLUDE THE INFORMATION CONTAINED HEREIN.

8. IF CORRESPONDENCE IS CLASSIFIED CONFIDENTIAL (AS DETERMINED BY PARAGRAPH 2(a)(2)), REF 205-1.

BY ORDER OF THE SECRETARY:

DATE: 1/15/54
BY: [Signature]
TITLE: [Title]

CONFIDENTIAL

707-56

0750

CONFIDENTIAL

IN ORDER TO ESTABLISH A WORKING RELATIONSHIP WITH THE JAPANESE
FOR COMMUNICATIONS WITH SEAWAY ELEMENTS

TO: SAC, NEW YORK (100-100000) FROM: SAC, NEW YORK (100-100000)

RE: 32nd AIR TROOP (DEFENSE), SYRACUSE AIR FORCE STATION, SYRACUSE, NY

FOR INFORMATION, 32nd FIGHTER GROUP, FREEDOM ISLAND AIR FORCE BASE,
NORFOLK ISLE, VA

- 1. FORWARD TO OPAI 2000 SQUADRON.
- 2. THIS INCIDENT CONTAINS NO CLASSIFIED INFORMATION.

BY: [Signature]

WILLIAM W. BATES
WILLIAM W. BATES
SQUAD, 2000
ASSISTANT SQUAD

CONFIDENTIAL

0751

COPY

COPY

CONFIDENTIAL

1. 320 (U) SYRACUSE AF STA SYRACUSE NY

CONFIDENTIAL

ROUTINE REFERRED

CONF'D

RESUME APT CARRIES REPT ON EFFECTIVENESS
OF SUBSTITUTE PRE-ED UNLOC

CONFIDENTIAL 2 2

LESLIE G. HEARTZ, COL, USAF

WILLIAM W. HAGENOFF, COL, USAF

ALFURGE 20402 24 APR 56 070

SECURITY OF OPERATIONS

CONFIDENTIAL

313-56

0753

COPY

SECRET

COPY

HEADQUARTERS
320 AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

OUT-A

7 MAR 1956

SUBJECT: AEWAC AIRCRAFT

TO: COMMANDER
EASTERN AIR DEFENSE FORCE
STEWART AIR FORCE BASE
NEWBURGH, NEW YORK

1. REFERENCE IS MADE TO THE CONAD OPERATIONAL PLAN FOR SEAWARD EXTENSION OF THE AIR DEFENSE COMBAT ZONE, DATED 20 JUNE 1955, SECTION V, PARAGRAPH 1A (1)(b), WHICH STATES THAT AEWAC AIRCRAFT MUST BE CAPABLE OF ACCEPTING CONTROL AND DIRECTION OF AIR DEFENSE INTERCEPTORS. PHASE I OF THIS PLAN IS BASED ON THE FORCES AVAILABLE IN 1955.

2. THE PLANNING FOR UTILIZATION OF AEWAC AIRCRAFT IS TO PROVIDE RADAR COVERAGE AT LOWER ALTITUDES WHILE FLYING BETWEEN 5,000 AND 15,000 FEET. TEXAS TOWERS AND PICKET SHIPS ARE TO PROVIDE RADAR COVERAGE FOR HIGHER ALTITUDES COMPARABLE TO SHORE BASED RADARS.

3. THE ABILITY AND FEASIBILITY TO CONTROL INTERCEPTORS EFFECTIVELY BY AEWAC AIRCRAFT IS LIMITED BY THE FOLLOWING FACTORS:

A. RADIUS OF ACTION OF FIGHTER-INTERCEPTOR AIRCRAFT. BECAUSE OF THE LIMITED RADIUS OF ACTION OF THE PRESENTLY ASSIGNED INTERCEPTORS, AND ESPECIALLY SO AT LOW ALTITUDES, CONTROL BY AEWAC AIRCRAFT IS NOT FEASIBLE. ANY REQUIRED CONTROL OF INTERCEPTORS COULD BE MORE ABLY ACCOMPLISHED BY A FIXED RADAR INSTALLATION. BY THE TIME AN AIRCRAFT WHICH HAD BEEN ORIGINALLY DETECTED BY AN AEWAC AIRCRAFT COULD BE INTERCEPTED, THE AIRCRAFT WOULD HAVE PENETRATED TO A POINT WHERE SUCCESSFUL INTERCEPTION COULD BE MORE ABLY HANDLED BY DIRECTORS ASSIGNED TO A TEXAS TOWER.

B. HEIGHT FINDING EQUIPMENT. THE HEIGHT FINDING CAPABILITIES OF THE AEWAC AIRCRAFT ARE NOT COMPARABLE TO THOSE AT GROUND RADAR STATIONS. THE SHORTCOMINGS OF THE AEWAC'S HEIGHT FINDING EQUIPMENT WOULD ADVERSELY AFFECT THE QUALITY

SECRET

56-420 53

0754

SECRET

COPY

COPY

PL 320 (A) (1) (C) (1) - A SUBJECT: AEWAC AIRCRAFT

OF ITS CONTROL CAPABILITY.

c. EARLY WARNING MISSION. TO ACCOMPLISH A SATISFACTORY CONTROL CAPABILITY IT MAY BE NECESSARY FOR AEWAC AIRCRAFT TO MOVE FROM ITS ASSIGNED PATROL AREA THEREBY LEAVING A GAP IN OUR EARLY WARNING. THE IMPORTANCE OF THE AEWAC AIRCRAFT TO MAINTAIN AN EARLY WARNING CAPABILITY CAN NOT BE OVER-EMPHASIZED. THE SPEED OF THE PRESENT-DAY BOMBER-TYPE AIRCRAFT NECESSITATES THAT AS MUCH EARLY WARNING AS POSSIBLE BE RECEIVED IF WE ARE TO ADEQUATELY DEFEND OUR AREA.

4. TO COMPLY WITH THE PROVISIONS OF ACP 55-12, DATED 6 JANUARY 1956, AEWAC DIRECTORS MAY COMPLETE 50% OF THEIR REQUIRED ANNUAL INTERCEPTION MINIMUMS AT A GROUND RADAR INSTALLATION. THIS ACTION WILL BE NECESSARY SINCE THE AEWAC DIRECTORS CANNOT REMAIN PROFICIENT CONDUCTING INTERCEPTS FROM THE AEWAC AIRCRAFT. THIS WILL IMPOSE A RESTRICTION UPON A GROUND BASED INSTALLATION, INASMUCH AS THE PROFICIENCY OF ITS ASSIGNED DIRECTORS MAY SUFFER.

5. THE SHORTAGE OF QUALIFIED AIRCRAFT CONTROLLERS (1644) IS A RECOGNIZED FACT WITHIN THE AIR DEFENSE COMMAND. THE CONTINUOUS ASSIGNMENT OF LARGE NUMBERS OF AIRCRAFT CONTROLLERS TO AEWAC WINGS IS AGGRAVATING THE SHORTAGE AT LAND BASED RADAR STATIONS.

6. THE PRESENT AUTHORIZATION FOR AEWAC WINGS IS 225 AIRCRAFT CONTROLLERS. TO HELP ALLEVIATE THE SHORTAGE OF AIRCRAFT CONTROLLERS IN THE AIR DEFENSE COMMAND, THE FOLLOWING RECOMMENDATIONS ARE SUBMITTED:

a. THAT AEWAC AIRCRAFT BE UTILIZED PRIMARILY AS EARLY WARNING STATIONS. A PRIME REASON FOR THIS RECOMMENDATION IS THAT BY THE TIME AN AIRCRAFT WHICH WAS ORIGINALLY DETECTED BY AEWAC AIRCRAFT COULD BE INTERCEPTED, THE TARGET AIRCRAFT WOULD HAVE PENETRATED TO A POINT WHERE THE INTERCEPTION COULD BE MORE ABLY HANDLED BY THE TEXAS TOWER OR BY THE GROUND RADAR.

b. THAT ONE AIRCRAFT DIRECTOR BE ASSIGNED TO EACH AEWAC AIRCRAFT.

c. THAT THE FEASIBILITY OF TRAINING AND UTILIZATION OF NON-COMMISSIONED OFFICERS (1/SGTS AND 1/3SGTS) AS AEWAC DIRECTORS BE EXPLORED.

SECRET

56-420

0755

SECRET

REF ID: A66444 SUBJECT: ACW AIRCRAFT

7. PHASE II OF THE OPERATIONAL PLAN MENTIONED IN PARAGRAPH 1 IS BASED ON THE AVAILABILITY OF FORCES IN 1960. THE COMMENTS AND RECOMMENDATIONS OUTLINED ARE APPLICABLE TO THIS PHASE.

/s/ ROBERT S. ISRAEL, JR.
/w/ ROBERT S. ISRAEL, JR.
BRIGADIER GENERAL, USAF
COMMANDER

SECRET

0756

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
Syracuse Air Force Station
Syracuse 6, New York

MINUTES OF THE STAFF MEETING - 4 January 1956

At the staff meeting called at 0830 on 4 January 1956, briefings were given by the deputies as follows:

Commander

General Israel: General Frederic H. Smith, Jr., ADC, is going into Brunswick to visit the Experimental Radar Site at Bath. Then, he goes from there to Bedford and then in a T-bird to Presque Isle to check RT procedures.

Colonel Ingenhutt, how are we getting along with the Exercise scheduled for April?

Colonel Ingenhutt: Captain McEachron and I will have a meeting this morning to go over the routes. We have them done up in rough. When that is done, will submit them to you. Then, will get together with the 85th and 26th Air Division so that we will know what is going on as far as routes are concerned.

General Israel: General Partridge, Commander, ADC, will be in here on Friday, 6 January, with General Harbold, newly assigned Commander to Eastern Air Defense Force. Would like to have everyone have their main problems in mind so that if he wants to talk about anything, we will be able to do so. Think one of the things he wants to talk about is personnel. Know pretty well where we are short but you might give me. Major Burak, sort of a rundown on our critical career fields: controllers, radar mechanics, armament system personnel, jet mechanics, supply, and comptroller personnel. Would like to know where we stand division-wide. Colonel Chido, I would like to go over and look through SAGES building some time today. Do you suppose we could get in there after this meeting this morning?

Lt Colonel Chido: Yes, Sir.

General Israel: How about the the new building. Has that been accepted as yet?

Major Verbeck: Yes, Sir.

General Israel: Has anything been moved in?

Major Verbeck: Yes, Sir. About a week ago. Supply is occupying it. In the far end of the building, they issue supplies.

General Israel: What is the other building used for?

54/1

0757

Hq, 32d Air Div (Def) Subj: Minutes of the Staff Meeting, 9 January 1956

Major Verbeck: It has been turned into a warehouse.

General Israel: Let's watch policing, cleanliness and check housekeeping aspects. Also, be sure that all troops are in proper uniform.

Vice Commander

Colonel O'Neill: A letter came through yesterday in reference to assignment of F-89D aircraft to the 465th Fighter Interceptor Squadron. It is from General Tillery of the Ogden Air Materiel Area. He would like to know if we would like to have the F-89 High Speed Industrialization Team from Northrup made available to us. Think we should have them for the 465th.

Deputy for Operations

Colonel Ingenhutt: The ARDC film which we showed last week was not seen by all personnel. Would like to show them once more, before returning them, subject to your convenience. Have you a suggestion as to time and date?

Colonel O'Neill: Any time will be alright. We can show them today.

Colonel Ingenhutt: Will 1330 this afternoon be satisfactory?

Colonel O'Neill: Yes.

Comptroller

Captain Foster: Would like to have the staff, who have briefing charts for the Commander, go over them this morning with the thought in mind of bringing them up to date. Quite a few of them are behind and would like to have them done before Friday, particularly PO&R and C&E.

General Israel: There are two charts that I would like. The organization chart to show new numbers of squadrons and to include gap-fillers and their relation to us. One chart with our own Air Force organization. That is just a revision of the one we already have. What I want is an area chart showing our deployment radar stations on it, and this center here; the antisircraft units and all our augmentation forces. This will be classified SECRET.

I would also like to have the Commander's Notebook and the fund notebook available for General Partridge's and General Harbold's visit.

Hq, 32d Air Div (Def) Subj: Minutes of the Staff Meeting, 1 March
1956

One major problem I think I will bring up with him is the question of ABW&C aircraft and their utilization and mission. That is one thing that is unresolved. Also, corollary mission with the Navy and work that has been initiated in regards to anti-submarine warfare.

Captain Foster: The 76th Fighter Squadron at Presque Isle received \$22,000 to cover TDY requirements generated by the delivery of old aircraft and new aircraft from California. The 49th Fighter Squadron also received an increase of \$20,000 for rocketry training.

Commander, Hq Sq Section

Major Verbeck: Have some where between 32 and 35 Reserve medals to be presented to officers. That is for ten years continuing service.

General Israel: You may make distribution of them.

Deputy for Materiel

Lt Colonel Chido: We are moving our office today from our present location to the new location, Building #5.

The Texas Tower people have been having a lot of trouble in getting refueled. A lot of correspondence came through our office.

General Israel: Is that diesel fuel?

Lt Colonel Chido: Yes, Sir. It seems to be pretty well under control. Thought it would be something that everybody would be interested in knowing. EADP and ADC are aware of it.

COPY

COPY

762ND AIRCRAFT CONTROL & WARNING SQUADRON
NORTH TRURO AIR FORCE STATION
NORTH TRURO, MASSACHUSETTS

ACJOPS

FEB 29 1956

SUBJECT: AEW&C POLAR GRID REPORTING

TO: COMMANDER
4707TH AIR DEFENSE WING
OTIS AIR FORCE BASE
FALMOUTH, MASSACHUSETTS

1. THE FOLLOWING IS SUBMITTED IN ACCORDANCE WITH YOUR ENDORSEMENT, DATED 22 DEC 55 TO 8TH AIR DIVISION LETTER 300TH, DATED 26 OCT 55.

A. FROM THE STANDPOINT OF OPERATIONAL PROCEDURES AT THIS STATION, THE CONTINUED USE OF POLAR GRID REPORTING BY AEW&C AIRCRAFT IS NOT RECOMMENDED.

B. THE FOLLOWING DISADVANTAGES HAVE BEEN NOTED DURING THE EVALUATION PERIOD.

- (1) THE SYSTEM IS NOT STANDARD AS PRESCRIBED FOR AUGMENTATION RADARS IN ADCM 55-1.
- (2) THE POLAR GRID OVERLAY REQUIRED AT THE ADDC ADDS TO THE COMPLEXITY OF DISPLAYS ON THE VERTICAL PLOTTING BOARD.
- (3) THE PRESENT SCALE OF THE DISPLAY ON THE VERTICAL PLOTTING BOARD AT THIS SITE, PRECLUDES THE USE OF THE RECOMMENDED AZIMUTH AND RANGE INCREMENTS.
- (4) THE POSSIBILITY OF ANOTHER POLAR GRID OVERLAY FOR SIMILAR OR OTHER AUGMENTATION RADAR WOULD CREATE UNDESIRABLE COMPLEXITY OF THE VERTICAL PLOTTING BOARD.

C. THE USE OF A SUPPLEMENTARY BOARD FOR PLOTTING AEW&C TRACKS IS NOT RECOMMENDED AS IT WOULD REQUIRE ADDITIONAL PERSONNEL TO RECEIVE, PLOT AND TRANSFER THE DATA INTO THE SYSTEM.

D. THIS UNIT RECOMMENDS THAT AEW&C TRACK INFORMATION REPORTING REVERT TO THE GREF SYSTEM.

FOR THE COMMANDER:

54/2

S/ JAY A. KENZEL
2ND LT, USAF
ADJUTANT

0760

COPY

COPY

762b ADMRON ACQOPS SUJB: AEW&C RADAR GRID REPORTING

DMCUNT (29 FEB 56)

1ST IND

6 MAR 56

HEADQUARTERS, 4707TH AIR DEFENSE WING, OTIS AIR FORCE BASE, MASS.

TO: COMMANDER, 32ND AIR DIVISION, SYRACUSE AIR FORCE STATION,
SYRACUSE 6, NEW YORK

REFERENCE PARAGRAPH 1 OF BASIC LETTER. SUBJECT INFORMATION IS
FORWARDED IN COMPLIANCE WITH YOUR THIRD INDORSEMENT TO STATED
LETTER.

FOR THE COMMANDER:

S/
FOREST L. LITTLE
1ST LT, USAF
ADJUTANT

COPY

COPY

762D ACOMRON ACW/CPS SUBJECT: AEW&C POLAR GRID REPORTING

COF-A (29 FEB 56)

2ND IND

12 MAR 1956

HEADQUARTERS, 32D AIR DIVISION (DEFENSE), SYRACUSE AIR FORCE STATION,
SYRACUSE 6, NEW YORK

TO: COMMANDER, EASTERN AIR DEFENSE FORCE, STEWART AIR FORCE BASE,
NEWBURGH, NEW YORK

1. THIS HEADQUARTERS CONCURS WITH THE RECOMMENDATION THAT TRACK INFORMATION BE REPORTED TO THE GROUND RADAR STATIONS USING THE GEOREF SYSTEM.
2. PARTICULAR ATTENTION IS INVIGED TO PARAGRAPH 13 (2) OF 762ND AC&W SQUADRON LETTER, IN THAT THE USE OF ADDITIONAL RANGE AND AZIMUTH LINES IN AN OFF-CENTERED POSITION WOULD ONLY ADD COMPLEXITY TO THE VERTICAL PLOTTING BOARD.
3. REFERENCE PARAGRAPH 10. SUPPLEMENTARY PLOTTING BOARD, MORE COMMONLY REFERRED TO AS EARLY WARNING BOARDS, ARE IN USE AT AC&W SITES BUT ARE DESIGNED IN THE GEOREF GRID SYSTEM.

FOR THE COMMANDER:

1 INCL
INFO CY LTR FM 8TH ADIV,
DTD 26 OCT 55 W/3 INDS.
SUBJ: AEW&C POLAR GRID
REPORTING

/s/ EVERITT W. HOWE
/t/ EVERITT W. HOWE
MAJOR, USAF
ADJUTANT

COPY

COPY

SECRET

HR 3Z AD(0) OYR AFS, OYR, NY 03/1300Z Feb 56 SECRET
GROUP "TA" ROUTINE

JEADDT-03 0 014 SECRET

/SECRET/ALFOOT-- 0115 . FOLG EADP MSG (X) ED FYI AND ACTION FD
ROUTE SLASH JEADDT DASH 03 UOJA DASH ZERO ONE FOUR PD SURJ IS APP
ALPHA TD UNAM FIVE FIVE ONE JAN SEP FIVE FIVE PD FOLG LTR IDENTI-
FIERS ARE AYO AEN AND UOJA ON STAS AS FOLG ULN STA ONE DASH ZEBRA
ALPHA SMULN STA TWO DASH ZEBRA BRAVO SMULN STA THREE DASH ZEBRA
UOJA SMULN STA FOUR DASH ZEBRA DELTA SMULN STA FIVE DASH ZEBRA
ECHO SMULN STA SIX DASH ZEBRA FOXTROT SMULN ING STA TWO DASH ZEBRA
NEUTAR SMULN ING STA THREE DASH ZEBRA METRO SMULN ING STA FOUR DASH
ZEBRA LIMA PD STAS ONE THRU SIX AS REFLECTED CONVO PLAN FOR SEWARD
EXTENSION OF THE AIR DEF UMBAT ZONE TWO ZERO JUN FIVE FIVE PD ING

SECRET

1 2 56-337

54/3

0763

COPY

COPY

SECRET

STAS AS FOLG: CLN STA TWO FOUR ONE DEGS THREE EIGHT MINS NORTH SIX
NINE DEGS ZERO ZERO MINS WEST SMLN STA THREE THREE NINE DEGS
TWO THREE MINS NORTH SEVEN ZERO DEGS THREE SEVEN MINS WEST SMLN
STA FOUR THREE NINE DEGS ONE SIX MINS NORTH SEVEN TWO DEGS FIVE
SEVEN MINS WEST PD UN UOTE PD

SECRET

2 2

WILLIAM M. SHELTON, LTJG, USAF WILLIAM W. INVENHUTT, COL, USAF

02/1330Z FEB 56 D/COF 111

080/142

56-337

SECRET

0764

COPY

COPY

CONFIDENTIAL

11 320 JAD(0) SYRACUSE AF SYR NY 04/2300Z CONFIDENTIAL
COMR, 654 AIRRON, BRUNSWICK NAS, ME PRIORITY

JE400F-00 0-037 CONFIDENTIAL

/CONFIDENTIAL/ADFOOT-A 0503 PD FOLG MSG QUOTE FYI ULN QUOTE
SLASH CONFIDENTIAL SLASH JE400F DASH OSCAR SIERRA UOJA DASH ZERO
THREE SEVEN PD REF NY OPLAN ONE ZERO DASH FIVE SIX ULN FOLG
CHANGES ARE PD FOR UR GUIDANCE ULN AENSO STA NR ONE TWO RELOCATED
TO FOUR TWO DEG ONE FIVE NINE NORTH DASH SIX SIX DEG TWO ZERO
MIN WEST PD FLY RANGETRACK PATTERN WPX TRACK THREE THREE ZERO
DEG DASH ONE FIVE ZERO DEG TRUE REF TO DIR TO FIVE BY HP ULN
DOUBLE LTR IDENT WILL BE ZULU FOXTROT PD AENSO STA NR ONE FOUR
RELOCATED TO FOUR ZERO DEG ONE ZERO MIN NORTH SIX EIGHT DEG
TWO ZERO MIN WEST PD FLY RANGETRACK PATTERN WPX TRACK ZERO FIVE
SEVEN DEG DASH THREE TWO SEVEN DEG TRUE REF TO DIR TO FIVE FOUR
FIVE BY HOTEL FOXTROT ULN DOUBLE LTR IDENT WILL BE

CONFIDENTIAL 1 2

302-56

CONFIDENTIAL

54/4

0765

COPY

COPY

CONFIDENTIAL

ZULU GOLF PD HOTEL FLYING JEWELRY GOLFERS FREE THREE TWO
NINE NINE KGS WILL BE USED BY BOUT STY FOR TELLING PURPOSES
PD OTHER TROOPS BY CLEAV ONE ZERO DASH FIVE SIX SEVEN EIGHT
REVISION PD UNLITE

CONFIDENTIAL 2 2

W. W. SHELTON, LTJG, USN

W. W. HANSEN, COL, USAF

03/20202 MAY 56 3/007 111

004/142

302-56

CONFIDENTIAL

0766

COPY

COPY

CONFIDENTIAL

1:32Z (U) OYR AFB, OYR, NY

11/1717Z MAY 56

COMR, 230 FIR GI, FJI AFB, FJI, ME

ROUTINE

/CONF/NOFOR 05067 PD REF EADP OPLAN ONE ZERO DASH FIVE SIX
 OIA FOLD CHANGES ARE FWD FOR YOUR GUIDANCE OLN AENBU STA NR
 ONE TWO RELOCATED TO FOUR TWO DEG ONE FIVE MIN NOVEMBER DASH
 SIX SIX DEG TWO ZERO MIN W HONEY TO FLY RACETRACK PATTERN
 APPROXIMATE TRACK THREE THREE ZERO DEG DASH ONE FIVE ZERO DEG
 TWO DEGREES DIRECT TO FAWA ONE ZERO BY HOTEL FOXTRUT OIA DOUBLE
 OIR IDENTIFIER WILL BE ZULU FOXTRUT PD AENBU STA NR ONE FOUR
 RELOCATED TO FOUR ZERO DEG ONE ZERO MIN NOVEMBER DASH SIX EIGHT
 DEG TWO ZERO MIN W HONEY TO FLY RACETRACK PATTERN APPROXIMATE
 TRACK ZERO FIVE SEVEN DEG DASH TWO THREE SEVEN DEG TWO DEGREES
 DIRECT TO FAWA FOUR FIVE BY HOTEL FOXTRUT OIA DOUBLE

CONFIDENTIAL 1 2

CONFIDENTIAL

3/3-56
54/5

0767

COPY

COPY

CONFIDENTIAL

LTR IDENTIFIER WILL BE ZULU GOLF PD HOTEL FOXTRUP SEA/PD
COMMON FREQUENCY THREE TWO NINE NINE KHZ WILL BE USED BY
3.11 STA FOR TELLING PURPOSES PD OTHER PROVISIONS OF EADP OPLAN
ONE ZERO DASH FIVE SIX APPLY PENDING REVISION PD

VERNON K YEHLE, MAJOR, USAF
OFR 1400Z 11 May 56 0/2

2 2
WILLIAM W INGENHUTT, COL, USAF
000/142

3/3-56

CONFIDENTIAL

0768

COPY

COPY

CONFIDENTIAL

ROUTE

1: 320 000 000 AF3, 000, NY
WADR: 230 FTR OF, 111 AF3, 111, 1E
CONFIDENTIAL/WFOFR_05143

REF EAD OF PLAN ONE ZERO DASH FIVE SIX SIX FOLD JINXES ARE
AND FOR YOUR GUIDANCE ULN JEWEL STA NR ONE SIX RELOCATED TO
THREE EIGHT DEGREES TWO FIVE THREE NOVEMBER DASH SEVEN ONE
DEGREES TWO ZERO THREE WHISKEY TO FLY RACE TRACK PATTERN APRX
TRACK ZERO SIX ZERO DEGREES DASH TWO FOUR ZERO DEGREES TWO
REPTS DIRECT TO TAPA DASH FIVE FOUR BY HOTEL FOXTRF JMA DOUBLE
LTR IDENTIFIER WILL BE ZULU HOTEL TO JEWEL STA NR ONE EIGHT
RELOCATED TO THREE SIX DEGREES ONE ZERO THREE NOVEMBER DASH
SEVEN THREE DEGREES TWO ZERO THREE WHISKEY TO FLY RACE TRACK
PATTERN APRX TRACK ZERO TWO FIVE DEGREES DASH TWO ZERO FIVE
DEGREES TWO REPTS DIRECT TO TAPA DASH FIVE SIX BY HOTEL
FOXTRF JMA DOUBLE LTR IDENTIFIER WILL BE ZULU JULIETT TO
TO JEWEL STA NR TWO ZERO RELOCATED TO THREE THREE DEGREES
ZERO FIVE THREE NOVEMBER DASH SEVEN FIVE DEGREES THREE ZERO
THREE WHISKEY TO FLY RACE TRACK PATTERN APRX TRACK ZERO TWO
ZERO DEGREES DASH TWO ZERO ZERO DEGREES TWO REPTS 24 1,00

CRF

MAY 1956

VERNON K. YEHLE, DIR OF OPS
0/2 1 2

WILLIAM W. HENNING
COLNEL, USAF
REPT OPERATIONS

CONFIDENTIAL

52-56
34/6

0769

COPY

COPY

CONFIDENTIAL

H. 321 10(1) OYR WFS, OYR, NY
 DIRECT TO MIKE BACH ONE ONE FIVE BY HOTEL FOXTRIP UNRECORDED
 LTR IDENTIFIED WILL BE ZULU KILG FD HOTEL FOXTRIP DEWARD COMMON
 FRE JENNY THREE TWO NINE NINE KOS WILL BE USED BY ALL USA FOR
 TELLING PURPOSES UNTIL H. USAF ASSIGNS A TAG FRE JENNY FD OTHER
 PROVISIONS OF ENAF OPLAN ONE ZERO DASH FIVE SIX APPLY PERTINENT
 REVISION BY

CONFIDENTIAL

52-56

0770

COPIE

COPIE

CONFIDENTIAL

ROUTINE

10321 (10) 008 AF3, NY

230 AF3, F I, ME
654 AF3, BRITTON AFB, ME
705 AF3, CHARLESTOWN AFB, ME
700 AF3, CUSWELL AFB, ME

CONFIDENTIAL 06002

REF CONFIDENTIAL ONE ZERO ONE FIVE SIX SEVEN EIGHT NINE TEN
YOUR CONFIDENTIAL NUMBER IS ONE TWO THREE FOUR FIVE SIX SEVEN
EIGHT NINE TEN ZERO ONE TWO THREE FOUR FIVE SIX SEVEN EIGHT
NINE TEN ONE TWO THREE FOUR FIVE SIX SEVEN EIGHT NINE TEN
ELEVEN TWELVE THIRTEEN FOURTEEN FIFTEEN SIXTEEN SEVENTEEN
EIGHTEEN NINETEEN TWENTY ONE TWENTY TWO TWENTY THREE TWENTY
FOUR TWENTY FIVE TWENTY SIX TWENTY SEVEN TWENTY EIGHT
TWENTY NINE THIRTY ONE THIRTY TWO THIRTY THREE THIRTY FOUR
THIRTY FIVE THIRTY SIX THIRTY SEVEN THIRTY EIGHT THIRTY NINE
FORTY ONE FORTY TWO FORTY THREE FORTY FOUR FORTY FIVE FORTY SIX
FORTY SEVEN FORTY EIGHT FORTY NINE FIFTY ONE FIFTY TWO FIFTY
THREE FIFTY FOUR FIFTY FIVE FIFTY SIX FIFTY SEVEN FIFTY EIGHT
FIFTY NINE SIXTY ONE SIXTY TWO SIXTY THREE SIXTY FOUR SIXTY
FIVE SIXTY SIX SIXTY SEVEN SIXTY EIGHT SIXTY NINE SEVENTY ONE
SEVENTY TWO SEVENTY THREE SEVENTY FOUR SEVENTY FIVE SEVENTY
SIX SEVENTY SEVEN SEVENTY EIGHT SEVENTY NINE EIGHTY ONE
EIGHTY TWO EIGHTY THREE EIGHTY FOUR EIGHTY FIVE EIGHTY SIX
EIGHTY SEVEN EIGHTY EIGHT EIGHTY NINE NINETY ONE NINETY TWO
NINETY THREE NINETY FOUR NINETY FIVE NINETY SIX NINETY SEVEN
NINETY EIGHT NINETY NINE ONE ZERO ONE TWO THREE FOUR FIVE SIX
SEVEN EIGHT NINE TEN ONE TWO THREE FOUR FIVE SIX SEVEN EIGHT
NINE TEN ONE TWO THREE FOUR FIVE SIX SEVEN EIGHT NINE TEN

CONFIDENTIAL

JUNE 1 1950
12 20412

VERNON W. MOORE, MAJ, USAF
02

54/77

0771

COPY

COPY

CONFIDENTIAL

ROUTINE X AF X

H: 32D AD(D) SYR AFS, SYR, NY

COMDR: 22D FTR GP, FOT AFB, FOT, ME
654TH AWM SQ, BRUNSWICK NAS, ME
765TH AWM SQ, CHARLESTON AFS, ME
766TH AWM SQ, CASWELL AFS, ME

CONF/AUFOPR 06134 PD

REF EADF CPLAN ONE ZERO DASH FIVE SIX PD THIS MSG IN TWO PARTS PD
PART ONE ULN CHANNEL DESIGNATOR CHARLIE DASH THREE THREE FOR FRE 2
TWO SEVEN NINE EIGHT KUS ASSIGNED FOR AEW&O COMM IS HEREBY
RESUBMITTED PD CHANNEL DESIGNATORS FOR AEW&O FRE 2 ARE ASSIGNED
AS FOLLOWS ULN ALFA DASH ONE TWO SEVEN THREE TWO KUS OMA BRAVO
DASH ONE FOUR EIGHT SIX FIVE KUS OMA CHARLIE DASH ONE TWO SEVEN
NINE EIGHT KUS PAREN TEMP ASSIGNMENT PAREN OMA DELTA DASH ONE
FOUR SIX ZERO TWO POINT FIVE KUS OMA HOTEL DASH ONE FIVE EIGHT
ONE ZERO KUS OMA FOXTROT DASH ONE SIX SEVEN SIX ZERO POINT
FIVE KUS PD PART TWO ULN FOR FIVE FIVE ONE AEW&O OMA INTER-
FERENCE REPORTS WILL BE SUBMITTED IAW PAR TWO ONE ONE TWO
POINT THREE ALFA USAF GET PD

21 1300Z

JUNE 1956

CFR

JOHN A BELL, COL., USAF
0.2 1 1

WILLIAM M. SHELTON
COLONEL, USAF
ACTING DEPUTY FOR OPERATIONS

CONFIDENTIAL

54/8

1116-56

077.2

CONFIDENTIAL

DEFENSE FORCE
DEFENSE FORCE
DEFENSE FORCE

CONFIDENTIAL
DEFENSE FORCE
DEFENSE FORCE

DEFENSE FORCE
DEFENSE FORCE
DEFENSE FORCE

1. IMPLEMENTATION OF NEW U.S. 12 SEPTEMBER 1955 INVOLVED EXTENSION OF IDENTIFICATION OF AIRCRAFT INTO AREAS NOT COMPLETELY EQUIPPED WITH SURVEILLANCE AND CONTROL CAPABILITIES. THE REQUIREMENTS FOR DEFENSE FLIGHT PLANS AS ESTABLISHED BY PART 620, "REGULATIONS OF THE ADMINISTRATION", CAA, AND CFR 60-20, "IDENTIFICATION AND SECURITY CONTROL OF MILITARY AIRCRAFT", 24 OCTOBER 1955, IMPLY THAT PENETRATION OF DEFENSE AREAS UNDETECTED IS AN UNLIKELY POSSIBILITY. THIS INFERENCE SHOULD BE ASSURED IN THE COASTAL AREA UNTIL COMPLETE IMPLEMENTATION OF THE JEWEL TOWER, FINGER BEDEL, AND JEWEL TOWER, AND BUFFER ZONE OF SURVEILLANCE AND IDENTIFICATION IS REQUIRED IN DEFENSE AND OPEN AREAS BEHIND COASTAL METROPOLITAN AND INTERNATIONAL AIRPORTS WITHOUT A BUFFER ZONE TO INSURE THAT UNDETECTED PENETRATION IS NOT BEEN EFFECTED, PARTICULARLY AT LOW ALTITUDES.

2. IT IS BELIEVED THAT A BUFFER ZONE FOR AIRCRAFT OPERATION BE ESTABLISHED ALONG COASTAL METROPOLITAN AND COASTAL METROPOLITAN ALONG BORDERS WITHOUT A BUFFER ZONE IN WHICH ALL AIRCRAFT MOVEMENT WILL BE REPORTED BY OBSERVATION POSTS. THE ZONE WILL VARY IN LENGTH TO INSURE A THRESHOLD OF TWO OBSERVATIONS OF FLIGHTS OR PENETRATION READINGS. GENERALLY, THE ZONE WILL BE 25 TO 75 MILES IN LENGTH. CREW FROM THIS REQUIREMENT ARE COASTAL METROPOLITAN COMPLEXES. THE DIVISION (DEFENSE) COMMANDERS WILL DETERMINE SPECIFIC COORDINATES FOR BUFFER ZONES AND WILL RESTRICT COASTAL METROPOLITAN COMPLEXES AWAY FROM THE ZONE IN THEIR SECTORS.

3. OPERATION OF THE COA IN BUFFER ZONES WILL BE CONDUCTED IN ACCORDANCE WITH THE FOLLOWING:

- A. OBSERVATION POSTS WILL REPORT ALL AIRCRAFT MOVEMENTS OBSERVED IN THE BUFFER ZONE TO THE FILTER CENTER.
- B. FILTER CENTER WILL ESTABLISH TRACKS ON A SINGLE TRACK SHEET IN THE BUFFER ZONE WHEN THE AIRCRAFT IS REPORTED BY A

CONFIDENTIAL

57

0773

CONFIDENTIAL

SECURITY (S) (U) (U) ESTABLISHMENT OF A BUFFER ZONE

IN PENETRATION ZONES.

3. FILTER CENTERS WILL FORWARD TO ALL PENETRATION TRACKS OF JET AIRCRAFT, MULTI-ENGINE AIRCRAFT, ROTATION OF AIRCRAFT, AURAL SOUNDS, AND UNUSUAL OCCURRENCES TO THE ASSOCIATED DIRECTION CENTERS.

4. DIRECTION CENTERS RECEIVING TRACKS ON A PENETRATION TRACKING IN A BUFFER ZONE WILL ATTEMPT TO IDENTIFY ALL SUCH TRACKS RECEIVED AND WILL TAKE AIR DEFENSE ACTION ON ALL TRACKS OF A SUSPICIOUS NATURE THAT CANNOT BE CORRELATED WITH OTHER FRIENDLY INFORMATION. DISPOSITION OF THE TRACKS WILL BE REPORTED BACK TO THE FILTER CENTER.

5. THE INSTRUCTION OUTLINED IN PARAGRAPH 3 ABOVE AUGMENT INSTRUCTIONS CONTAINED IN OADR 55-1 AND WILL BE PLACED INTO EFFECT IMMEDIATELY ON UPON ACTIVATION OF NEW 55-1 AREAS OF AIRWATCH OPERATION WHICH CONTAIN A COASTAL PERIPHERY. THE PROVISIONS OF OADR 55-1 ARE BEING REVISED TO DESIGNATE AIRWATCH OPERATION AND REPORTING PROCEDURES OF THE 55-1 AS OUTLINED ABOVE.

BY: [Signature] MAJOR GENERAL, USAF
[Signature] THE COMMANDER

INFO: [Signature]
[Signature]

CONFIDENTIAL

0774

CONFIDENTIAL

1. For your information and compliance, the following information is being furnished to you:

2. The following information is being furnished to you for your information and compliance:

3. This headquarters is of the opinion that the buffer zone need not exceed twenty miles in width to achieve the minimum of two observations on penetrating flights as desired in basic letter. Emphasis should be placed on obtaining sufficient twenty-four hour observation posts within these areas.

4. This information is classified CONFIDENTIAL in accordance with paragraph 206(2) (b), AFR 200-1.

BY ORDER OF THE COMMANDER:

W. R. [Name]
[Title]
UNIT OF [Unit]

CONFIDENTIAL

0775

CONFIDENTIAL

1. The purpose of this letter is to advise you of the implementation of the buffer zone.

2. The buffer zone is established within the 200-mile radius of the

1. The buffer zone is established within the 200-mile radius of the

2. The buffer zone is established within the 200-mile radius of the

3. The buffer zone is established within the 200-mile radius of the

4. The buffer zone is established within the 200-mile radius of the

5. The buffer zone is established within the 200-mile radius of the

6. The buffer zone is established within the 200-mile radius of the

7. The buffer zone is established within the 200-mile radius of the

8. The buffer zone is established within the 200-mile radius of the

9. The buffer zone is established within the 200-mile radius of the

10. The buffer zone is established within the 200-mile radius of the

CONFIDENTIAL

0776

CONFIDENTIAL

CONFIDENTIAL - SECURITY INFORMATION
OF THE UNITED STATES

THIS INFORMATION IS CLASSIFIED CONFIDENTIAL IN ACCORDANCE
WITH EXECUTIVE ORDER 12958, 50 USC 3042

1. Inlet
2. Outlet

3. Inlet
4. Outlet
5. Inlet
6. Outlet

CONFIDENTIAL

0777

ROUTING	JOINT MESSAGEFORM	COMMUNICATIONS CENTER NO.
SPACE ABOVE FOR COMMUNICATIONS CENTER ONLY		
FROM: (Originator) CINC CONAD	DATE-TIME GROUP 8113 3012/EDJ	SECURITY CLASSIFICATION UNCLD
	PRECEDENCE FOR: ACTION INFORMATION AIR MAIL	<input type="checkbox"/> BOOK MESSAGE <input checked="" type="checkbox"/> ORIGINAL MESSAGE
TO: Comdr EADF Stewart AFB Newburgh NY Comdr CADF Grandview AFB Grandview Mo Comdr WADF Hamilton AFB Hamilton Calif Comdr 26th ADiv (Def) Roslyn NY Comdr 30th ADiv (Def) Belleville, Mich Comdr Comdr 32nd ADiv (Def) Syracuse NY Comdr 35th ADiv (Def) Dobbins AFB Marietta, Ga Comdr 37th ADiv (Def) Truax Fld Madison Wisc Comdr 85th ADiv (Def) Andrews AFB Wash DC Comdr 20th ADiv (Def) Grandview AFB Grandview Mo Comdr 29th ADiv (Def) Malmstrom AFB Mont Comdr 31st ADiv (Def) St Paul Minn Comdr 33rd ADiv (Def) Tinker AFB Okla Comdr 34th ADiv (Def) Kirtland AFB Albuquerque N Mex Comdr 9th ADiv (Def) Geiger Fld Spokane Wash Comdr 25th ADiv (Def) McChord AFB Wash Comdr 27th ADiv (Def) Norton AFB Calif Comdr 28th ADiv (Def) Hamilton AFB Hamilton Calif Comdr 8th ADiv (AEW&C) McClellan AFB McClellan Calif CG 1st ARAA Regional Comd Ft Totter NY CG 2d ARAA Regional Comd Ft George Meade Md CG 5th ARAA Regional Comd Ft Sheridan Ill CG 6th ARAA Comd Ft Baker Calif CG 31st AA Brigade McChord AFB Wash CG 47th AA Brigade Ft McArthur Calif CG 52nd AA Brigade Ft Wadsworth NY	<input type="checkbox"/> MULTIPLE ADDRESSES CRYPTOPRECAUTION <input type="checkbox"/> YES <input type="checkbox"/> NO	REFERS TO MESSAGE: IDENTIFICATION CLASSIFICATION
(UNCLD) COHS <u>50328</u> . Fourth Anniversary of "Operation Skywatch" falls on Saturday, 14 July 1956. It w/b the focal point of national impact to call attention to Ground Observer Corps, its accomplishments to date and		
DRAFTER'S NAME (and signature, when required)	SECURITY CLASSIFICATION UNCLD	PAGE 1 OF 2 PAGES
SYMBOL TELEPHONE	RELEASING OFFICER'S SIGNATURE JOHN J. HAYES CW2 (CW-2) USAF Asst Command Ad	OFFICIAL TITLE

DD FORM 1 MAY 55 173

REPLACES WD AGO FORM 11-108, 15 JUN 1945, AND WD AGO FORM 108, 1 APR 1944, WHICH MAY BE USED.

AF-ABC-COLO. SP7RMS, COLG.

0778

ROUTING	JOINT MESSAGEFORM	COMMUNICATIONS CENTER NO.																	
SPACE ABOVE FOR COMMUNICATIONS CENTER ONLY																			
FROM: (Originator)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">DATE-TIME GROUP</td> <td style="width: 50%;">SECURITY CLASSIFICATION</td> </tr> <tr> <td style="width: 33%;">PRECEDENCE FOR:</td> <td style="width: 33%;">ACTION</td> <td style="width: 34%;">INFORMATION</td> </tr> <tr> <td><input type="checkbox"/> BOOK MESSAGE</td> <td colspan="2"><input type="checkbox"/> ORIGINAL MESSAGE</td> </tr> <tr> <td><input type="checkbox"/> MULTIPLE ADDRESS</td> <td colspan="2">CRYPTOPRECAUTION <input type="checkbox"/> YES <input type="checkbox"/> NO</td> </tr> <tr> <td colspan="3" style="text-align: center;">REFERS TO MESSAGE:</td> </tr> <tr> <td>IDENTIFICATION</td> <td colspan="2">CLASSIFICATION</td> </tr> </table>	DATE-TIME GROUP	SECURITY CLASSIFICATION	PRECEDENCE FOR:	ACTION	INFORMATION	<input type="checkbox"/> BOOK MESSAGE	<input type="checkbox"/> ORIGINAL MESSAGE		<input type="checkbox"/> MULTIPLE ADDRESS	CRYPTOPRECAUTION <input type="checkbox"/> YES <input type="checkbox"/> NO		REFERS TO MESSAGE:			IDENTIFICATION	CLASSIFICATION		
DATE-TIME GROUP	SECURITY CLASSIFICATION																		
PRECEDENCE FOR:	ACTION	INFORMATION																	
<input type="checkbox"/> BOOK MESSAGE	<input type="checkbox"/> ORIGINAL MESSAGE																		
<input type="checkbox"/> MULTIPLE ADDRESS	CRYPTOPRECAUTION <input type="checkbox"/> YES <input type="checkbox"/> NO																		
REFERS TO MESSAGE:																			
IDENTIFICATION	CLASSIFICATION																		
TO:																			
INFO:	<p>(UNCLD) COHIS <u>56328</u> (contd)</p> <p>present and future needs for civilian participation in the Continental Air Defense system. CinC, CONAD, has requested all general and flag officers in CONAD to make themselves available for speech participation in anniversary and that all engagements w/b booked by Speakers Bureau. OIS this HQ, to control placement thus insuring maximum saturation during week of 8 Jul 56. If individual general or flag officers receive invitations, immediate check is to be made with CONAD Speakers Bureau to determine whether speaking location is desirable from CONAD viewpoint before acceptance or rejection.</p>																		
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">SECURITY CLASSIFICATION UNCLD</td> <td style="width: 50%;">PAGE 1 OF 2 PAGES</td> </tr> </table>	SECURITY CLASSIFICATION UNCLD	PAGE 1 OF 2 PAGES																
SECURITY CLASSIFICATION UNCLD	PAGE 1 OF 2 PAGES																		
DRAFTER'S NAME (and signature, where required)	RELEASING OFFICER'S SIGNATURE																		
SYMBOL	TELEPHONE	OFFICIAL TITLE																	

DD FORM 173
1 MAY 56

REPLACES WD AGO FORM 11-196, 19 JUN 1961 AND WD AGO FORM 986, 1 APR 1961 WHICH MAY BE USED.

AF-ABC-COLD SPRINGS, COLD

0779

HEADQUARTERS, 32D AIR DEFENSE WING (ACAW)
Syracuse Air Force Station, Syracuse, N.Y.
14 January 1958

ATTENTION: As required

- 1. 32d Air Defense Wing
2. 1st ACW Squadron
3. 2d ACW Squadron
4. 3d ACW Squadron
5. 4th ACW Squadron
6. 5th ACW Squadron
7. 6th ACW Squadron
8. 7th ACW Squadron
9. 8th ACW Squadron
10. 9th ACW Squadron
11. 10th ACW Squadron

Table with 4 columns and 4 rows of data, likely representing unit assignments or counts.

SITUATION: In support of ADC operations...
General Observer Corps training exercise will be conducted...
and classification training to active Observer Corps units...
and cross-telling information training to active Observer Corps
Air Defense (Defense).

MISSION: Task Organizations of this command will provide a...
to formation with assigned loads of weapons, altitude and...
to provide training as outlined in above situation.

COORDINATE UNITS:

1. 32d Air Defense Wing will provide a...
of the 1st ACW Squadron...
of the 2d ACW Squadron...
of the 3d ACW Squadron...
of the 4th ACW Squadron...
of the 5th ACW Squadron...
of the 6th ACW Squadron...
of the 7th ACW Squadron...
of the 8th ACW Squadron...
of the 9th ACW Squadron...
of the 10th ACW Squadron...

61/1

- (4) Times of lead aircraft over IP, check point and target will be passed to AC&W Squadrons who will pass this information to Control Tech at the ADCC. Tracks will be designated "Magnum Howl".
- (5) Routes will be flown at an altitude of 2000 feet above the highest obstruction to flight.
- (6) Lead aircraft over each route will maintain constant power setting from IP to target.
- (7) Provisions of AFR 60-11, EADFR 60-13 and other pertinent directives will be complied with.
- (8) Weather minima will be 4000 feet ceiling, three miles visibility with five miles visibility at flight altitude.
- (9) Provisions of paragraph 6c, EADFR 60-13, dated 2 March 1958 are waived to allow accomplishment of mission as directed.
- (10) AC&W Squadrons will forward a report to this headquarters upon completion of exercise. Report will include the following:
 - (a) Number of intercepts attempted.
 - (b) Number of intercepts successful.
 - (c) Narrative of techniques used in control of successful and unsuccessful intercepts.
 - (d) List of GOC plots received to include GEMEF position, time of observation and time of receipt of plot information.
- (11) AC&W Squadrons will coordinate with associated FIS and other interceptors, made available by FIS commander, to maintain sufficient time to permit scramble. Practice intercepts will be

conducted using GOC information only. If possible, the
be turned off on control scopes utilized by other directors
providing intercept is monitored by another director on
completely operational scope.

- (11) Filter Centers will forward a copy of the overlay and one (1)
copy of Form 50 in accordance with EADPR 50-10, dated 11 June
1955 to Commander, 4673rd Ground Observer Squadron within 24
hours after completion of exercise.

4. LOGISTICS AND ADMINISTRATION:

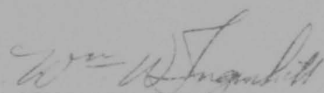
As normal.

5. COMMAND AND COMMUNICATIONS:

As normal.

ISRAEL
Brigadier General

OFFICIAL:



WILLIAM W. BREEN
Colonel, USAF
Deputy for Operations

DISTRIBUTION:

ADW (1 cpy)
ADW (1 cpy)
ADW 3 (2 cpy ea)
GOS Detachments (1 cpy ea)
Cdr, EADP (3 cpy)

0783

OPERATIONS ORDER)
)
 NUMBER 14-56)

HEADQUARTERS 32D AIR DIVISION (DEFENSE)
 Syracuse Air Force Station, Syracuse, N.Y.
 29 March 1956

CHART AND MAP REFERENCES: As required.

TASK ORGANIZATIONS:

Headquarters, 23d Fighter Group
 76th Fighter Interceptor Squadron
 75th Fighter Interceptor Squadron
 766th AC&W Squadron
 654th AC&W Squadron
 765th AC&W Squadron
 Headquarters, 14th Fighter Group
 27th Fighter Interceptor Squadron
 465th Fighter Interceptor Squadron
 764th AC&W Squadron
 655th AC&W Squadron
 Commander, Det #1, 4673rd Ground Observer Squadron
 Det #2, " " " "
 Det #3, " " " "
 Det #4, " " " "
 Det #5, " " " "

1. GENERAL SITUATION: In support of ADC Operations Plan 10-54, dated 1 December 1954, a Ground Observer Corps training exercise will be conducted 29 March 1956 to provide reporting and identification training to active Ground Observer Posts, and plotting, correlation and cross telling information training to filter centers within the 32d Air Division (Defense).

2. MISSION: Task Organizations of this command will provide a minimum of two (2) jet aircraft to fly in formation each designated route at minimum altitude and constant power setting to provide training as outlined in above situation.

3. TASKS FOR SUBORDINATE UNITS:

a. Commander, 23rd Fighter Group will provide a sufficient number of jet aircraft to insure a minimum of two (2) aircraft over the following routes at time indicated:

61/2

0784

- (1) 1830Z IP. Presque Isle, Maine to check point: Machais, Maine
4442N, 6728W to target Burlington Air Force Base, Vermont.

b. Commander, 14th Fighter Group will provide a sufficient number of jet aircraft to insure a minimum of two (2) aircraft over the following routes at time indicated:

- (1) 1830Z IP. Burlington, Vermont to check points: Huntingdon, Canada
4507N, 7410W to Massena, New York, 4456N, 7456W to target,
Syracuse, New York:

X. GENERAL:

- (1) This exercise will have the nickname of "HOP TOAD 9".
- (2) Routes will be flown on 29 March 1956 so as to be over IP at the above times, weather permitting. Fighter Interceptor Squadrons will notify the ADCC as soon as possible should the mission be cancelled due to weather.
- (3) Times of lead aircraft over IP, check point and target will be passed to AC&W Squadrons who will pass this information to the Control Tech at the ADCC. Tracks will be designated "Keystone How".
- (4) Routes will be flown at an altitude of 2000 feet above the highest obstruction to flight.
- (5) Lead aircraft over each route will maintain constant power setting from IP to target.
- (6) Provisions of AFR 60-16, EADFR 60-13 and other pertinent directives will be complied with.
- (7) Weather minima will be 4000 feet ceiling, three miles visibility with five miles visibility at flight altitude.

- (8) Provisions of paragraph 6a, EADFR 60-13, dated 4 March 1955 are waived to allow accomplishment of mission as directed.
- (9) AC&W Squadrons will forward a report to this headquarters upon completion of exercise. Report will include the following:
 - (a) Number of intercepts attempted.
 - (b) Number of intercepts successful.
 - (c) Narrative of techniques used in control of successful and/or unsuccessful intercepts.
 - (d) List of GOC plots received to include GEOREF position, time of observation and time of receipt of plot information at ADDC.
- (10) AC&W Squadrons will coordinate with associated FIS and advance interceptors, made available by FIS commander, to readiness in sufficient time to permit scramble. Practice intercepts will be conducted using GOC information only. If desired, signal may be turned off on control scopes utilized by attack directors providing intercept is monitored by another director with completely operational scope.
- (11) Filter Centers will forward a copy of the over-lay and one (1) copy of Form 50 in accordance with EADFR 50-10, dated 11 June 1955 to Commander, 4673rd Ground Observer Squadron within 48 hours after completion of exercise.

4. LOGISTICS AND ADMINISTRATION:

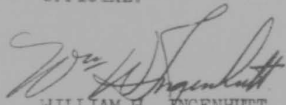
As normal.

5. COMMAND AND COMMUNICATIONS:

As normal.

ISRAEL
Brigadier General

OFFICIAL:


WILLIAM W. ENGENHUTT
Colonel, USAF
Deputy for Operations

DISTRIBUTION:

Comdr EADF (3 cys)
Fighter Groups (2 cys ea)
AC&W Squadrons (2 cys ea)
FIS (2 cys ea)
GCS Detachments (1 cy ea)

0787

OPERATIONS ORDER)
 NUMBER 18-50)

HEADQUARTERS 32D AIR DIVISION (DEFENSE)
 Syracuse Air Force Station, Syracuse, N.Y.
 25 April 1956

CHART AND MAP REFERENCES: As required.

TASK ORGANIZATION:

Headquarters, 23d Fighter Group
 76th Fighter Interceptor Squadron
 75th Fighter Interceptor Squadron
 766th AC&W Squadron
 694th AC&W Squadron
 765th AC&W Squadron
 Headquarters, 14th Fighter Group
 27th Fighter Interceptor Squadron
 469th Fighter Interceptor Squadron
 764th AC&W Squadron
 655th AC&W Squadron
 Commander, Det #2, 4673rd Ground Observer Squadron
 Det #5, " " " " "

1. GENERAL SITUATION: This Operations Order is in support of ADC OPLAN 10-54, 1 December 1954. Opportunities must be afforded the Ground Observer Corps to train in the reporting and processing of low altitude target information. Frequent training exercises will improve current procedures for the application of GOC information to the Air Defense System and promote and maintain the interest and support of the civilian volunteers.

2. MISSION: A Ground Observer Corps training exercise will be conducted on 22 May 1956 to provide the reporting and identification training for active Ground Observer Posts and Filter Centers in plotting, correlating and cross-checking information within the 32d Air Division (Defense).

3. TASKS FOR SUBORDINATE UNITS:

a. Commander, 23d Fighter Group will provide a sufficient number of jet aircraft to insure a minimum of two (2) aircraft over the following routes at time indicated:

61/3

0788

- (1) 1830Z IP, Presque Isle, Maine to check point: Machale, Maine
4442N, 6728W to target Burlington Air Force Base, Vermont.

b. Commander, 14th Fighter Group will provide a sufficient number of jet aircraft to insure a minimum of two (2) aircraft over the following routes at time indicated:

- (1) 1830Z IP, Burlington, Vermont to check points: Huntington, Canada
4507N, 7416W to Massena, New York, 4456N, 7456W to target,
Syracuse, New York.

X. GENERAL:

- (1) This exercise will have the nickname of "HOP TOAD 10".
- (2) Routes will be flown on 22 May 1956 so as to be over IP at the above times, weather permitting. Fighter Interceptor Squadrons will notify the ADCC Control Technician a minimum of one hour prior to take off if mission should be cancelled due to weather.
- (3) Times of lead aircraft over IP, check point and target will be passed to AC&W Squadrons who will pass this information to the Control Tech at the ADCC. Tracks will be designated "Keystone How".
- (4) Routes will be flown at an altitude of 2000 feet above the highest obstruction to flight.
- (5) Lead aircraft over each route will maintain constant power setting from IP to target.
- (6) Provisions of AFR 60-16, EASFR 60-13 and other pertinent directives will be complied with.
- (7) Weather minima will be 1000 feet ceiling, three miles visibility with five miles visibility at times indicated.

- (8) Provisions of paragraph 6a, EADFR 60-13, dated 4 March 1955 are waived to allow accomplishment of mission as directed.
- (9) ACW Squadrons will forward a report to this headquarters upon completion of exercise. Report will include the following:
 - (a) Number of intercepts attempted.
 - (b) Number of intercepts successful.
 - (c) Narrative of techniques used in control of successful and/or unsuccessful intercepts.
 - (d) List of GOC plots received to include GOREF position, time of observation and time of receipt of plot information at ADDC.
- (10) ACW Squadrons will coordinate with associated FIS to advance interceptors, made available by FIS commander, to readiness in sufficient time to permit scramble. Practice intercepts will be conducted using GOC information only. If desired, signal may be turned off on control scopes utilized by attack directors providing intercept is monitored by another director with completely operational scopes.
- (11) Filter Centers will forward a copy of the over-lay and one (1) copy of Form 50 in accordance with EADFR 50-10, dated 12 April 1956 to Commander, 467th Ground Observer Squadron within 48 hours after completion of exercise.

4. LOGISTICS AND ADMINISTRATION:

As normal.

5. COMMAND AND COMMUNICATIONS:

As normal.

ISRAEL
Brigadier General

OFFICIAL:

W. W. Ingemutt
WILLIAM W. INGENUTT
Colonel, USAF
Deputy for Operations

DISTRIBUTION:

Comdr BADF (3 cys)
Fighter Groups (2 cys ea)
ACW Squadrons (2 cys ea)
F43 (2 cys ea)
GS Detachments (1 cys ea)

0791

COPY

COPY

232050

UNCLASSIFIED

HQ 320 AD(D) SYR AFS SYR NY

ROUTINE

GROUP "FA"

COMDR 49TH FIS HANSCOM FLD, BEDFORD, MASS

COMDR 132 FIS DOW AFB, BANGOR, ME

COMDR 101 FIW DOW AFB, BANGOR, ME

COMDR 133FIS GREATER AFB, MANCHESTER, NH

COMDR 102 FIW LOGAN INTL APT, E BOSTON, MASS

EACOT-TS 2770

UNCLASSIFIED

COMDR 101 FIS LOGAN INTL APT, E BOSTON, MASS

COMDR 131 FIS BARNES MUNI APT, WESTFIELD, MASS

COMDR 133 FIS HANCOCK FIELD, SYRACUSE, NY (MAIL)

COMDR 139 FIS SCHENECTADY COUNTY MUNI APT, NY

COMDR 2234 AFRTG L G HANSCOM FLD, BEDFORD, MASS

COMDR NIA FALLS NAS, NIA FALLS, NY

COMDR 50 WEYMOUTH NAS, MASS

/UNCLASSIFIED/ACFOOT-A 01136 PD FOLG MSG QUOTED FYI AND REC

AUT CLN QUOTE /UNCLASSIFIED/EACOT-TS 2270. EXERCISE SKYTRAIN XI.

THIS IS EADF OPORD 1-56. CHART AND MAP REF AS RORD. TASK ORGN CLN

26TH, 30TH, 320, 35TH AIR DIVS (DEF) AND 4713TH RADAR EVAL (ECM)

FLT. 1. A SYSTEMS TNG EXERCISE W/B CONDUCTED BY THIS COMD 5 FEB

56. PURPOSE OF THE EXERCISE IS TO INCREASE THE CPNL EFFICIENCY OF THE GOC AND TO PROV SYSTEMS TNG IN LOW ALT SURVEILLANCE AND INTERPN.

A. NONE. B. ANG, AFRES AND NAVAL RES UNITS. 2. TO PROV A

REALISTIC LOW ALT TNG EXERCISE IN ORDER TO DEVELOP THE POTENTIAL

OF THE AIR DEF SYS TO DEFEND AGAINST ATKS OF THIS NATURE. THE MSG

UNCLASSIFIED

62/1

0792

COPY

COPY

W/B CONDUCTED IAW EADFR 50-10 AND IS NICKNAMED SKYTRAIN XI. 3. A. COMDRS AIR DIVS (DEF) WILL: (1) TAKE ACT AS OUTLINED IN PARA 4B OF EADFR 50-10. (2) ISSUE IMPLEMENTATION MSG 1130Z, 5 FEB 56. (3) INSURE THAT ADM'NS: (A) COMPLY WITH PROVS OF PARA 4C, EADFR 50-10, WITH PARTICULAR EMPHASIS ON PARA 4C(3). (B) MONI FOR AIRGROUND RADIO FREQS AS PRESCRIBED IN PARA 5B(1) TO THIS OPORD. (4) INSURE THAT FIL CENS: (A) COMPLY WITH PROVS OF PARA 4D, EADFR 50-10. (B) EVAL EA LEG OF SKYTRAIN XI MSGS IAW ATCHMT 1 AND 3 TO EADFR 50-10. (5) PRESCRIBE SIMULATED CONDITIONS OF AIR DEF WING AT THEIR DISCRETION AND IAW CONADR 55-1. (6) INSURE THAT PROV OF ADOR 55-21 ARE COMPLIED WITH BY PLTS CONDUCTING INTOPTS AGAINST EC 121 TYPE ACFT. PARTICULAR EMPHASIS W/B PLACED ON PROVS OF APARA 6 TO ABOVE REG. (7) PROV FTR ACFT, WHERE POSSIBLE, FOR PRACTICE INTOPTS BY THE AIRBORNE CONTROLLERS ABOARD EC 121 ACFT FLYING ROUTE FOX (ANNEX B). AIRBORNE CONTROLLERS WILL REQ FTR ACFT FOR THIS PURPOSE FOR APPROP ADDG'S. B. COMDR 4713TH RADAR EVAL (ECM) FLT WILL

UNCLASSIFIED

3 4

0793

COPY

COPY

INSURE THAT: (1) ROUTES ARE FLOWN AS DSGD IN ANNEX A. (2) EADF GOC IS NOTIFIED IMMED OF ANY MSN ACFT ABORT, CANCELLATION OR CHANGE IN SKEDD ROUTES AND THE REASONS THEREFOR. (3) ACCURATE POSIT REPTS ARE PASSED TO APPROP ADDCS A MIN OF ONCE EA 10 MINS. IN THE EVENT RAD CONTACT CANNOT BE ESTBD AT SUCH INTERVALS, DELAYED AND CURR POSIT REPTS W/B PASSED WHEN CONTACT IS ESTBD. (4) SP-7 CHARTS SHOWING ACT ROUTES FLOWN ARE FMDD THIS HQ ASAP SUBQ TO EXERCISE. X. (1) SKYTRAIN XI W/B CONDUCTED FROM 1300Z, 5 FEB to 0100Z, 6 FEB 56. IN THE EVENT INCIDENT MEA EXISTS OVER THE ENTIRE REGION THE MSN W/B CANCELLED BY AN ANNOUNCEMENT FROM THIS HQ PRIOR TO 0100Z, 5 FEB. (2) UPON RECOGNITION AS FRIENDLY, MSN TRACKS W/B CLASD KEYSTONE HOW AND REPTD IAW CONADM 55-1. (3) FILTER CENS W/B NOTIFIED AS EXPEDITIOUSLY AS POSSIBLE OF ANY MSN ACFT ABORT, CANCELLATION OR CHANGE IN FLT PLAN. (4) EVERY EFFORT W/B MADE TO INSURE THAT DELAYED ACFT POSIT REPTS ARE EXPEDITIOUSLY REPLAYED TO THE APPROP FILTER CENS. (5) DURING THE PERIOD OF THIS EXERCISE GOC OBSERVATION POSTS WILL REPT

UNCLASSIFIED 3 4

0794

COPY

COPY

TO FILTER CENS ALL ACFT DETECTED EXCEPT SMALL SINGLE ENGINE CONVENTIONAL ACFT. FILTER CENS WILL CONTINUE TO FMD TELL TO ADDCS IAW CURRENT DIRECTIVES. 4. A. (1) REPTS W/B SHMD #AWA PARA 5, EADFR 50-10 PARTS SEVEN (7) AND EIGHT (8) OF EADF FORMS 50 NEED NOT BE ACCOMPLD. (2) PUBLIC INFO RELEASES ARE AUTHD. RELEASES WILL REFER TO SKYTRAIN XI AS A TRNG EXERCISE. B. NORMAL. 5A. NORMAL (1) COMM BITN MON ACFT AND ACOMRON'S W/B ON FOLG FREQ: (A) VHF: 133.20 MEGS PRIMARY, 138.88 SECONDARY. (B) UHF: 351.0 MEGS PRIMARY, 364.2 MEGS SECONDARY. USE OF 364.2 MEGS W/B HELD TO A MIN. (2) ACOMRON'S WILL MONITOR ABOVE FREQS DURING ENTIRE EXERCISE PD IN CONCORDANCE W/TH PRIMARY AIR DEF MON. EXERCISE SKYTRAIN XI ANNEXES A, B, AND C TO EADF OPORD 1-56 TO FOL WHEN ROUTES ARE FINALIZED. UNCLCITE ALL INFORMED

UNCLASSIFIED 4 4

WM. M. SHELTON, LTCOL, USAF

W. M. INGENHUTT, COL, USAF

23/19552 JAN 56 D. COF

111 CDO/142N

0795

COPY

COPY

HQ 32D AD(D) SYR AFS SYR NY

24/15302
UNCLASSIFIED

ROUTINE

GROUP "TA" X
 CMDR 49TH FIS HANSCOM FLD, BEDFORD, MASS
 CMDR 132FIS DOW AFB, BANGOR, ME
 CMDR 101 FIW DOW AFB, BANGOR, ME
 CMDR 133 FIS GRENIER AFB, MANCHESTER, NH
 CMDR 102 FIW LOGAN INTL APT, E BOSTON, MASS EACOT-TS 2342
 CMDR 101 FIS LOGAN INTL APT, E BOSTON, MASS UNCLASSIFIED
 CMDR 131 FIS BARNES MUNI APT, WESTFIELD, MASS
 CMDR 139 FIS HANCOCK FIELD, SYRACUSE, NY (MAIL)
 CMDR 139 FIS SCHENECTADY COUNTY MUNI APT, NY
 CMDR 2234 AFRTC L G HANSCOM FLD, BEDFORD, MASS
 CMDR NIA FALLS NAS, NIA FALLS, NY
 CMDR 50 WEYMOUTH NAS, MASS

INFO: CMDR FIRST AIR FORCE, MITCHELL FIELD, NY

/UNCLASSIFIED/ACFOGT-A 01139 PD THE FOLG MSG QUOTED IN PART
 FYI AND NEC ACT CLN QUOTE /UNCLASSIFIED/EACOT-TS 2342. EXERCISE
 SKYTRAIN XI. THIS IS ANNEX A TO EADF OPRD 1-56. 1. FOLG ROUTES
 W/B FLOWN BY 4713TH RADAR EVAL (ECM) FLT: A. SKYTRAIN XI ABLE:
 FOR 30TH AIR DIV. B. SKYTRAIN XI BAKER: FOR 35TH AIR DIV. C.
 SKYTRAIN XI CHARLIE. ONE B-29 FROM GRIFFISS AFB, NY /1051300Z/
 TO CHICOPEE, MASS RNG; TO CHARLESTON, RI RBN; TO STEWART AFB, NY
 RBN; TO NAVY LAKEHURST, NJ RNG; TO ATLANTIC CITY, NJ RNG; TO
 DOWER DEL RNG; TO MILKES BARRE, PA RNG; TO FRONT ROYAL, VA RNG;
 TO BALTIMORE, MD RNG; TO CHARLOTTESVILLE, VA CC; TO NORFOLK, VA RNG;

UNCLASSIFIED

1

2

62/2

0796

COPY

COPY

TO PAYNESVILLE, W VA RBN; TO CHARLESTON, W VA RNG; TO JOHNSTOWN, PA
 RBN TO BRADFORD, PA RBN; TO BINGHAMTON, NY CC /DB/. D. SKYTRAIN
 XI DOG. ONE B-29 FM GRIFFISS AFB, NY /IP 051300Z/; TO OTTAWA,
 CAN RNG; TO PROVIDENCE, RI RNG; TO NEWPORT, VT CC; TO AUGUSTA, ME
 RNG; TO CALAIS, ME CC /HA 4811/; TO PRESQUE ISLE, ME RNG; TO
 GREENVILLE, ME CC /FA 2327/; TO ELMIRA, NY RNG; TO DUNKIRK, NY
 RBN; TO UTICA, NY RNG /DP/. 2. TAKE OFF W/B SKEDD TO INSURE IF
 TIMES ARE MADE GOOD. ROUTES TO IP AND FR DP W/B AT PLTS DISCRETION
 EXCEPT THAT FINAL APPROACH TO IP W/B CN REALISTIC PENETRATION HEAD-
 ING WHERE PRACTICABLE. 3. VFR FLT W/B MAINTAINED WHERE POSSIBLE
 THROUGHOUT ROUTES. PORTIONS RORG INFR FLT W/B FLOWN AS RORD BY
 ARTCC BUT WILL CONFORM AS CLOSELY AS POSSIBLE TO PLANNED ROUTES.
 4. ACFT WILL ABORT FOR MEA IF ENTIRE ROUTE IS BELOW VFR MINS. 5.
 ALT W/B BELOW 5000 FT ABOVE TERRAIN WHERE POSSIBLE. 6. DELAY
 POSIT REPTIS FOR THOSE PORTIONS OF ROUTES WHERE RAD CONTACT WITH
 ADDC'S IS NOT POSSIBLE W/B TRANSMITTED TO THE FIRST ADDC WITH
 WHICH RAD CONTACT IS LATER ESTBD.

UNCLASSIFIED

2 3

0797

COPY

COPY

PLT WILL REQ ADDC TO EFFECT EXPEDITIOUS RELAY OF THESE
DELAYED REPTS TO APPROP FILTER CENS. ANNEX A EXERCISE SKYTRAIN
XI, EADF OPRD 1-56. UNQUOTE ALL INFORMED

UNCLASSIFIED 3 3

WM. M. SHELTON, LT COL, USAF

W. W. INGENHUTT, COL, USAF

23/2040Z JAN 56 D/OOT 111

ODG/142

0798

COPY

HQ 32D AD(D) SYR AFS SYR NY M 252120 UNCLASSIFIED
GROUP "EA" ROUTINE
X X

/UNCLASSIFIED/ACFOOT-A 01144 PD THIS MSG IN A 4 PARTS PD
EXERCISE SKYTRAIN XI PD THE FOLG INSTS SUPP EADF LPORD 4--56 CLN
PART ONE PD INTOPS W/B ATTEMPTED UTILIZING GOC TRACK INFO ONLY PD
IF DESIRED) CMM SIGNAL MAY BE TURNED OFF ON CON SCOPES UTILIZED BY
ATK DIRECTORS PROVIDING INTOP IS MONITORED BY ANOTHER DIRECTOR WITH
COMPLETELY OPNL SCOPE PD PART TWO PD ANG ACFT ON ACT AIR DEF ALERT
W/B SCRAMBLED TO INTOP ESTBD SKYTRAIN STRACKS PD ACORNS WILL
LOCALLY DETERMINE AVAL OF OTHER ANG AND AFRES ACFT WHICH DESIRE TO
PARTICIPATE IN INTOP THIS PD PART THREE PD THE FIS STANDING ALERT
AT PQT AND FMH WILL MAKE TWO BACK-UP ACFT AVAL FOR PARTICIPATION

UNCLASSIFIED 1 2

62/3

0799

COPY

IN SKYTRAIN XI AND WILL ATTEMPT AN AI INTCP PD WHERE ANG OR AFRES
ACFT IN THE NIA FALLS AND BURLINGTON AREAS DO NOT PARTICIPATE THE
47TH FIS AND 37TH FIS W/B PREPARED TO FURN TWO BACK-UP ACFT FOR
SCRAMBLE BY THE ASSOC ADDC PD PART FOUR PD ACYRONS WILL INSURE THAT
BACK-UP ACFT ARE NOT MOVED TO AN ADVANCED STATE OF READINESS UNLESS
IT CAN BE REASONABLY DETERMINED THAT THESE ACFT W/B USED FOR
PRACTICE INTCPs AGAINST SKYTRAIN TGT ACFT OR FOR TNG OF AEM&C
AIRBORNE CONTROLLERS PD THIS DETERMINATION CAN BE MADE FROM EW
FROM THE ADDC OR WARNING TELLING FROM ADJACENT ADDC'S PD THE ADDC
CONTROLLER W/B CONTACTED FOR ADVISE IN DECIDING WHETHER ACFT SHOULD
BE ADVANCED TO A STATE OF READINESS PD EXERCISE SKYTRAIN XI PD ALL
INFORMED

WM. M. SHELTON, LTCOL, USAF
25/1445Z JAN 56 D/COF 111

UNCLASSIFIED 2 2
W. W. INGENHUTT, COL, USAF
ODD/142

0800

C O P Y

HQ 32D AD(D) SYR AFS SYR NY
GROUP "TA"

UNCLASSIFIED

ROUTINE

X

X

EACOT-15 3264 UNCLASSIFIED

/UNCLASSIFIED/ACFOOT-A 01145 PD FOLG EADF MSG QUOTED FYI AND
NEC ACT CLN QUOTE /UNCLASSIFIED/EACOT-15 3264. THIS IS CHANGE
NBR 1 TO EADF OPORD 1-56, EXERCISE SKYTRAIN XI. ADD PARA 3X(6):
"AIR DIV (DEF) COMDRS ARE AUTH TO REQ 4713TH RAD EVAL FLT ACFT
COMDRS TO MAKE SPECIFIC CHANGES IN FLT PLANNED ROUTE WHILE EX-
ERCISE SKYTRAIN XI IN PROG WHEN SUCH CHANGES WILL ENABLE MSN
ACFT TO AVOID IFR FLT CONDS. THE AIR DIV (DEF) COMDR REQUESTING
FLT PLAN CHANGES WILL INSURE THAT THE FOLG PRECEDURE IS ADHERED
TO: (A) REQ FOR CHANGE W/B MADE VIA AIR/GRND RADIO BY THE APPROP
ADC ONLY UPON DIR OF THE AIR DIV (DEF) COMDR. ADDC'S WILL NOT
REQ FLT PLAN

UNCLASSIFIED

62/4
1 2

0801

C O P Y

CHANGES ON THEIR OWN INITIATIVE. (B) APPROP FTL CENS MUST BE PROVIDED WITH AT LEAST 15 MINS ADVANCE NOTICE OF ALL FTL PLAN CHANGES. (C) NEC COORD W/3 EFFECTED WITH ADJACENT AIR DIV (DEF) COMDRS TO INSURE THEM OF AT LEAST 30 MINS ADVANCE NOTICE OF ALL FLT PLAN CHANGES WHICH MAY EFFECT THE FLT PLANNED ROUTE IN THEIR AREAS OF RESPONSIBILITY. (D) ADDC'S WILL RENDER MSN ACFT COMDRS ALL POSSIBLE ASSISTANCE IN OBTAINING NEC IFR CLEARANCES FROM ARTCC'S. (E) MSN ACFT COMDRS WILL NOT COMPLY WITH REQS FOR FLT PLAN CHANGES WHICH IN THEIR OPINION, ARE PREJUDICIAL TO FLY SAFETY." EXERCISE SKYTRAIN XI. ALL INFORMED

UNCLASSIFIED 2 2

W. M. SHELTON, LT COL, USAF W. W. INGENHUTT, COL, USAF

25/1515Z JAN 56 D/COT 111 GDC/142

0802

COPY

COPY

HO 320 AD(D) SYR AFS SYR NY 3/2130Z UNCLASSIFIED

PRIORITY

GROUP "TA"

COMDR 101 FIW, DOW AFB, BANGOR, ME
 COMDR 132 FIS, DOW AFB, BANGOR, ME
 COMDR 133 FIS, GRENIER AFB, MANCHESTER, NH
 COMDR 134 FIS, BURLINGTON MUNI APT, VT
 COMDR 102 FIS, LOGAN INT APT, E BOSTON, MASS EACOT-TS 4396
 UNCLASSIFIED

COMDR 101 FIS, LOGAN INT APT, E BOSTON, MASS
 COMDR 131 FIS, BARNES MUNI APT, WESTFIELD, MASS
 COMDR 107 FIW, NIA FALLS MUNI APT, NIA FALLS, NY
 COMDR 136 FIS, NIA FALLS MUNI APT, NIA FALLS, NY
 COMDR 138 FIS, HANCOCK FIELD, SYRACUSE NY
 COMDR 139 FIS, SCHENECTADY COUNTY MUNI APT, NY
 COMDR, 2256 AFR TC, NIA FALLS MUNI APT, NIA FALLS, NY
 COMDR, 2234 AFR TC, L G HANSCOM AFB, BEDFORD, MASS
 COMDR, 551ST AEW&C WG, OTIS AFB, FALMOUTH, MASS

INFO: COMDR 1ST AIR FORCE, MITCHELL AFB, NY

/UNCLASSIFIED/ALFOOT-A 01193 PD FOLG EADF MSG QUOTED FYI
 AND NEG ACT CLN QUOTE /UNCLASSIFIED/EACOT-TS 4396. EXERCISE
 SKYTRAIN XI. THIS IS ANNEX B TO EADF OPORD 1-56. L. COMDR 551ST
 AEW&C WG HAS AGREED TO FURN ONE EC-121D TO FLY THE FOLG ROUTE:
 SKYTRAIN XI FOX. FROM OTIS AFB, MASS; TO HARTFORD, CONN RING; TO
 BURLINGTON, VT RING; TO UTICA, NY RING; TO ROCHESTER, NY RING; TO
 BUFFALO, NY RING; TO PITTSBURGH, PA RING; TO MANSFIELD, OHIO VOR;
 TO FT WAYNE, IND VOR; TO LANSING, MICH RING; TO CHICAGO, ILLINOIS
 VOR; TO WRIGHT-PATTERSON AFB, OHIO RING; TO COLUMBUS, OHIO VOR;

UNCLASSIFIED

62/5

0803

C O P Y

C O P Y

TO CHARLESTON, W VA VOR; TO PITTSBURGH, PA VOR; TO WASHINGTON, DC
 RING; TO DOVER, DEL RING; TO ALLENTOWN, PA VOR; TO ALBANY, NY RING/
 TO OTIS AFB, MASS (DI). 2. ACFT WILL DEPART OTIS AFB APRX
 051300Z FEB. 3. ENTIRE ROUTE SHOULD BE FLOWN VFR BELOW 5000 FT
 ABOVE TERRAIN. WHERE VFR FLT IS NOT FEASIBLE, 1/3 FLOWN AS
 ORD BY ARTUC'S BUT SHOULD FOL PLANNED ROUTE AS CLOSELY AS POS.
 4. ACFT WILL ABORT FOR MEA IF ENTIRE ROUTE IS BELOW VFR MINS. 5.
 FLT WILL ADVISE APPROP ADDC ASAP OF ANY CHANGE IN PLANNED ROUTE
 WHILE AIRBORNE. 6. REQ COMDR 5518T AEW&C IN ROUTE PRIOR TO TAKE-
 OFF OR INABILITY TO PARTICIPATE AS SKEDD. 7. ACCURATE POSIT REPTS
 W/B PASSED TO APPROP ADDC'S EVERY TEN MINS ON 351.0 MCS PRIMARY,
 364.2 MCS SECONDARY. USE OF 364.2 MCS W/B HELD TO MIN. 8. POSIT
 REPTS FOR THAT PORTION OF THE ROUTE WHERE RAD CONTACT IS NOT
 POSSIBLE W/B TRANSMITTED TO THE FIRST ADDC WITH WHICH RAD CONTACT

UNCLASSIFIED 2 3

0804

COPY

COPY

IS LATER ESTBD. FLT WILL REQ ADDL TO EFF EXPEDITIOUS RELAY
 OF THESE DELAYED REPTS TO APPROP FILTER CENS. THIS PROC IS
 NEC TO AID OFFL OBSR ASSESS AND EVAL GOC CAPABILITY WHILE MSN
 IS IN PROG. 2. COMDR 551ST AEW&C WG HAS REQD THAT A MAX AMT
 OF FTRS BE MADE AVAIL FOR AIRBORNE CON DURING THIS FLT. AIR
 DIV (DEF) COMDRS WILL PROV, WHERE POSSIBLE, FTR ACFT FOR AIR-
 BORNE DIR VECTORING AND INTCP PRACTICE. REQS FOR THESE FTRS
 W/B MADE BY AIRBORNE DIRS TO APPROP ADJUS ENROUTE. UNCLUTE
 ALL INFORMED

UNCLASSIFIED 3 3

WM. M. SHELTON, LTJCOL, USAF

W. V. INGENHUTT, COL, USAF

3/1700Z FEB 56.

D/COF

111

DDC/142

0805

COPY

COPY

9/21/02

UNCLASSIFIED

HQ 32D AD(D) 3YR AFS 3YR INT PRIORITY

- GROUP "FA" X
- COMDR 101 FIW, DCW AFB, BANGOR, ME
- COMDR 132 FIS, DCW AFB, BANGOR, ME
- COMDR 133 FIS, GREATER AFB, MANCHESTER, NY
- COMDR 134 FIS, BURLINGTON MUNI APT, VT
- COMDR 102 FIW, LOGAN INT APT, E BOSTON, MASS EAGOT-15 4997
- COMDR 101 FIS, LOGAN INT APT, E BOSTON, MASS
- COMDR 131 FIS, BARNES MUNI APT, WESTFIELD, MASS UNCLASSIFIED
- COMDR 107 FIW, NIA FALLS MUNI APT, NY
- COMDR 136 FIS, NIA FALLS MUNI APT, NY
- COMDR 139 FIS, HANCOCK FIELD, SYRACUSE, NY (PHONE)
- COMDR 139 FIS, SCHENECTADY COUNTY MUNI APT, NY
- COMDR, 2276 AFRTD, NIA FALLS MUNI APT, NY
- COMDR, 2234 AFRTD, 30 WEYMOUTH NAS, MASS
- COMDR, NIA FALLS NAS, NY
- COMDR 30 WEYMOUTH NAS, MASS
- COMDR 6520 TEST SUPPORT SQ, L O HANCOCK FLD, BELFORD, MASS

INFO: COMDR 131 AIR FORCE, WITFORD AFB, NY

UNCLASSIFIED /ADFCOT-A 02020 PD THE FOUR EADF MSG QUOTED

FYI AND REQ ACT: QUOTE /UNCLASSIFIED/EAGOT-15 4997. 0000 EXERCISE

SKYTRAIN XI. EXERCISE SKYTRAIN XI HAS BEEN RESCHED FOR 12 FEB

56. EADF OPORD 1-56, ANNEXES AND CHANGES TO THESE MSGS ARE AS

FOLS. "DELETE THE DATES 5 AND 6 FEB WHEREVER THEY APPEAR AND

SUBSTITUTE 12 AND 13 FEB RESPECTIVELY." UNQUOTE ALL INFORMED

UNCLASSIFIED 1 1

WM, W. SHELTON, LTJG, USAF W. W. HAGENHUTT, COL, USAF

10-15-02 FEB 56 0900Z 111 060/142

02/6

0806

COPY

COPY

HQ 32D AD(D) SYR AFS SYR NY
GROUP "TA"

10/2230Z UNCLASSIFIED
PRIORITY

X

X

EA00T-15 5775 UNCLASSIFIED

/UNCLASSIFIED/ACFOOT-A02019___PD FOLG EADF MSG QUOTED FYI AND
NEC ACT CLN QUOTE /UNCLASSIFIED/EA00T-15 5775. SUBJ EXERCISE
SKYTRAIN XI. IN THE EVENT THAT COMDR 4713TH RAD EVAL (ECM) FLT
FINDS IT NEC TO UTILIZE B-25 ACFT IN LIEU OF B-29 ACFT TO FLY MSN
RTE DOG THE FOLG CHANGE W/B MADE TO ANNEX A, EADF OPORD 1-56:
CHANGE PARA 1(D) TO READ "SKYTRAIN XI DOG. ELEMENT OF 2 B--25S
FROM GRIFFISS AFB, NY (IP 051300Z); TO OTTAWA, CAN RNG; TO PRO-
VIDENCE, RI RNG; TO NEWPORT, VT CC(CQ4856); TO AUGUSTA, ME RNG;
TO BANGOR, ME CC (DP). LAND AND REFUEL AT DOW AFB, ME." INSERT
PARA 1 (E) AS FOLS: "1E. SKYTRAIN XI EASY. ELEMENT OF 2 B-25S
FR DOW AFB, ME (IP ~~05~~ 051830Z); TO CALAIS ME CC (HA4811); TO
GREENVILLE, ME CC (FA2327); TO ELMIRA, NY RNG; TO DUNKIRK, NY
RBN; TO UTICA, NY RNG (DP)." UNQUOTE ALL INFORMED

UNCLASSIFIED 1 1

WM. M. SHELTON, LTCOL, USAF

W. W. INGENHUTT, COL, USAF

10/2200Z FEB 56 D/OOT

111

ODO/142

62/7

0807

COPY

COPY

23/2145Z
UNCLASSIFIED

HQ 32D AD(L) SYR AFS SYR NY ROUTINE
 GROUP "TA"
 COMDR 101 FIW, DOW AFB, BANGOR, ME X
 COMDR 132 FIS, DOW AFB, BANGOR, ME X
 COMDR 133 FIS, GRENIER AFB, MANCHESTER, NH
 COMDR 134 FIS, BURLINGTON MUN APT, VT
 COMDR 102 FIW, LOGAN INT APT, E BOSTON MASS EA00T-TS 7257 UNCLASSIFIED
 COMDR 101 FIS, LOGAN INT APT, E BOSTON, MASS
 COMDR 131 FIS, BARNES MUN APT, WESTFIELD, MASS
 COMDR 107 FIW, NIA FALLS MUN APT, NY
 COMDR 136 FIS, NIA FALLS MUN APT, NY
 COMDR 133 FIS, HANCOCK FIELD, SYRACUSE, NY (MAIL)
 COMDR 139 FIS SCHENECTADY COUNTY MUNI APT, NY
 COMDR 2256 AFRTU, NIA FALLS MUNI APT, NY
 COMDR 2234 AFRTU, L G HANSCOM FIELD, BEDFORD, MASS
 COMDR NIA FALLS NAVAL AIR STA, NY
 COMDR 50 WEYMOUTH NAVAL AIR STA, MASS
 COMDR 6520 TEST SUPPORT WG, L G HANSCOM FLD, BEDFORD, MASS
 INFO: COMDR 1ST AIR FORCE, MITCHELL FIELD, NY

/UNCLASSIFIED/EA00T-A_02105_PD FOLG MSG QUOTED FYI AND NEC
 ACT CLN QUOTE /UNCL/EA00T-TS 7257. EXERCISE SKYTRAIN XII. THIS
 IS EADF OPORD 4-56. CHART AND MAP REF AS FORD. TASK ORGN: 26TH,
 30TH, 32D, 35TH, 37TH, 53TH, 35TH AIR DIVS (DEF) AND 4713TH RAD
 EVAL (ECM) FLT. 1. A SYS TRG EXERCISE W/B CONDUCTED BY THIS COMD
 11 MAR 56. PURPOSE OF THE EXERCISE IS TO INCREASE THE OPNL
 EFFECTENCY OF THE GOC AND TO PROV SYS TRG IN LOW ALT SURVEILLANCE
 AND INTERN. A. NONE. B. AND, AFRES AND NAV RES UNITS. 2. TO
 PROV A REALISTIC LOW ALT TRG EXERCISE IN ORDER TO DEVELOP THE

UNCLASSIFIED 1

62/8

0808

COPY

COPY

POTENTIAL OF THE AIR DEF SYS TO DEFEND AGAINST ATKS OF THIS NATURE. THE MSN W/B CONDUCTED THE EADFR 50-10 AND IS NICKNAMED SKYTRAIN XII.

3. A. COMDRS AIR DIVS (DEF) WILL: (1) TAKE ACT AS OUTLINED IN PARA 4B OF EADFR 50-10. (2) ISSUE IMPLEMENTATION MSG 1130Z, 11 MAR 56. (3) INSURE THAT AMRON: (A) COMPLY WITH PROVS OF PARA 4C, EADFR 50-10, WITH PARTICULAR EMPHASIS ON PARA 4C(3). (B) MONITOR AIR-GROUND RADIO FREQS AS PRESCRIBED IN PARA 5B TO THIS CORD. (4) INSURE THAT FILTER CENS: (A) COMPLY WITH PROVS OF PARA 4D, EADFR 50-10. (B) EVAL EA LEG OF SKYTRAIN XII MSGS 1A' ATUIMT 1 AND 3 TO EADFR 50-10. (5) PRESCRIBE SIMULATED CONDITIONS OF AIR DEF YNG AT THEIR DISCRETION AND 1A' CNAD REG 55-1. (6) PROVIDE FIR ACFT, WHERE PRACTICABLE, FOR PRACTICE INTOPS BY THE AIRBORNE CONTROLLERS ABOARD EC-121 ACFT FLYING ROUTE FOX (ANNEX B). AIRBORNE CONTROLLERS WILL REQ FIR ACFT FOR THIS PURPOSE FROM APPROP ADDCS. B. COMDR 4713TH RADAR EVAL (ECM) FLT WILL INSURE THAT: (1) ROUTES ARE FLOWN AS DCGD IN ANNEX A. (2) EADF COC IS NOTIFIED

UNCLASSIFIED 2

5

0809

COPY

COPY

TIMED OF ANY MSN ACFT ABORT, CANCELLATION OR CHANGE IN SKEDD
 ROUTES AND THE REASONS THEREFORE. (3) ACCURATE POSIT REPTS ARE
 PASSED TO APPROP ADDG'S A MIN OR ONCE EA 10 MINS. IN THE EVENT
 RAD CONTACT CANNOT BE ESTBD AT SUCH INTERVALS, DELAYED AND CURR
 POSIT REPTS W/B PASSED WHEN CNFACT IS ESTBD. (4) SP-7 CHARTS
 SHOWING ACT ROUTES FLOWN ARE FYDD THIS HQ ASAP SUBJ TO EXERCISE.
 X. (1) SKYTRAIN X11 W/B CONDUCTED FROM 1300Z11 MAR TO 0100Z, 12
 MAR 56. IN THE EVENT INCIDENT "EA EXISTS OVER THE ENTIRE REGION
 THE MSN W/B CANCELLED BY AN ANNOUNCEMENT FR THIS HQ PRIOR TO 0100Z,
 11 MAR. (2) UPON RECOGNITION AS FRIENDLY, MSN TRACKS W/B CLASD
 KEYSTONE HOM AND REPTD IAW CONAD MANUAL 55-1. (3) FILTER CENS
 W/B NOTIFIED AS EXPEDITIOUSLY AS POSSIBLE OF ANY MSN ACFT ABORT,
 CANCELLATION OR CHANGE IN FLT PLAN. (4) EVERY EFFORT W/B MADE
 TO INSURE THAT DELAYED ACFT POSIT REPTS ARE EXPEDITIOUSLY RELAYED
 TO THE APPROP FILTER CENS. (5) DUR THE PERIOD OF THIS EXERCISE
 GOC OBSERVATION POSTS WILL REPT TO FILTER CENS ALL ACFT DETECTED
 EXCEPT SMALL SINGLE ENGINE

UNCLASSIFIED

3

5

0810

COPY

COPY

CONVENTIONAL ACFT. FILTER CENS WILL CONTINUE TO FWD TELLS TO ADDCS IAW CURRENT DIRECTIVES. (6) AIR DIV (DEF) COMDRS ARE AUTH TO REL 4713TH RAD EVAL (ECM) FLT ACFT COMDRS TO MAKE SPECIFIC CHANGES IN FLT PLANNED ROUTE WHILE EXERCISE IS IN PROG WHEN SUCH CHANGES WILL ENABLE MSN ACFT TO AVOID IFR FLT CONDS. THE AIR DIV (DEF) COMDR REQUESTING FLT PLAN CHANGES WILL INSURE THAT THE FOLG PROCEDURE IS ADHERED TO: (A) REL FOR CHANGE W/B MADE VIA AIR/GROUND RADIO BY THE APPROP ADDC ONLY UPON DIRECTION OF THE AIR DIV (DEF) COMDR. ADDCS WILL NOT REL FLT PLAN CHANGES ON THEIR OWN INITIATIVE. (B) APPROP FILTER CENS MUST BE PROVIDED WITH AT LEAST 15 MINS ADVANCE NOTICE OF ALL FLT PLAN CHANGES. (C) NEC COORD W/B EFFECTED WITH ADJACENT AIR DIV (DEF) COMDRS TO INSURE THEM OF AT LEAST 30 MINS ADVANCE NOTICE OF ALL FLT PLAN CHANGES WHICH MAY AFFECT THE FLT PLANNED ROUTE IN THEIR AREAS OF RESPONSIBILITY. (D) IN THE EVENT MSN ACFT IS NOT ABLE TO CONTACT APPROP GROUND FACILITY ADDCS WILL RENDER MSN ACFT COMDRS ALL POSSIBLE ASSISTANCE IN OBTAININ NEC IFR CLNC FROM ARTCC'S. (E) MSN

UNCLASSIFIED 4 5

0811

COPY

COPY

AFLT COMDRS WILL NOT COMPLY WITH REQS FOR FLT PLAN CHANGES WHICH
 IN THEIR OPINION, ARE PREJUDICIAL TO FLYING SAFETY. 4. AJM (1)
 REPTS W/B SBMD IAW PARA 5, EADFR 50-10. PARTS SEVEN (7) AND EIGHT
 (8) OF EADFR RUMS 50 NEED NOT BE ACCOMPLD. (2) PUBLIC INFO RELEASES
 ARE AUTHD. RELEASES WILL REFER TO SKYTRAIN XII AS A TNG EXERCISE.
 B. NORMAL. 5. A. NORMAL (1) COMM BTRN MSN AFLT AND ADMONS W/B
 ON FOLD FRE : (AA) WHF: 133.20 MEGS PRIMARY, 137.33 SECONDARY. (B)
 WHF: 351-0 MEGS PRIMARY, ~~364.2~~ 364.2 MEGS SECONDARY. USE OF 364.2
 MEGS W/B HELD TO A MIN. (2) ADMONS WILL MONITOR ABOVE FRE S
 DUR ENTIRE EXERCISE. IN CONFORMANCE WITH PRIMARY AIR DEF MSN.
 EXERCISE SKYTRAIN XII ANNEXES A, B, AND C TO EADFR OFRD 4-56 TO FUL
 WHEN ROUTES ARE FINALIZED. UNCLUE ALL INFORMED

UNCLASSIFIED 5 5

WM. M. SHELTON, LTJG, USAF - Y. W. HAGEN-OTT, COL, USAF
 23/145Z Feb 56 D/OUT 111 000/142

0812

CCPY

CCPY

2/21/57

HR 320 AD(1) OVR AFB, SYR NY

UNCLASSIFIED

- CCDR, 4707th ADM, OTIS AFB, MASS ROUTINE
- CCDR, 14 FG, EBAN ALLEN AFB, WINDSOR, VT
- CCDR, 15 FG, NIA FALLS MUNI APT, NY
- CCDR, 23 FG, FCI AFB, ME
- CCDR, 33 FG, OTIS AFB, MASS
- CCDR, 644 ADMON, RYE AFB, DEARBORN, MI EXECUT-15 3,4 UNCLASSIFIED
- CCDR, 654 ADMON, BRUNSWICK NAS, ME
- CCDR, 655 ADMON, WATERLOO AFB, NY
- CCDR, 656 ADMON, SARATOGA SPRINGS AFB, NY
- CCDR, 862 ADMON, NO TRURO AFB, MASS
- CCDR, 763 ADMON, LOCKPORT AFB, NY
- CCDR, 764 ADMON, ST ALBANS AFB, VT
- CCDR, 765 ADMON, CHARLESTON AFB, ME
- CCDR, 766 ADMON, CASWELL AFB, ME
- CCDR, 27 FIS, GRIFFISS AFB, ROSE, NY
- CCDR, 37 FIS, EBAN ALLEN AFB, WINDSOR, VT
- CCDR, 47 FIS, NIA FALLS MUNI APT, NY
- CCDR, 49 FIS, WYMANSCOM FLD, BEDFORD, MASS
- CCDR, 53 FIS, OTIS AFB, MASS
- CCDR, 60 FIS, OTIS AFB, MASS
- CCDR, 77 FIS, FCI AFB, ME
- CCDR, 78 FIS, FCI AFB, ME
- CCDR, 337 FIS, WESTOVER AFB, CHICOPEE FALLS, MASS
- CCDR, 324 FIS, WESTOVER AFB, CHICOPEE FALLS, MASS
- CCDR, 465 FIS, GRIFFISS AFB, ROSE, NY
- CCDR, 101 FIW, DON AFB, BANGOR, ME
- CCDR, 132 FIS, DON AFB, BANGOR, ME
- CCDR, 133 FIS, GREYER AFB, MANCHESTER, NH
- CCDR, 134 FIS, BURLINGTON MUNI APT, VT
- CCDR, 102 FIW, LOGAN INTL APT, E BOSTON, MASS
- CCDR, 101 FIS, LOGAN INTL APT, E BOSTON, MASS
- CCDR, 131 FIS, BARNES MUNI APT, WESTFIELD, MASS
- CCDR, 107 FIW, NIA FALLS MUNI APT, NY
- CCDR, 136 FIS, NIA FALLS MUNI APT, NY
- CCDR, 138 FIS, HANCOCK FIELD, SYRACUSE, NY (MAIL)
- CCDR, 139 FIS, SOFECTADY COUNTY MUNI APT, NY

UNCLASSIFIED 1 7

62/9

0813

COPY

COPY

(CONT'D)

COMDR, 2256 AFRTU, NIA FALLS MUNI APT, NY
 COMDR, 2234 AFRTU, LG HANSCOM FLD, BEDFORD,
 MASS
 COMDR, NIA FALLS NAS, NIA FALLS, NY
 COMDR, 30 WEYMOUTH NAS, MASS
 COMDR, 6520 TEST SUPPORT WING, LG HANSCOM FLD, BEDFORD, MASS
 INFO: COMDR 1ST AF, MITCHELL AFB, NY

/UNCLASSIFIED//ALFOOT-A 03014 TO THE FOLG MSG IN THREE PARTS 4
 PART 1: EADDF-TS 3074 DTD 1 MAR 56 QUOTED FYI AND NEG ACT CUN
 QUOTE EXERCISE SKYTRAIN XII. THIS IS ANNEX A TO EADDF OFORD
 4-56. 1. FOLG ROUTES W/S FLOWN BY 4713TH RAD EVAL (ECW) FLT:
 A. SKYTRAIN XII TABLE: ONE (B-2) FROM FORT HURON, MICH CC (1F
 1114002); TO ANN ARBOR, MICH CC; TO CHEKYGAN, WISC CC; TO
 BERTON AUX FLD, MICH (CB4403); TO GLADSTON, MICH CC; TO
 FOND, WISC CC (BA5306); TO MILWAUKEE, WISC WIC; TO CHASE
 INTNL APT, ILL; TO ROCKFORD, ILL CC; TO SPRING, WISC CC
 (005203); TO MINNQUA, WISC CC (AA1352); TO WHITE PINE, MICH
 CC (AF2645); TO BIG BAY, MICH CC (CB1749); TO PRINCETON, MICH
 CC (CB3217); TO WHITE FISH POINT, MICH CC (FA0050); TO
 CHEKYGAN, WISC CC; TO LANSING, MICH WIC; TO FORT HURON, MICH (AF).

UNCLASSIFIED - 2 - 7

0814

CCFY

CCFY

U. SKYTRAIN XII BAKER: ONE 8-25 FR PULASKI, VA RNY (1F111300Z);
TO HICKORY, NC VAR; TO CORBIN KY, VAR; TO ROWLING GREEN, IN RNY;
TO PADUCAH, KY RBN; TO MEMPHIS, TENN RNY; TO JACKSON, TENN RNY;
TO CHATTANOOGA, TENN RNY; TO ROME, GA RNY; TO COLUMBUS, GA RNY;
TO MARTINNA, FLA INTERSECTION (RED 30); TO TALLAHASSEE, FLA RNY;
TO ABANY, GA RNY; TO ROBBINS, GA RBN; TO ANDERSON, SC RBN; TO
CHARLOTTE, NC RNY; TO HIGH POINT, NC CC; TO DANVILLE, VA RBN
(DF). C. SKYTRAIN XII CHARLE: ONE 8-25 FR GRIFFISS AFB, NY
(1F111300Z); TO CHICPEE, MASS RNY; TO CHARLESTOWN, RI RBN; TO
STEWART AFB, NY RBN; TO NAVY LAKEHURST, NJ RNY; TO ATLANTIC
CITY, NJ RNY; TO DOVER, DEL RNY; TO WILKES BARRE, PA RNY; TO
FRONT ROYAL, VA RNY; TO BALTIMORE, MD RNY; TO CHARLOTTESVILLE,
VA CC; TO NORFOLK, VA RNY; TO FAYNESVILLE, W VA RBN; TO
CHARLESTON, W VA RNY; TO JOHNSTOWN, PA RNY; TO GRADFORD, PA
RBN; TO BINGHAMTON, NY CC(DF). D. SKYTRAIN XII BOG: ONE 8-25
FR GRIFFISS AFB, NY (1F111300Z); TO OTTAWA, CANADA RNY; TO
PROVIDENCE, RI RNY; TO NEWPORT, VT CC; TO AUGUSTA, ME RNY;
TO CALAIS.

UNCLASSIFIED

0815

COPY

COPY

ME, CC (HA4311); TO PRESQUE ISLE, ME RNB; TO GREENVILLE, ME CC (FA23247); TO ELMIRA, NY RNB; TO DUNKIRK, NY RNB; TO UTICA, NY RNB (DP). 2. IN THE EVENT THAT COMDR 4713TH RAD EVAL (EON) FLT FINDS IT NEED TO UTILIZE B-25 ACFT IN LIEU OF B-2J ACFT TO FLY ASN RTE DOG, CHANGE PARA 11F TO READ "SKYTRAIN XII DOG: ELEMENT OF 2 B-25'S FR GRIFFISS AFB, NY (1P111300Z) TO OTTAWA, CAN RNB; TO PROVINKI RNB; TO NEWPORT, VT CC (004356); TO AUGUSTA, ME RNB; TO BANGOR, ME CC (DP). LAND AND REFUEL AT DOW AFB, ME." INSERT PARA 1E AS FOLLS: "1E. SKYTRAIN XII EASY: ELEMENT OF 2 B-25S FR DOW AFB, ME (1P 111330Z); TO CALAIS, ME CC (HA4311) TO GREENVILLE, ME CC (FA2327); TO ELMIRA, NY RNB; TO DUNKIRK, NY RNB; TO UTICA, NY RNB (DP). 3. TAKE-OFF W/B SKEW TO INSURE IF TIMES ARE MADE GOOD. RIES TO 1F AND FR DP W/B AT FLT'S DISCRETION EXCEPT THAT FINAL APPROACH TO 1F W/B ON REALISTIC PENETRATION HEADING WHERE PRACTICABLE. 4. WFR FLT W/B MAINTD WHERE POSSIBLE THROUGHOUTS. PORTIONS REQUIRING 1FR FLY W/B FLOWN AS RND BY ARTCD BUT WILL CONFORM AS CLOSELY AS POSSIBLE TO PLANNED

UNCLASSIFIED 4 7

0816

COPY

COPY

ROUTES. 5. ACFT WILL ABORT FOR MEA IF ENTIRE RTE IS BELOW VFR
MINS. 6. ALT 1/3 BELOW 5000 FT ABOVE TERRAIN WHERE POSSIBLE. 7.
DELAY POSIT REPTS FOR THOSE PORTIONS OF RTE WHERE RAD CONTACT
WITH ADDCS IS NOT POSSIBLE W/B TRANS TO THE FIRST ADDC WITH
WHICH RAD CONTACT IS LATER ESTBD. FLT WILL REQ ADDC TO EFF
EXPEDITIOUS RELAY OF THESE DELAYED REPTS TO APPROF FIL GENL.
ANNEX A EXERCISE SKYTRAIN XII, EADF OPRCD 4-56 PD UNQUOTE
PART TWO PD EACDF-15 3650 DTD 1 MAR 56 QUOTE FYI AND NEG
ACT CLN QUOTE (UNCL) EXERCISE SKYTRAIN XII. THIS IS ANNEX B
TO EADF OPRCD 4-56. 1. COMDR 551ST AEW&C MG HAS AGREED TO
FURN ONE RC-121D TO FLY THE FOLG RTE: SKYTRAIN XII FOX: FR
OTIS AFB, MASS; TO HARTFORD, CONN RING; TO BURLINGTON, VT RING;
TO UPLA, NY RING; TO ROCHESTER, NY RING; TO BUFFALO, NY RING;
TO PITTSBURGH, PA RING; TO MAINFIELD, OHIO VOR; TO FORT WAYNE,
IND VOR; TO LANSING, MICH RING; TO CHICAGO HTS VOR; TO WRIGHT,
PATTERSON AFB, OHIO RING; TO COLUMBUS, OHIO VOR; TO CHARLESTON,
W VA VOR; TO PITTSBURGH, PA VOR; TO WASHINGTON, DC TO DOVER,
DEL RING; TO

UNCLASSIFIED

0817

CCPY

CCPY

ALLENSTOWN, PA VOR; TO ALBANY, NY RNO; TO OTIS AFB, MASS (DP).
2. ACFT WILL DEP OTIS AFB APRX 111300Z MAR. 3. ENTIRE RTE
SHOULD BE FLOWN VFR BELOW 5000 FT ABOVE TERRAIN. WHERE VFR
FLT IS NOT FEASIBLE, IFR W/B FLOWN AS REQ'D BY ARTD'S BUT
SHOULD FOL PLANNED RTE AS CLOSELY AS POSS. 4. ACFT WILL ADORT
FOR VEA'S IF ENTIRE RTE IS BELOW VFR MINS. 5. FLT WILL ADVISE
APPROP ADD ASAP ON ANY CHANGE IN PLANNED RTE WHILE ADR. 6.
REQ COMDR 551ST AEW&C W/B NOTIFY HQ EADF CCG AS EXPEDITIOUSLY
AS POSS OF ANY CHANGES IN RTE PRIOR TO TAKE-OFF OR INABILITY
TO PARTICIPATE AS SCHEDD. 7. ACCURATE POST REPTS W/B PASSED
TO APPROP ADD'S EVERY 10 MINS ON 351.0 MGS PRIMARY, 364.2
MGS SECONDARY. USE OF 364.2 MGS W/B HELD TO MIN. 8. POST
REPTS FOR THAT PORTION OF THE RTE WHERE RAD CONTACT IS NOT
POSSIBLE W/B TRANSMITTED TO THE FIRST ADD WITH WHICH RAD
CONTACT IS LATER ESTD. FLT WILL REQ ADD TO OFF EXPEDITIOUS
RELAY OF THESE DELAYED REPTS TO APPROP FIL CENS. THIS PRO IS
NEC TO AID OFFL CDR ASSES AND EVAL GOC CAPABILITY WHILE MON
TO AID OFFL CDR ASSES AND EVAL GOC CAPABILITY WHILE MON IS IN
PROGRESS. 9. COMDR 551ST

UNCLASSIFIED

0818

CCPY

CCPY

AEM&C WG HAS RE'D THAT A MAX AMT OF FIRS BE MADE AVAIL FOR AIRBORNE CON DUR THIS FLT. AIR DIV (DEF) COMORS WILL PROVIDE, WHERE POSSIBLE, FIR AULT FOR AIRBORNE DIR VECTORING AND TRICP PRACTICE. REQS FOR THESE FIRS W/B MADE BY AIRBORNE DIRS TO ATRCP ADBU'S ENROUTE. ANNEX B, EADF CFORD 4-56 EXERCISE SKYTRAIN XII. UNQUOTE PART THREE PD REF EADOT-75 3645 DTD 1 MAR 56 ANNEX C TO EADF CFORD 4-56 WILL NOT BE PUBLISHED PD ALL INFORMED

DECLASSIFIED

THE H. HELTON, LTJG, USAF / Y. S. WAZMUTTI, CWO, USAF

02/2015Z MAR 56 0707 111 000/142

0819

COPY

COPY

5/1900Z

HQ 32D AD(D) SYR AFS SYR NY

PRIORITY

UNCLASSIFIED

COMDR 14TH FG, ETHAN ALLEN AFB, WINOOSKI, VT X X
 COMDR 23RD FG, PQ1 AFB, ME
 COMDR 766 ACWRON, CASWELL AFS, LIMESTONE, ME X
 COMDR 765 ACWRON, CHARLESTON AFS, ME
 COMDR 764 ACWRON, ST ALBANS AFS, VT
 COMDR 655 ACWRON, WATERTOWN AFS, NY
 COMDR 654 ACWRON, BRUNSWICK NAS, ME
 COMDR 27 FIS, GRIFFISS AFB, ROME, NY
 COMDR 37 FIS, ETHAN ALLEN AFB, WINOOSKI, VT
 COMDR 76 FIS, PQ1 AFB, ME
 COMDR 75 FIS, PQ1 AFB, ME
 COMDR 465 FIS, GRIFFISS AFB, ROME, NY
 COMDR 138 FIS, HANCOCK FIELD, SYRACUSE, NY (MAIL)
 COMDR 134 FIS, BURLINGTON MUNI APT, VT
 COMDR 132 FIS, DOW AFB, BANGOR, ME

/UNCLASSIFIED/ACFOOT-A 03020 PD THIS MSG IN 4 PARTS PD
 EXERCISE SKYTRAIN XII PD THE FOLG INST SUPPLEMENT EADF OFORD 4-56
 PD PART ONE PD INTOPS W/B ATTEMPTED UTILIZING GOC TRACK INFO ONLY
 PD IF DESIRED COM SIGNAL MAY BE TURNED OFF ON CON SCOPES UTILIZED
 BY ATK DIR PROVIDING INTOP IS MONITORED BY ANOTHER DIR WITH A
 COMPLETELY OPNL SCOPE PD PART TWO PD ANG ACFT ON ACT AIR DEF ALERT
 W/B SCRAMBLED TO INTOP ESTBD TRACKS PD ACWRONS WILL LOCALLY
 DETERMINED AVAL OF ANG ACFT WHICH DESIRE TO PARTICIPATE IN INTOP
 TNG PD PART THREE PD THE FIS STANDING ALERT AT PQ1 AND GRIFFISS
 WILL MAKE 2 BACK-UP ACFT AVAL FOR PARTICIPATION IN SKYTRAIN XII

UNCLASSIFIED 1 2

62/11

0820

COPY

COPY

AND WILL ATTEMPT AN AI INTCP PD IN THE EVENT THAT THE 134 FIS
(ANG) AT BURLINGTON DOES NOT PARTICIPATE IN SKYTRAIN XII CMM THE
27 FIS DETCHMT AT BURLINGTON WILL MAKE 2 BACK-UP ACFT AVAIL FOR
CON BY AEW&C ACFT PD SCRAMBLES W/B INITIATED BY ASSOC ADDC'S
PD PART FOUR PD ACMRONS WILL INSURE THAT BACK-UP ARE NOT MOVED
TO AN ADVANCE STATE OF READINESS UNLESS IT CAN BE REASONABLY
DETERMINED THAT THESE ACFT W/B USED FOR PRACTICE INTOPS AGAINST
SKYTRAIN ACFT PD THIS DETERMINATION CAN BE MADE FROM EW FROM THE
ADCC OR WING TELLING FROM ADJACENT ADDC'S PD THE ADCC CONTROLLER
W/B CONTACTED FOR ADVICE IN DECIDING WHETHER ACFT SHOULD BE AD-
VANCED TO A STATE OF READINESS PD EXERCISE SKYTRAIN XII PD ALL
INFORMED

UNCLASSIFIED 2 2

W. M. SHELTON, LT COL, USAF

W. W. INGENHUTT, COL, USAF

05/1550Z MAR 56 D/COF 111

ODD/142

0821

COPY

COPY

9/1500Z

UNCLASSIFIED

HQ 32D AD(D) SYR AFS SYR NY	ROUTINE	
COMDR 654TH ACWRON, BRUNSWICK NAS, ME	X	X
COMDR 655TH ACWRON, WATER TOWN AFS, NY		
COMDR 764TH ACWRON, ST ALBANS AFS, VT		X
COMDR 765TH ACWRON, CHARLESTON AFS, ME		
COMDR 766TH ACWRON, CASWELL AFS, LIMESTONE, ME		

/UNCLASSIFIED/ACFOOT-A_03050 PD REF EXERCISE SKYTRAIN XII PD
 REQ THIS HQ BE FURN OVERLAY FOR MSN ACFT PD OVERLAYS SHOULD REFLECT
 PLACE OF INTCP AND SQDN ACFT MAKING INTCP PD OVERLAYS TO BE F'DD
 WITHIN TWO WORKING DAYS AFTER COMPLETION OF EXERCISE PD

UNCLASSIFIED 1 1

WM. W. SHELTON, LTJCOL, USAF

W. W. INGENHUTT, COL, USAF

09/1330Z MAR 56 D/COF 111

CDG/142

62/11

0822

C O P Y

C O P Y

25/2135Z

HQ 32D AD(D) SYR AFS SYR NY

UNCLASSIFIED

ROUTINE

COMDR, 654 ACWRON, BRUNSWICK NAS, ME
 COMDR, 764 ACWRON, ST ALBANS AFS, VT X
 COMDR, 655 ACWRON, WATERTOWN AFS, NY
 COMDR, 765 ACWRON, CHARLESTON AFS, ME
 COMDR, 766 ACWRON, CASWELL AFS, ME
 COMDR, 27 FIS, GRIFFISS AFB, ROME, NY EACOT-15 16073 UNCLASSIFIED
 COMDR, 37 FIS, ETHAN ALLEN AFB, WINOOSKI, VT
 COMDR, 75 FIS, PQ1 AFB, PQ1, ME
 COMDR, 76 FIS, PQ1 AFB, PQ1, ME
 COMDR, 465 FIS, GRIFFISS AFB, ROME, NY

INFO: COMDR, 14 FTR GP, ETHAN ALLEN AFB, WINOOSKI, VT
 COMDR, 23 FTR GP, PRESQUE ISLE AFB, PQ1, ME

/UNCLASSIFIED/ACFOOT-A 04137 PD FOLG EADF MSG QUOTED FYI

AND NEC ACT: "UNCL EACOT-15 16073. EXERCISE SKYTRAIN XI11A.
 THIS IS ANNEX A TO EADF OFORD 7-56. 1 FOLG ROUTES W/B FLOWN
 BY 4713TH RADAR EVAL (ECM) FLT: A. SKYTRAIN XI11AONE: ONE B-29
 FR OTTAWA, CAN RNG (IP 071300Z); TO BURLINGTON, VT RNG; TO
 PORTLAND, ME RNG; TO GREENVILLE, ME CC (FA 2523); TO PQ1, ME
 RNG; TO MT CARLTON, CAN (JC 0824); TO NOTRE DAME DU LAC, CAN
 (GC 1337); TO MACHIAS, ME CC (HQ 3243); TO BAR HARBOR, ME CC
 (GQB 4623); TO MONTFELIER, VT RNG; TO MONTREAL CAN RNG; TO
 ELMIRA, NY RNG; TO GLOUCESTER, MASS CC (EN2037); TO BATH, ME
 CC (FF 0354); TO GRIFFISS AFB, NY (DF).

62/12

UNCLASSIFIED

0823

COPY

COPY

B. SKYTRAIN X111A TWO: ONE B-29 FR SYRACUSE, NY RNG (IP 071300Z);
TO NAVY QUONSET, RI RNG; TO BOSTON, MASS RNG; TO CONCORD, NH
RNG; TO PORTLAND, ME RNG; TO NORWICH, CONN CC; TO DANBURY, CONN
CC; TO NEWARK, NJ RNG; TO HARRISBURG, PA RNG; TO NAVY LAKEHURST,
NJ RNG; TO STEWART AFB, NY RBN; TO ALBANY, NY RNG; TO BURLINGTON,
VT RNG; TO CHICOPEE, MASS RNG; TO HARTFORD, CONN RNG; TO NAVY
WILLOW GROVE, PA RNG; TO HARRISBURG, PA RNG; TO BINGHAMTON, NY
RBN TO GRIFFISS AFB, NY (DP). C. SKYTRAIN X111A THREE: ONE B-29
FR GRIFFISS AFB, NY (IP 071300Z); TO MEDINA, NY CC; TO DUNKIRK,
NY RBN; TO CLEVELAND, OHIO RNG; TO TOLEDO, OHIO RNG; TO ANN
ARBOR, MICH CC; TO PORT HURON, MICH CC; TO BAD AXE, MICH CC
(HP 0047); TO BRIGNTON, MICH CC (GN 1430); TO CHEBOYGAN, MICH
CC, TO LANSING, MICH RNG; TO SO BEND IND RNG; TO FT WAYNE, IND
RNG; TO NAPOLEON OHIO; CC; TO NEW LONDON, OHIO CC (HM 3506);
TO ZENSVILLE, OHIO RNB; TO WHEELING W VA RBN; TO MEADVILLE, PA
CC; TO CUMBERLAND, MD CC; TO MT UNION, PA CC (NL 0722); TO
JAMESTOWN, NY CC; TO GRIFFISS AFB, NY (DP). D. SKYTRAIN X111A

UNCLASSIFIED 2 4

0824

C O P Y

C O P Y

FOUR: ONE B-29 FR MALONE, NY CC (1P)71300Z); TO RUMFORD, ME CC (EQ 2632); TO WILKES BARRE, PA RNG; TO ELKINS, W VA RNG; TO YOUNGSTOWN, OHIO RNG; TO FT WAYNE, IND RNG; TO TRAVERSE CITY MICH RNG; TO LANSING, MICH RNG; TO ARCHBOLD, OHIO RNG; TO SANDUSKY, OHIO CC; TO MEADVILLE, PA CC; TO GRIFFISS AFB, NY (DP). 2. IN THE EVENT THAT COMDR 4713 RAD EVAL (ECM) FLT FINDS IT NEC TO UTILIZE B-25 ACFT IN LIEU OF B-29 ACFT TO FLY MSN ROUTE FOUR, CHANGE PARA 1D TO READ " SKYTRAIN XIII A FOUR: ELEMENT OF TWO B-25S FR MALONE, NY CC (1P)71300Z) TO WILKES BARRE, PA RNG; TO ELKINS, W VA RNG; TO YOUNGSTOWN, OHIO CC (DP). LAND AND REF AT YOUNGSTOWN, OHIO". INSERT PARA 1E AS FOLLS: "1E. SKYTRAIN XIII A FIVE: ELEMENT OF TWO B-25S FR YOUNGSTOWN, OHIO (1P 071830Z); TO FT WYNE, IND RNG; TO ARCHBOLD, OHIO RBN; TO SANDUSKY, OHIO CC; TO MEADVILLE, PA CC; TO GRIFFISS AFB, NY (DP). 3. T/O W/B SKEDD TO INSURE 1P TIMES ARE MADE GOOD. ROUTES TO 1P ANDFR DR W/B AT PLTS DISCRETION EXCEPT THAT FINAL APPROACH TO 1P W/B ON REALISTIC PENETRATION HEADING WHERE PRACTICABLE. 4. VFR FLT W/B MAINTAINED WHERE

UNCLASSIFIED 3 4

0825

COPY

COPY

4. VFR FLT W/B MAINTAINED WHERE POSSIBLE THROUGHOUT ROUTES. PORTIONS BORG IFR W/B FLOWN AS RQRD BY ARTCC BUT WILL CONFORM AS CLOSELY AS POSSIBLE IN PLANNED ROUTES. 5. ACFT WILL ABORT FOR VEA IF ENTIRE RTE IS BELOW VFR MINS. 6. ALT W/B BELOW 5000 FT ABOVE TERRAIN WHERE POSSIBLE. 7. DELAY POSIT REPTS FOR THOSE PORTIONS OF ROUTES WHERE RAD CONTACT WITH ADDC'S IS NOT POSSIBLE W/B TRANSMITTED TO THE FIRST ADDC WITH WHICH RAD CONTACT IS LATER ESTBD. PLT WILL REQ ADDC TO EFF EXPEDITIOUS RELAY OF THESE DELAYED POSIT REPTS TO APPROP FIL CNES. ANNEX A EXERCISE SKMTRAIN X111A, EADF OPRD 7-56." ALL INFORMED

UNCLASSIFIED 4 4

WM. M. SHELTON, LTJCOL, USAF W. W. INGENHUTT, COL, USAF

25/140Z APR 56 D;OUT 111 CDD/140

0826

COPY

COPY

30/2005Z

UNCLASSIFIED

HQ 32D AD(D) SYR AFS SYR NY

ROUTINE

COMDR 101 FIW, DOW AFB, BANGOR ME
COMDR 132 FIS, DOW AFB, BANGOR ME
COMDR 134 FIS, BURLINGTON MUNI APT, VT
COMDR 138 FIS, HANCOCK FIELD, SYRACUSE, NY
(VIA MAIL)

EACOT-TS 16078 UNCLASSIFIED

/UNCLASSIFIED/ACFOOT-A 04162 PD FOLG EADF MSG (QUOTED FYI) AND
REQ ACT: "UNCL EACOT-TS 16078. EXERCISE SKYTRAIN XIIIA. THIS
IS ANNEX A TO EADF OPORD 7-56. 1. FOLG ROUTES W/B FLOWN BY
4713TH RADAR EVAL (ELM) FLT: A. SKYTRAIN XIIIA ONE: ONE B-2J
FR OTTAWA, CAN RNG (LP 071300Z); TO BURLINGTON, VT RNG; TO
PORTLAND, ME RNG; TO GREENVILLE, ME CC (FA 2529); TO PQT, ME
RNG; TO MT CARLTON, CAN (JC 0824); TO NOTRE DAME DU LAZ, CAN
(GQ 1337); TO MAJIAS, ME CC (HQ 3243); TO BAR HARBOR, ME CC
(GQ 4623); TO MONTPELIER, VT RNG; TO MONTREAL CAN RNG; TO
ELMIRA, NY RNG; TO GLOUCESTER, MASS CC (EN 2037); TO BATH;
ME CC (FP 0354); TO GRIFFISS AFB, NY (DP). B. SKYTRAIN XIIIA

UNCLASSIFIED 1 4

62/13

0827

COPY

COPY

TRC: ONE B-2) FR SYRACUSE NY RNG (IP 071300Z); TO NAVY QUONSET,
RI RNG; TO BOSTON, MASS RNG; TO CONCORD, NH RNG; TO PORTLAND,
ME RNG; TO NORWICH, CONN CO; TO DANBURY, CONN; TO NEWARK
NJ RNG; TO HARRISBURG, PA RNG; TO NAVY LAKEHURST, NJ RNG;
TO STEWART AFB, NY RBN; TO ALBANY, NY RNG; TO BURLINGTON, VT
RNG; TO CHILOPEE MASS RNG; TO HARTFORD, CONN RNG; TO NAVY
WILLOW GROVE, PA RNG; TO HARRISBURG, PA RNG; TO BINGHAMTON,
NY RBN TO GRIFFISS AFB, NY (DP). C. SKYTRAIN XIII A THREE:
ONE B-2) FR GRIFFISS AFB, NY (IP 071300Z); TO MEDINA, NY
CO; TO DUNKIRK, NYY RBN; TO CLEVELAND, OHIO RNG; TO TOLEDO,
OHIO RNG; TO ANN ARBOR, MICH CO; TO PORT HURON, MICH CO;
TO BAD AXE, MICH CO (HP 0047); TO BRIGHTON, MICH CO (GN 1430);
TO CHEBOYGAN, MICH CO; TO LANSING, MICH RNG; TO SO BEND IND
RNG; TO FT WAYNE, IND RNG TO NAPOLEON OHIO, CO; TO NEW LONDON,
OHIO CO (HM 3506); TO ZANESVILLE, OHIO RBN; TO WHEELING W VA
RBN; TO MEADVILLE, PA CO; TO CUMBERLAND, MD CO; TO MT UNION,
PA CO (NL 0722); TO JAMESTOWN, NY CO; TO GRIFFISS AFB, NY (DP).

UNCLASSIFIED 2 4

0828

COPY

COPY

D. SKYTRAIN XIII A FOUR: ONE B-2) FR MALCONE, NY CC (1P071300Z);
TO RUMFORD, ME CC (E) 2632); TO WILKES BARRE, PA RNG; TO
ELKINS, W VA RNG; TO YOUNGSTOWN, OHIO RNG; TO FT WAYNE, IND
RNG; TO TRAVERSE CITY, MICH RNG; TO LANSING, MICH RNG; TO
ARCHBOLD, OHIO RNG; TO SANDUSKY, OHIO CC; TO MEADVILLE, PA
CC; TO GRIFFISS AFB, NY (DP). 2. IN THE EVENT THAT COMDR
4713 RAD EVAL (EOM) FLT FINDS IT NEC TO UTILIZE B-25 ACFT IN
LIEU OF B-2) ACFT TO FLY MON ROUTE FOUR, CHANGE PARA LD TO
READ "SKYTRAIN XIII A FOUR: ELEMENT OF TWO B-25S FR MALCONE,
NY CC (1P 071300Z) TO WILKES BARRE, PA RNG; TO ELKINS, W VA
RNG; TO YOUNGSTOWN, OHIO CC (DP). LAND AND REF AT YOUNGSTOWN,
OHIO". INSERT PARA 1E AS FOLLS: "1E. SKYTRAIN XIII A FIVE:
ELEMENT OF TWO B-25S FR YOUNGSTOWN, OHIO (1P 071330Z); TO
FT WAYNE, IND RNG; TO ARCHBOLD, OHIO RNG; TO SANDUSKY, OHIO
CC; TO MEADVILLE, PA CC; TO GRIFFISS AFB, NY (DP). 3. TO
W/B SKED TO INSURE IF TIMES ARE MADE GOOD, RTS TO IF AND
FR DP W/B AT PLS DISCRETION EXEPT THAT FINAL APPROACH
TO IF W/B ON REALISTIC PENETRATION HEADING THERE PRACTICABLE.

UNCLASSIFIED

0829

COPY

COPY

4. VFR FLT W/B MAINTAINED WHERE POSSIBLE THROUGHOUT ROUTES.
PORTIONS REGR IFR W/B FLOWN AS RJRD BY ARTOC BUT WILL CONFORM
AS CLOSELY AS POSSIBLE IN PLANNED ROUTES. 5. AFT WILL ABORT
FOR WEA IF ENTIRE RTE IS BELOW VFR MINS. 6. ALT W/B BELOW
5000 FT ABOVE TERRAIN WHERE POSSIBLE. 7. DELAY POSIT REPTS
FOR THOSE PORTIONS OF ROUTES WHERE RAD CONTACT WITH ADDC'S
IS NOT POSSIBLE W/B TRANSMITTED TO THE FIRST ADDC WITH
WHICH RAD CONTACT IS LATER ESTBD. FLT WILL REQ ADDC TO EFF
EXPEDITIOUS RELAY OF THESE DELAYED POSIT REPTS TO APPROP
FIL GENS. ANNEX A EXERCISE SKYTRAIN XIIIA, EADF OPORD 7-56".
ALL INFORMED

DECLASSIFIED 4 4
WM. M. GELLEN, LTJG, USAF W. W. IMENIUTT, COL, USAF
30/185z 44 56 1207 111 06/142

0830

COPY

COPY

30/2100Z

UNCLASSIFIED

FM 32 D ADD) SYR AFS NY

ROUTINE

COMDR 14 FG, ETHAN ALLEN AFB, WINDSOCKI, VT X
 COMDR 23 FG, PQT AFB, PQT, ME
 COMDR 654 ACWRON, BRUNSWICK NAS, ME
 COMDR 655 ACWRON, WATERTOWN AFS, NY
 COMDR 764 ACWRON, ST ALBASNS AFS, VT
 COMDR 765 ACWRON, CHARLESTON AFS, ME
 COMDR 766 ACWRON, CASWELL AFS, LIMESTONE, ME
 COMDR 27 FIS, GRIFFISS AFB, ROME? NY
 COMDR 37 FIS, ETHAN ALLEN AFB, WINDSOCKI, VT
 COMDR 75 FIS, PQT AFB, PQT, ME
 COMDR 76 FIS, PQT AFB? PQT, ME
 COMDR 465 FIS, GRIFFISS AFB, ROME, NY
 COMDR 133 FIS, HANCOCK FIELD, SYRACUSE, NY (VIA MAIL OR CARRIER)
 COMDR 134 FIS, BURLINGTON? VT
 COMDR 132 FIS, LOW AFB, BANGOR, ME

/UNCLASSIFIED/AUFOOT-A 04163 PD THIS MSG IN 4 PARTS PD
 SUBJ SKYTRAIN X111A. THE FOLG INSTS SUP EACH OF ORD 7-56.
 PART 1. INTOPS W/B ATTEMPTED UTILIZING GOC TRACK INFO ONLY.
 IF DESIRED SIGNAL MAY BE TURNED OFF ON CONTROL SCOPE UTILIZ-
 ING BY A TACK DIR (PROVIDING INTOPS IS MONITORED BY ANOTHER
 DIR WITH A COMPLETELY OPEN SCOPE. PART 2. AND AFT CONTACT
 AIR DEF ALERT WILL BE SUBMITTED TO INTOP ESTED TRACKS. AIRBROW
 WILL LOCALLY DETERMINE AVAIL OF AND AFT WHICH DESIRE TO
 PARTICIPATE IN INTOP ING. PART 3. THE FIS STANDING ALERT
 AT PQT AND GRIFFISS AFB WILL MAKE THE BACKUP AFT AVAIL FOR
 PARTICIPATION IN SKYTRAIN X111A AND WILL ATTEMPT 4N AT INTOP.

G2/14

0831

COPY

COPY

AN AT INTOP. IN THE EVENT THAT THE 134TH FIS (ANG) AT BTM DOES NOT PARTICIPATE IN SKYTRAIN XIII A, THE 37TH FIS WILL MAKE TWO BACK-UP ACFT AVAIL. SCRAMBLES WILL BE INITIATED BY ASSOC ADDO'S PART 4. AWRONGS WILL INSURE THAT BACK-UP ACFT ARE NOT MOVED TO AN ADVANCE STATE OF READINESS UNLESS IT CAN BE REASONABLE DETERMINED THAT THESE ACFT W/B USED FOR PRACTICE INTOPS AGAINST SKYTRAIN ACFT. THIS DETERMINATION CAN BE MADE FROM EW FROM THE ADDO OR WING TELLING FROM ADJACENT ADDO'S. THE ADDO CONTROLLER W/B CONTACTED FOR ADVICE IN ADVISE DECIDING WHETHER ACFT SHOULD BE ADVANCE TO A STATE OF READINESS. EXERCISE SKYTRAIN XIII A. ALL INFORMED

UNCLASSIFIED

2

W. M. SHELTON, LTJG, USAF W. W. HENNING, COL, USAF

30/1521 44-56 15/001 111 000/142

0832

COPY

COPY

HQ 32D AD(D) SYR AF STA SYR NY UNCLASSIFIED
COMDR, EADF, STEWART AFB, NEWBURGH, NY ROUTINE

X

X

/UNCLASSIFIED/ACFOOT-A 05072. ATTN: EA00T-TS. NARRATIVE
SUMMARY ON EXERCISE SKYTRAIN XIIIA IS SBMD AS RQRD BY PARA 7A,
EADFR 50-10. RADAR TRACKING OF MSN A/C WAS CONSIDERED ABOVE
AVERAGE DUR THE COURSE OF THE MSN. INFO ON ACTUAL POSIT OF MSN
A/C COULD EASILY BE ASCERTAINED BY THE ADDC SURV SECTION. THIS
INFO WAS NOT CARRIED ON THE DIV PLOTTING BOARD BECAUSE OF THE DELAY
BTWN RADAR PLOTS AND GOC PLOTS WHICH WAS NORMALLY 10 MINS. POSIT
REPTS WERE BEING RECD BY ADDC STAS FM MSN A/C PLTS AS DIR BY EADFR
50-10. GOC TRACKING WAS CONSIDERED WELL ABOVE AVERAGE. 800 MILES
OF 1100 MILES FLOWN WAS COVERED BY GOC TRACKS. 6 FTRS WERE SCRAMBLED
RESULTING IN 4 MA'S. WEA WAS CONSIDERED EXCELLENT DUR THE COURSE

UNCLASSIFIED 1 1

62/15

0833

COPY

COPY

OF THE ENTIRE EXERCISE. THERE WERE NO CHANGES IN FLT ROUTES
NOR A/C ABORTS WITHIN THE 32D AIR DIV (DEF) AREA.

UNCLASSIFIED 2 2

WM. M. SHELTON, LTCOL, USAF W. W. INGENHUTT, COL, USAF

11/1445Z MAY 56 D/OOT 111

ODD/142

0834

COPY

HEADQUARTERS
320 AIR DIVISION (DEFENSE)
Syracuse Air Force Station
Syracuse 6, New York

OOE

27 Jul 1955

SUBJECT: (Unclassified) Submission of Operational Plans

TO: Commander
4707th Air Defense Wing
Otis Air Force Base
Falmouth, Massachusetts

1. Operational Plans have not been received for the following SFPL packages authorized in FC-1-1, dated 30 April 1955:

- a. F-13 Brunswick, Maine
 - 1 ea FC-1A-01A AN/FPS-3 Arctic Primary Search
 - 1 ea FC-1A-01B AN/GPA-27

2. Separate Operational Plans are required for each listed SFPL package except where an FC-1A-01 or FC-1A-01A and an FC-1A-01B are listed for the same station. One plan will suffice for both packages in this instance.

3. For your information in preparing these plans, the AN/GPA-27 is a major modification kit for the AN/FPS-3 radar set and provides the following:

- a. Increased peak power output (2 Megawatts).
- b. Dual channel operation for SAGE use.
- c. SAC PRF for MTI operation.
- d. Remoting of Transmitters and Receivers to a non-rotating station.

4. Lead time required for the engineering and installing agency as outlined in T.O. 31-1-3 makes it necessary to expedite the submission of all Operation Plans on programmed facilities.

1507-55

GA/1

0835

COPY

CONFIDENTIAL
OCC Subject: (U) Submission of Operational Plans

5. Desire Operation Plans on the above listed SFEL packages
be submitted to arrive this headquarters not later than 5 August 1955.

6. Contents of this correspondence are classified CONFIDENTIAL
in accordance with paragraph 24a, AFR 205-1.

BY ORDER OF THE COMMANDER:

s/ Robert W. Reinhold
t/ ROBERT W. REINHOLD
2NDLT, USAF
Assistant Adjutant

2

1507-55

CONFIDENTIAL

0836

C O P Y

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
Syracuse Air Force Station
Syracuse 6, New York

OCE

27 Jul 1955

SUBJECT: (Unclassified) Submission of Operational Plans

TO: Commander
4711th Air Defense Wing
Presque Isle Air Force Base
Presque Isle, Maine

1. Operational Plans have not been received for the following
SPEI packages authorized in PC-1-1, dated 30 April 1955:

- a. P-49 Watertown, New York
1 ea FC-1A-61B AM/GPA-27
- b. P-65 Charleston, Maine
1 ea FC-1A-91B AM/GPA-27
- c. P-80 Caswell, Maine
1 ea FC-1B-03 AM/TPS-7 Primary Search

2. For your information in preparing these plans the AM/GPA-27
is a major modification kit for the AM/FBS-3 radar set and provides
the following:

- a. Increased peak power output (2 Megawatts).
- b. Dual channel operation for SAGE use.
- c. 360 PRF for NTI operation.
- d. Remoting of Transmitters and Receivers to a non-rotating
station.

1506-55

G4/2

0837

COPY

01. Subject: (U) Submission of Operational Plans

4. Lead time required for the engineering and installing agency as outlined in T.O. 31-1-8 makes it necessary to expedite the submission of all Operation Plans on programmed facilities.

5. Desire Operational Plans on the above listed SFEL packages be submitted to arrive this headquarters not later than 5 August 1955.

6. Contents of this correspondence are classified CONFIDENTIAL in accordance with paragraph 24a, AFR 205-1.

BY ORDER OF THE COMMANDER:

S/ Robert W. Reinhold
t/ ROBERT W. REINHOLD
2NDLT, USAF
Assistant Adjutant

1506-55

0838

COPY

CONFIDENTIAL

COPY

HQ 320 AD(D) SYR AF STA SYRACUSE NY 25/2030Z JUN 56
CONFIDENTIAL

	ROUTINE	DEFERRED
COMDR 655TH AWRCH WATERTOWN AFS, NY		
COMDR 765TH AWRCH CHARLESTON AFS, ME.	X	
	X	X

COMDR 14TH FTR. GP. ETHAN ALLEN AFB WINDSOR, VT.
COMDR 23D FTRGP. FRESQUE ISLE AFB, ME.

/CONFIDENTIAL/AFCOE 06154. FOR YOUR INFORMATION
THE INSTALLATION OF GOLF PAPA ALPHA DASH TWO SEVEN
HAS SLIPPED AS NOTED BELOW COLON SEVEN SIX FIVE
ALPHA OGA WHISKEY ROMEO OSCAR NEUTAR THIRD QUARTER
ONE NINE FIVE SEVEN OPERATIONAL BY APRIL ONE NINE
FIVE SEVEN SEMICOLON SIX FIVE FIVE ALPHA OGA WHISKEY
ROMEO OSCAR NEUTAR FIRST QUARTER ONE NINE FIVE EIGHT
OPERATIONAL BY ONE SEPTEMBER ONE NINE FIVE SEVEN
PERIOD

CONFIDENTIAL 1 1
LESLIE G. HEARTZ, COL, USAF WILLIAM W. HIGENBUTT, COL., USAF
AFCOE 070 DEPUTY OF OPERATIONS
25/1300Z

1127-56

CONFIDENTIAL

65

0839

CONFIDENTIAL

32d AIR DIVISION (DEFENSE)
 SYRACUSE AIR FORCE STATION
 SYRACUSE 6, NEW YORK

27 JUL 1955

SUBJECT: TELEPHONE CIRCUIT REQUIREMENTS

TO: COMMANDER
 EASTERN AIR DEFENSE FORCE
 STEWART AIR FORCE BASE
 ATTN: 1400E
 NEWBURGH, NEW YORK

1. INFORMATION CONTAINED IN THIS LETTER RESULTS FROM A DISCUSSION BETWEEN MR. HUBREY NORTHRUP, NEW YORK TELEPHONE COMPANY, AND MEMBERS OF THE DIRECTORATE OF COMMUNICATIONS & ELECTRONICS, THIS HEADQUARTERS, ON 25 JULY 1955. THE DISCUSSION WAS INFORMAL WITH RESULTS BEING FORWARDED FOR INFORMATION AND PLANNING PURPOSES.

2. THE TELEPHONE COMPANY PRESENTLY SERVES THIS STATION VIA TWO CABLE ROUTES WITH EACH CABLE CONTAINING 101 PAIR. GOVERNMENT COST FOR 76 PAIR STANDBY CIRCUITS IS APPROXIMATELY \$773. PER MONTH. THIS IS IN ACCORDANCE WITH EXISTING CONTRACT AND, IT IS BELIEVED, IN LIEU OF A GUARANTEED REVENUE WHICH WOULD OTHERWISE BE MANDATORY.

3. MR. NORTHRUP NOW HAS INFORMATION TO THE EFFECT THAT INITIAL "SAGE" REQUIREMENTS WILL BE FOR 30 PAIR. UNTIL ULTIMATE REQUIREMENTS FOR THE PROJECT ARE KNOWN IT IS DIFFICULT FOR THE TELEPHONE COMPANY TO ENGINEER NEW ROUTES AND PLAN NECESSARY CABLE. AS A RESULT, MR. NORTHRUP IS DESIROUS THAT WE RELINQUISH SUFFICIENT PAIRS THAT "SAGE" MAY BE SERVICED.

4. THIS HEADQUARTERS SEES NO OBJECTION TO THE ABOVE WITH THE PROVISION THAT WE CONTINUE TO KEEP A TOTAL OF 30 SPARES IN THE TWO CABLES. IT IS FEASIBLE THAT EMERGENCY OPERATIONS SUCH AS MAY BE REQUIRED BY "ALERT" MAY REQUIRE ADDITIONAL CIRCUITS AND THAT ROUTINE TACTICAL OPERATIONS MAY INCREASE FROM TIME TO TIME. HOWEVER, WITH ONLY TWO CABLES SERVING THE ENTIRE STATION THE PROBABILITY OF LOSING INDIVIDUAL PAIR RATHER THAN AN ENTIRE CABLE IS SOMEWHAT REMOTE.

65/1

CONFIDENTIAL

0840

COPY

COPY

654TH AIRCRAFT CONTROL AND WARNING SQUADRON
U.S. NAVAL AIR STATION
BRUNSWICK, MAINE

OEC

6 JANUARY 1956

SUBJECT: LAND LINE CIRCUIT NOTIFICATION

THRU: COMMANDER
4707TH AIR DEFENSE WING
OTIS AIR FORCE BASE
MASSACHUSETTS

TO: COMMANDER
32ND AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

1. LACK OF ADVANCE INFORMATION RELATIVE TO THE INSTALLATION OF ADDITIONAL LAND LINE TELEPHONE CIRCUITS HAS IN THE PAST CAUSED CONSIDERABLE DELAY AND CONFUSION. THE RESULTS ARE THAT CIRCUITS ARE OFTEN IMPROPERLY LOCATED IN THE OPERATIONS ROOMS SINCE THE FUNCTION OF THE CIRCUIT IS UNKNOWN. IT IS THEN NECESSARY TO CONTACT PERSONNEL AT HIGHER HEADQUARTERS ONLY TO LEARN IN MANY INSTANCES THAT THE INFORMATION HAS NOT BEEN MADE AVAILABLE TO THEM EITHER.

2. THE MOST RECENT INCIDENT OCCURED DURING THE LAST WEEK. THE LOCAL TELEPHONE COMPANY NOTIFIED THIS SITE THAT TWO PAIR ASSIGNMENTS WERE NEEDED TO CONNECT A CIRCUIT TO VALLEY STREAM, LONG ISLAND, NEW YORK. WE WERE ALSO ADVISED THAT THE TELEPHONE COMPANY WOULD INSTALL A LOUD SPEAKER UNIT WITH TALK-BACK FACILITIES, UTILIZING A FOUR WIRE SYSTEM. THEY WERE UNABLE TO FURNISH A REASON FOR THE FOUR WIRE SYSTEM INSTEAD OF THE NORMAL TWO WIRE SYSTEM. NOR COULD THEY TELL US THE FUNCTION OF THE CIRCUIT SO INSTALLATION IN THE OPERATIONS ROOM COULD BE MADE. AFTER CONSIDERABLE DELAY IT WAS DETERMINED THAT THIS WAS AN AHS CIRCUIT HOWEVER, THE OPERATIONS PERSONNEL STILL HAVE NOT BEEN ADVISED AS TO WHAT INFORMATION WILL BE RECEIVED ON THIS LINE.

3. IT IS REQUESTED THIS SITE BE FURNISHED ADVANCED INFORMATION RELATIVE TO LINE USAGE, AF CODE NUMBER, EXPECTED DATE OF INSTALLATION ON ANY NEW LAND LINE CIRCUITS IN THE FUTURE.

4. AT PRESENT OUR TELEPHONE ENTRANCE FACILITIES ARE COMPLETELY SATURATED. HOWEVER, MR. CHARLES CARTER, OF CAMBRIDGE RESEARCH, IN A TELEPHONE CONVERSATION ASSURED US THE TELEPHONE COMPANY WOULD BE NOTIFIED IMMEDIATELY TO INSTALL AN ADDITIONAL

0842

CCPY

CCPY

654TH AIRCRAFT CONTROL AND WARNING SQUADRON LTR SUBJ: LAND LINE
CIRCUIT NOTIFICATION BTD 6 JANUARY 1956 (CONT'D)

50 PAIR CABLE TO AUGMENT THE PRESENT ENTRANCE FACILITIES AS PER
PREVIOUS AGREEMENT WITH CAMBRIDGE RESEARCH. UNTIL THIS CABLE
PROJECT IS COMPLETED, IT WILL BE IMPOSSIBLE TO RECEIVE ANY
ADDITIONAL LAND LINE CIRCUITS.

FOR THE COMMANDER:

/S/ HAROLD G. PRATT JR.
/T/ HAROLD G. PRATT JR.
2ND LT., USAF
ADJUTANT

0843

CCPY

CCPY

654TH ACMRON CEC SUBJ: LAND LINE CIRCUIT NOTIFICATION

BRUCE (6 JAN 56)

1ST IND

12 JAN 56

HEADQUARTERS, 4707TH AIR DEFENSE WING, OTIS AIR FORCE BASE, MASS.

TO: COMMANDER, 32D AIR DIVISION, SYRACUSE AIR FORCE STATION,
SYRACUSE 6, NEW YORK

1. FORWARDED FOR YOUR INFORMATION AND NECESSARY ACTION.
2. THIS HEADQUARTERS CONCURS WITH THE SUBSTANCE OF PARAGRAPH 3, BASIC LETTER, AND FURTHER RECOMMENDS THAT THIS HEADQUARTERS BE KEPT INFORMED OF ANY ADDITIONS, DELETIONS OR MODIFICATIONS TO EXISTING COMMUNICATIONS SYSTEM THAT MAY ALTER OR AFFECT THE OPERATIONAL CAPABILITY OF A UNIT.

FOR THE COMMANDER:

/s/ FOREST L. LITTLE
/t/ FOREST L. LITTLE
1ST LT. USAF
ADJUTANT

0844

CCPY

CCPY

654TH ADMRON OEG SUBJECT: LANDLINE CIRCUIT NOTIFICATION

OCE (6 JAN 56)

2D IND

23 JAN 1956

HQ 32D AIR DIVISION (DEFENSE), SYRACUSE AIR FORCE STATION,
SYRACUSE 6, NEW YORK

TO: COMMANDER, 4707TH AIR DEFENSE WING, CTIS AIR FORCE BASE,
FALMOUTH, MASS.

1. REFERENCE PARAGRAPH 2, BASIC LETTER. ALL INFORMATION AVAILABLE AT THIS HEADQUARTERS WAS FURNISHED YOUR HEADQUARTERS ON 16 JUNE 1955 BY INDORSEMENT TO EADF LETTER, SUBJECT: INSTALLATION OF VOICE LOOP CIRCUITS FOR IMIS AND MCIS, DATED 11 JUNE 1955.

2. REFERENCE PARAGRAPH 3, BASIC LETTER. ALL ADVANCED INFORMATION AVAILABLE AT THIS HEADQUARTERS WILL BE FORWARDED AS RECEIVED.

BY ORDER OF THE COMMANDER:

/s/ GEORGE F. DORMER
/t/ GEORGE F. DORMER
2ND LT, USAF
ASSISTANT ADJUTANT

0845

COPY

COPY

HEADQUARTERS
EASTERN AIR DEFENSE FORCE
STEWART AIR FORCE BASE, NEWBURGH, N.Y.

EACCE-CW

16 FEB 1956

SUBJECT: ADMINISTRATIVE CIRCUIT REQUIREMENTS AT AC&M STATIONS

TO: COMMANDER
32ND AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

1. REQUEST THIS HEADQUARTERS BE ADVISED ON OR BEFORE 1 MARCH 1956 OF ADDITIONAL ADMINISTRATIVE CIRCUIT REQUIREMENTS AS A RESULT OF SAGE FACILITIES PROGRAMMED AT THE FOLLOWING AC&M SQUADRONS:

- A. 762ND AC&M, NORTH TRURO, MASS.
- B. 654TH AC&M, BRUNSWICK, MAINE.
- C. 764TH AC&M, ST ALBANS, VERMONT.
- D. 763D AC&M, LOCKPORT, NEW YORK.
- E. 646TH AC&M, SARATOGA SPRINGS, NEW YORK.
- F. 765TH AC&M, CHARLESTON, MAINE.
- G. 766TH AC&M, CASWELL, MAINE.

2. IT IS FURTHER REQUESTED THAT A MAPOR CHART BE INCLUDED INDICATING EXISTING AND PROGRAMMED BUILDINGS WHERE NEW ADMINISTRATIVE TELEPHONE SERVICE WILL BE REQUIRED. THIS INFORMATION IS REQUIRED BY MIDDLETOWN AIR MATERIEL AREA FOR INCLUSION IN G-E SCHEMES FOR FY-57 AND FY-58. SAGE CIRCUITS TO BE INSTALLED BY COMMERCIAL TELEPHONE COMPANIES NEED NOT BE INCLUDED.

3. A COPY OF A LETTER RECEIVED FROM HEADQUARTERS, MIDDLETOWN AIR MATERIEL AREA, REQUESTING OPERATIONAL PLANS FOR NEW ADMINISTRATIVE TELEPHONE FACILITIES AT THE LOCATIONS LISTED IN PARAGRAPH 1 ABOVE IS INCLOSED. INFORMATION COPIES OF INCLOSURE #1 WERE FORWARDED TO AC&M'S CONCERNED BY HEADQUARTERS, MIDDLETOWN AIR MATERIEL AREA. THE INFORMATION REQUESTED IN PARAGRAPHS 1 AND 2 ABOVE WILL BE CONSOLIDATED AT THIS HEADQUARTERS AS AN OPERATIONAL PLAN AND FORWARDED TO MIDDLETOWN AIR MATERIEL AREA AS REQUESTED.

BY ORDER OF THE COMMANDER:

1 INCL
B/L FR MAAMA, SUBJ:
OPS PLAN FOR AC&M
SITES, 1 FEB 56

S/T/ BEN D MCCREARY
CAPTAIN, USAF
ASST ADJUTANT

65/3

0846

CCFY

CCFY

HQ EADF EADGE-01 SUBJECT: ADMINISTRATIVE CIRCUIT REQUIREMENTS
AT AC&M STATIONS

OCE (16 Feb 1956)

1ST IND

24 FEB 1956

HQ 32D AIR DIVISION (DEFENSE), SYRACUSE AIR FORCE STATION, SYR 0,
NEW YORK

TO: COMMANDER, EASTERN AIR DEFENSE FORCE, STEWART AIR FORCE BASE,
NEWBURGH, NEW YORK

1. NEW ADMINISTRATIVE TELEPHONE SERVICE FOR EXISTING AND
PROGRAMMED BUILDINGS AT SITES REFERENCED IN BASIC CORRESPONDENCE
IS NOT REQUIRED. BUILDINGS PRESENTLY PROGRAMMED FOR ALL SITES
WILL BE SERVICED WITH SAGE CIRCUITS.

2. SUBMISSION OF THE 57M&C REQUIREMENTS WILL INCLUDE A
TECHNICAL TRAINING BUILDING AT THE 654TH, 764TH AND 766TH AC&M
SQUADRONS. IF THESE BUILDINGS ARE APPROVED, NEW ADMINISTRATIVE
SERVICE WILL BE REQUIRED.

FOR THE COMMANDER:

1 INCL:
N/C

/s/ EVERITT W. HOWE
/t/ EVERITT W. HOWE
MAJOR, USAF
ADJUTANT

0847

COPY

COPY

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

TO:

23 Mar 1956

SUBJECT: OME RADIO CIRCUITS

TO:

COMMANDER
14TH FIGHTER GROUP
ETHAN ALLEN AIR FORCE BASE
WINDSOR, VERMONT

COMMANDER
23D FIGHTER GROUP
PRESQUE ISLE AIR FORCE BASE
PRESQUE ISLE, MAINE

THE ATTACHED COPIES OF EASTERN AIR DEFENSE FORCE LETTER
ARE FORWARDED FOR YOUR INFORMATION AND FURTHER DISSEMINATION TO
AC&M SQUADRONS UNDER YOUR JURISDICTION.

BY ORDER OF THE COMMANDER:

1 INCL: (14TH FTR GP)
EADF LTR EADCE-UM (4 cys)

/s/ GEORGE T. DORNER
/t/ GEORGE T. DORNER
2ND LT, USAF
ASSISTANT ADJUTANT

1 INCL: (23D FTR GP)
EADF LTR EADCE_UM (5 cys)

G5/4

0848

COPY

COPY

HEADQUARTERS
EASTERN AIR DEFENSE FORCE
STEWART AIR FORCE BASE, NEWBURGH, N.Y.

EADE-U

Mar 13, 1956

SUBJECT: SAGE RADIO AND TEXAS TOWER SHORE STATION CIRCUITS

TO: COMMANDER
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

1. THE FOLLOWING INFORMATION CONCERNING SAGE RADIO AND TEXAS TOWER SHORE STATION CIRCUITS IS FORWARDED FOR YOUR INFORMATION AND GUIDANCE:

A. THE GOVERNMENT-OWNED MANUAL SYSTEM CIRCUITS ROUTED FROM TEXAS TOWER SHORE STATIONS DIRECT TO THE OPERATIONS BUILDING DISTRIBUTION FRAME AT RADAR STATION WILL REMAIN INTACT, ON A REDUCED BASIS, AFTER THE SAGE SYSTEM BECOMES OPERATIONAL. THIS WILL ALLOW FOR EMERGENCY MANUAL OPERATION BETWEEN RADAR STATIONS AND TEXAS TOWERS IN THE EVENT OF THE LOSS OF A SAGE DIRECTION CENTER.

B. SAGE CIRCUITS FROM THE TEXAS TOWERS WILL BE ROUTED FROM THE SHORE STATION TO THE TELEPHONE COMPANY BUILDING AND THEN TO THE SAGE DIRECTION CENTER. NONE OF THESE CIRCUITS WILL BE ROUTED TO THE MANUAL OPERATIONS BUILDING DISTRIBUTION FRAME FROM THE TELEPHONE COMPANY BUILDING.

C. THE MANUAL SYSTEM RADIO CIRCUITS NOW ROUTED FROM THE TRANSMITTER AND RECEIVER BUILDINGS TO THE DISTRIBUTION FRAME OF THE OPERATIONS BUILDING WILL ALSO REMAIN INTACT ON THE SAME BASIS AS THOSE LISTED IN PARAGRAPH 1A ABOVE.

D. SAGE RADIO CIRCUITS OF RADAR STATIONS WILL BE MOVED FROM THE TRANSMITTER AND RECEIVER BUILDINGS TO THE TELEPHONE COMPANY BUILDINGS TO THE SAGE DIRECTION CENTERS. THESE TRANSMITTERS AND RECEIVERS WILL BE REMOTELY OPERATED FROM THE SAGE DIRECTION CENTERS.

COPY

0849

COPY

COPY

NO EAGE EAGE-UP SUBJ: SAGE RADIO AND TEXAS TOWER SHORE STATION
CIRCUITS - CONT'D

E. CIRCUITS REQUIRED FROM RADAR STATIONS TO THE SAGE
DIRECTION CENTERS WILL BE ROUTED FROM THE DISTRIBUTION FRAME
OF THE OPERATIONS BUILDINGS TO THE TELEPHONE COMPANY BUILDING.
THESE ARE THE CIRCUITS LISTED ON TABLE I OF THE WESTERN ELECTRIC
COMPANY MANUAL TITLED "AIR DEFENSE SEM-AUTOMATIC GROUND ENVIRON-
MENT SYSTEM, EXTERNAL COMMUNICATIONS DIRECTION CENTER."

F. THE CIRCUITS REFERRED TO IN 1B, D, AND E ABOVE,
ARE LEASED.

2. REQUEST THAT THE ABOVE INFORMATION BE MADE AVAILABLE
TO COMMANDERS OF RADAR STATIONS CONCERNED.

BY ORDER OF THE COMMANDER:

/s/ BEN D. MOORHEAD
/t/ BEN D. MOORHEAD
CAPTAIN, USAF
ASST ADJUTANT

0850

COPY

1333 (D) BYPASS OF SEA BRIDGE BY 6/21/22
UNCLASSIFIED

ORDER 4707B AM 0710 AFJ PAL OUT 1100
ORDER 4711B AM 0710 AFJ PAL OUT 1100

CLASSIFIED

UNCLASSIFIED/NOFORN 010207 FOUNG SAUF 100, 0100-9" 000
IS QUOTED FYI. QUOTE TEXAS ADVISED THAT THEY EMERGENCY REQUEST
FOR SERVICE SUBMITTED UNDER NEW OET 0207 WILL BE PROCESSED UNTIL
FURTHER NOTICE. IT IS ACTION TAKEN TO ACCOMPLISH REMAINING OF
PRESENT OETS, PREPARATORY TO START OF ORDERING OETS FOR SALE
UNQUOTE "INFO DISSEMINATE."

UNCLASSIFIED
LESLIE G. FENTZ, CHIEF, JMW
ALFOA

65/5

COPY

COPY

05/2015Z

HQ 32D AD(D) SYR AF STASR NY

UNCLASSIFIED

PRIORITY

UMDR EADF STEWART AFB NEWBURGH NY

X

X
EAOCE 18922 UNCLASSIFIED

/UNCLASSIFIED/AUFOCE 05100 REF UR MSG EAOCE 18922. DUE TO LACK OF QUALIFIED MIL PERSONNEL, INCREASED COMPLEXITY OF C&E EQP AND GREAT NEED FOR CONTINUITY IN PLANNING AND IMPLEMENTATION OF C&E SYS REQ'D BY SAGE AND OTHER C&E PROGRAMS, IT IS IMPERATIVE FOR THIS DIV TO RETAIN THE SVCS OF A COMM SYS ENGR. THIS HQS NOW OPERATES WITHOUT BENEFIT OF ADM AND UNTIL SUCH TIME AS ALL ALLOCATED OFFICER AND AMN VACANCIES ARE FILLED WITH TRAINED STAFF PERSONNEL THE NEED FOR A C&E SYS ENGR IS OF A MOST URGENT NATURE. THRU THE UTILIZATION OF THIS POSIT AF IS REALIZING AN APPRECIABLE MONETARY SAVING BY HAVE A QUALIFIED ENGR AVAIL DURING RTRD BREAK IN PD OF REPLACEMENTS.

UNCLASSIFIED 1 1

LESLIE G. HEARTZ, COL., USAF
AUFOCE 15/1620Z 070

WILLIAM W. INGENHUTT, COL., USAF
DEPUTY OF OPERATIONS

65/6

0852

C O P Y

C O P Y

29/1920Z

CMDR HQ 32D AD(D) SYR AFSTA SYR NY

UNCLASSIFIED

ROUTINE DEFERRED

X

CMDR 14TH FTR GP ETHAN ALLEN AFB VT
CMDR 23D FTR GP PRESQUE ISLE AFB ME

X

EAOCE-P 20571 UNCLASSIFIED

CMDR 654TH ACWRON BRUNSWICK NAS ME
CMDR 655TH ACWRON WATERTOWN AF STA NY
CMDR 764TH ACWRON ST ALBANS AF STA BT
CMDR 765TH ACWRON CHARLESTON AF STA ME
CMDR 766TH ACWRON CASWELL AF STA ME
CMDR 907TH ACWRON BUCKS HARBOR AF STA MACHIAS MAINE
CMDR 911TH ACWRON NORTH CONCORD AF STA NORTH CONCORD ME (MAIL)

/UNCLASSIFIED/AUFOCE 05162 FOLG MSG FROM EADF IS QUOTED FYI AND
NEC ACT. "EAOCE-P 20571. FOL ADC MSG ADOCE-AR QUOTED FYI. "COORD
IS NOW BEING EFFECTED BTWN THIS HQ AND HQ AMC TO DETERMINE A POLICY
FOR SUBM AND FORMAT OF STANDARD OPLANS FOR SAGE EQP PRESENTLY AUTH
OR TO BE AUTH IN THE PO DOC. REQ ANY ACT INITIATING OPLANS FOR THIS
SAGE EQP BE HIA PNDG COMPL OF THE ABOVE ACTION, UNLESS DELAY IN THE
SUBM OF OPLAN WOULD PREVENT MEETING A PROGRAMMED OPNE DATE."

UNCLASSIFIED 1 1

LESLIE G. HEARTZ, COLONEL, USAF WILLIAM W. INGENHUTT, COL., USAF

AUFOCE

070 DEPUTY OF OPERATIONS

65/7

0853

COPY

COPY

CONFIDENTIAL

HEADQUARTERS
EASTERN AIR DEFENSE FORCE
STEWART AIR FORCE BASE, ALBANY, N.Y.

EAOLE-01

27 DEC 1957

SUBJECT: (CONF) EMERGENCY ACTION TO EXPAND CAPACITY OF AN/SP-63
AT 100 RADAR SITES

TO: COMMANDER
32d AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE O., NEW YORK

1. ATTACHED CORRESPONDENCE FROM HEADQUARTERS, AOC TO HEAD-
QUARTERS, USAF IS FORWARDED FOR YOUR INFORMATION.
2. THE PROGRAM OUTLINED IN INCLOSURE #1 HAS BEEN APPROVED IN
PRINCIPLE BY HEADQUARTERS, USAF.

BY ORDER OF THE COMMANDER:

FILE
LIST OF 100 SITES
SHOWING REQUIRED
INTERNAL ID SYS
EXPANSION

S/Y/ BEN D BOORHEAD
CAPTAIN, USAF
ASST ADJUTANT

CONFIDENTIAL

66

0854

COPY

COPY

CONFIDENTIAL

HEADQUARTERS
AIR DEFENSE COMMAND
ENT AIR FORCE BASE
COLORADO SPRINGS, COLORADO

ACCE-07

13 DEC 1955

SUBJECT: (CONF) EMERGENCY ACTION TO EXPAND CAPACITY OF AN/FTA-6A
AT HQD RADAR SITES

TO: DIRECTOR OF COMMUNICATIONS
HEADQUARTERS USAF
ATTN: AFACD-5/C
WASHINGTON 25, D. C.

1. THIS LETTER CONFIRMS AND AMPLIFIES ADC MESSAGE (CONF)
ACCE-07 4423 DATED 10 NOVEMBER 55, REQUESTING EMERGENCY TC CHANGE.

2. IMMEDIATE INCREASED REQUIREMENTS ARE NECESSARY TO SUPPORT
NEW OPERATIONS CONCEPTS 1 MARCH 56 UNDER THE SIXTEEN AIR DIVISION
PLAN AND PRECLUDE LOSS OF COMBAT EFFICIENCY INTRODUCED BY LIMITED
FACILITIES NOW AUTHORIZED. A CONTINUING NEED FOR THE MANUAL SYSTEM
WILL EXIST DURING THE OME TEST PERIOD AND INDEFINITELY AS MANUAL
BACK-UP TO THE OPERATING OME SYSTEM.

3. REFERENCE INCLOSURE #1, NINE OF 32 SITES CONCERNED ARE
FULLY OPERATIONAL DC'S REQUIRING AN/FTA-13 OR EQUIVALENT WITH G3
TA-277A TEN LINE UNITS. HOWEVER, IN THREE OF THESE NINE SITES
GTA-6A'S ARE INSTALLED AND OPERATING. THEREFORE, TO OBVIATE NECESSITY
FOR GTA-6A REMOVAL AND AN/FTA-13 REINSTALLATION, IT IS RECOMMENDED
THAT GTA-6A'S REMAIN FOR AUGMENTATION BY MODIFICATION AS FOLLOWS:

- A. REPLACE MAIN FRAME G2 WITH A STANDARD FLOOR OR WALL MOUNTED 10" AS IN THE CASE IN THE AN/FTA-13.
- B. REPLACE EXISTING RUBBER CABLE AND QUICK DISCONNECTORS WITH PLASTIC CABLE AND DIRECT 10" AND LINE TERMINATIONS.
- C. INCREASE POWER SUPPLY AS REQUIRED BY MEANS OF A FIELD MODIFICATION KIT OR REPLACEMENT BY LARGER UNIT (FUTURE INSTALLATION OF GTA-23 WILL REQUIRE ADDITIONAL WINDING POWER).
- D. INCLUDE 5 WIRE GOLDY COVER JUMPER-WIRE FOR MAIN FRAME CROSS CONNECTIONS.

CONFIDENTIAL

033-55

0855

COPY

1
COPY

CONFIDENTIAL

TO: ADC ADJUTANT GENERAL (CONF) EMERGENCY ACTION TO EXPAND CAPACITY OF
AN/GTA-6A AT NO. 8 ADJUTANT SITES

4. IMPLEMENTATION OF THIS PLAN WILL REQUIRE APPROVAL AND FUNDING AS FOLLOWS:

A. PROCUREMENT 137 TA-277A UNITS	200,000.00
B. " " " 3 AN/GTA-13 TYPE IDF	2,000.00
C. " " " 32 POWER SUPPLY KITS	1,000.00
D. " " " 20 FR PLASTIC CABLE	12,000.00
E. " " " JUMPER WIRE & MISG HARDWARE	5,000.00
F. " " " 3 AN/GTA-6A MODIFICATIONS	5,000.00
	<hr/>
	TOTAL \$113,000.00

5. REQUEST THIS PLAN BE APPROVED AND AUTHORITY TO BE GIVEN AUTHORITY TO PROCEED WITH NECESSARY PROCUREMENT.

6. REQUIRED FC CHANGES WILL BE SUBMITTED ON ROUTINE CHANGE BASIS UPON YOUR NOTIFICATION OF APPROVAL.

FOR THE COMMANDER:

1. INCL
1. LIST OF ADC P SITES SHOWING REQUIRED INTERNAL TELEPHONE SYSTEM EXPANSION.

INFO: RAGS
CICF
LJCF
WJCF

CONFIDENTIAL

273-57

0856

COPY

COPY

CONFIDENTIAL

LIST OF GCP SITES SHOWING REQUIRED
INTERNAL TELEPHONE SYSTEM EXPANSION

NO.	BASE	PROPOSED IN-RTTs	REQUIRED IN-RTTs
12	NORTH BEND, OREGON	37	40
33	NO. TAMALPAIS	37	60
44	NEAR DAY	45	40
57	NASELLE, WASH	45	40
53	MATHER, CALIF	33	40
1	MCFORD	40	60
73	BELLEFONTAINE	29	40
9	HIGHLANDS, N. JERSEY	32	60
14	ST ALBANS, VERMONT	37	40
20	SELFRIDGE	29	40
21	LOCKPORT	37	40
30	BENTON, PENNSYLVANIA	41	40
31	WILLIAMS DAY, WISC	29	40
34	EMPIRE, NICH	30	40
45	ROYALTY, NEW YORK	33	60
50	SARATOGA SPRINGS	25	40
13	BRUNSWICK, N.C.	27	40
16	SALOME, NICH	31	40
74	VALERA, CALIF	30	40
2	CANBY, CALIF	25	40
32	CONWAY, NICH	41	40
37	WASSILA, WASH	32	40
17	ST. GEORGE, NICH	45	60

CONFIDENTIAL
0857

COPY

COPY

CONFIDENTIAL

LIST OF ALC P SITES SHOWING REQUIRED
INTERNAL TELEPHONE SYSTEM EXPANSION (CONT'D)

NO.	NAME	PROGRAMMED	REQUIRED
		IA-277a	EA-277a
<u>INSTALLED</u>			
10	NO TOWN, MASS	36	50
40	STHELLO, PA	50	40
54	PALERMO, D. C.	43	60
56	CAPE CHARLES, VA.	37	40
60	COLVILLE, WASH.	47	60
66	SAULT STE MARIE, MICH.	30	40
72	CLATHE, KANSAS	33	40
TOTAL		1006	1533

NOTE #1 - STANDARD AN/ATA-13 SYSTEM TO INCLUDE 63 EA IA-277a TEN
LINE UNITS, INCLUDING 3 EA MAINTENANCE SPARES.

STANDARD AN/ATA-6A SYSTEM TO INCLUDE 42 EA IA-277a TEN
LINE UNITS, INCLUDING 2 EA MAINTENANCE SPARES.

CONFIDENTIAL

CCY

CCY

CONFIDENTIAL

TO: LIAISON OFFICER, SUBJECT: (CONF) EMERGENCY ACTION TO EXPAND CAPACITY OF 400TH-65 AT AEG RADAR SITES

FROM: (27 Dec 55) 1ST INCL 10 JAN 1956

BY: 320 AIR DIVISION (DEFENSE), SYRACUSE AIR FORCE STATION, SYR C, NEW YORK

TO: COMMANDER, 470TH AIR DEFENSE WING, 115TH AIR FORCE BASE, FALMOUTH, MASSACHUSETTS & UNDER, 4711TH AEW, FREEDOME ISLE AFB, FREEDOME ISLE, ME.

1. THE ATTACHED CORRESPONDENCE IS FORWARDED FOR YOUR INFORMATION.

2. THIS ENDORSEMENT CONTAINS NO CLASSIFIED INFORMATION.

IN ORDER OF THE COMMANDER:

1 ENCL
H/C

/S/ GEORGE T. BOKNER
/T/ GEORGE T. BOKNER
2ND LT, USAF
ASSISTANT SQUAD LEADER

1

CONFIDENTIAL

0859

COPY

COPY

HEADQUARTERS
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

OCE

JAN 11 1956

SUBJECT: STANDARD DIRECTION CENTER FLOOR PLANS

TO: COMMANDER
4707TH AIR DEFENSE WING
OTIS AIR FORCE BASE
FALMOUTH, MASS.

1. THIS HEADQUARTERS HAS BEEN QUERIED CONCERNING MODIFICATION OF EXISTING DIRECTION CENTERS. THE FOLLOWING INFORMATION IS FURNISHED AS A SUPPLEMENT TO INFORMATION PREVIOUSLY RECEIVED.

A. STANDARD DIRECTION CENTER FLOOR PLANS WERE DISTRIBUTED BY EASTERN AIR DEFENSE FORCE TO EACH AC&M SQUADRON APPROXIMATELY 14 NOV 55.

B. SQUADRONS ARE URGED TO BEGIN MODIFICATION WHEN FUNDS ARE AVAILABLE.

C. STATIONS WILL BE REMOVED FROM THE NET AS REQUIRED TO ACCOMPLISH THESE MODIFICATIONS. REQUEST THIS HEADQUARTERS BE PROVIDED ADVANCE NOTIFICATION RELATIVE TO STARTING DATE FOR MODIFICATION IN ORDER THAT A SCHEDULE CAN BE ESTABLISHED.

D. SCOPES ASSIGNED AND PROGRAMMED WILL BE FUNCTIONALLY LOCATED TO CONFORM WITH THE STANDARD PLAN. PLAN INDICATES SCOPE POSITIONS FOR A DIRECTION CENTER WITH A MAXIMUM SCOPE ASSIGNMENT. THIS SCOPE ASSIGNMENT DOES NOT APPLY TO ALL DIRECTION CENTERS.

E. SCANS FOR WHICH NO OPERATIONAL REQUIREMENT EXISTS WILL BE REPORTED DIRECT TO EASTERN AIR DEFENSE, ATTN: EAMEL, BY UNIT CONCERNED, FOR SHIPPING INSTRUCTIONS (INFO COPY TO OCE, 32D AD(D)).

2. INFORMATION AVAILABLE CONCERNING PLOTTING EQUIPMENT IS AS FOLLOWS:

FUNDS ARE NOT AVAILABLE AT THIS HEADQUARTERS TO CONTRACT FOR THE PAINTING OF VERTICAL PLOTTING BOARDS. EACH ADCC WILL BE QUERIED BY THIS HEADQUARTERS AS TO THE AVAILABILITY OF PERSONNEL AND EQUIPMENT AT THE SITE TO RE-PAINT THE PLOTTING BOARDS.

67/1

0860

COPY

COPY

Hq 32d AD(D) OGE SUBJECT: STANDARD DIRECTION CENTER FLOOR PLANS

DRAFT TRACINGS DISTRIBUTED APPROXIMATELY 18 AUGUST 55 BY THIS HEAD-
QUARTERS TO EACH UNIT WILL BE UTILIZED WHEN RE-PAINTING IS ACCOMP-
LISHED. A MODIFIED LOGARITHMIC METHOD MAY BE USED FOR DISPLAYING
REQUIRED INFORMATION COMMENSURATE WITH THE ASSIGNED MISSION OF
UNIT CONCERNED.

BY ORDER OF THE COMMANDER:

/s/ GEORGE T. DORMER
/t/ GEORGE T. DORMER
2ND LT, USAF
ASSISTANT ADJUTANT

0861

COPY

COPY

HEADQUARTERS
AIR DEFENSE COMMAND
ENT AIR FORCE BASE
COLORADO SPRINGS, COLORADO

ADOOE-E

3 MAY 1956

SUBJECT: STANDARDIZED DIRECTION CENTERS (MANUAL SYSTEM)

TO: COMMANDER
EASTERN AIR DEFENSE FORCE
STEWART AIR FORCE BASE
NEWBURGH, NEW YORK

1. AS A RESULT OF THE FINAL CONFERENCE ON STANDARDIZATION OF THE MANUAL SYSTEM DIRECTION CENTERS HELD AT HEADQUARTERS, CADF, GRANDVIEW AIR FORCE BASE, GRANDVIEW, MISSOURI, 17 - 18 JANUARY 1956, THE INCLOSED ARE FORWARDED FOR YOUR GUIDANCE AND IMPLEMENTATION.

2. REFERENCE LETTER, THIS HEADQUARTERS, ADMIS OB/S, SUBJECT: "MODIFICATION OF OPERATIONS BUILDINGS AT ACW SQUADRONS," DATED 10 APRIL 1956. THE INTERIOR FINISH OF THE DIRECTION CENTER WILL BE IN ACCORDANCE WITH CADS RECOMMENDATION No. 181, AS FOLLOWS:

A. WALLS WILL BE PAINTED LIGHT GREEN THROUGHOUT EXCEPTING THE WALLS BEHIND THE VERTICAL PLOTTING BOARDS WHICH WILL BE PAINTED BLACK.

B. CEILING FORWARD OF THE PLOTTING BOARD WILL BE PAINTED AN OFF-WHITE, EXCEPTING ACOUSTICAL TILE USED IN CEILING WILL NOT BE PAINTED. CEILING BEHIND THE PLOTTING BOARD WILL BE PAINTED BLACK INCLUDING THE ACOUSTICAL TILE.

C. PLATFORMS IN FRONT OF THE PLOTTING BOARDS WILL BE PAINTED BLACK WITH THE STEPS AND EDGE OF EACH RAISED PORTION OUTLINED IN WHITE. PIPE RAILS WILL BE STRIPED IN WHITE TO ASSIST IN OUTLINING THE EDGES OF THE PLATFORMS. THE EQUIPMENT BEHIND THE PLOTTING BOARD WILL BE ALL BLACK.

D. ALL PAINTS WILL BE A FLAT OR MATTE FINISH.

3. MOVEMENTS IDENTIFICATION, WEAPONS ASSIGNMENT AND RECOVERY FUNCTIONS WITH POSITIONS, BECAUSE OF SPACE REQUIREMENTS, WILL BE LOCATED ON THE OPPOSITE SIDE OF THE DAIS FROM THE STEPS LEADING TO THE MAIN FLOOR AND DUTY DIRECTORS ROOM. SURVEILLANCE POSITIONS WILL ALWAYS BE LOCATED BETWEEN THE STEPS.

67/2

0862

C O P Y

C O P Y

Hq ADC, ADOOT-E, SUBJ: STANDARDIZED DIRECTION CENTERS (MANUAL SYSTEM)

4. STP POSITIONS WITH ATTENDENT EQUIPMENT WILL BE PLACED IN A ROOM PROVIDED UNDER THE DAIS LOCATED DIRECTLY UNDER THE DUTY DIRECTORS ROOM. EQUIPMENT WILL INCLUDE THE FOLLOWING:

- A. AN/GPS- T2
- B. 15-J-10 AND AN/URA-37
- C. PPI SCOPE
- D. FIGHTER OPERATIONS TABLE

TRAINING EQUIPMENT ROOM PLANS FOR TYPE II AND TYPE III AND III MODIFIED DIRECTION CENTERS WILL BE FORWARDED AS SOON AS PRACTICABLE.

5. SIF EQUIPMENT WILL BE LOCATED IN THE PROJECTION BOOTH.

6. RADIO MONITORS WILL BE LOCATED AT THE RECEIVER BUILDING IN ORDER TO REDUCE NOISE LEVEL IN DIRECTION CENTERS AND UTILIZE PERSONNEL AVAILABLE AT THE RECEIVER BUILDING. INTERCOMM FROM THE RECEIVER SITE TO THE OPERATIONS ROOM WILL BE INSTALLED.

7. RADAR ANTENNA TILT MECHANISM, VIDEO MAPPERS AND A PPI SCOPE WILL BE PLACED IN THE MAINTENANCE ROOM. STANDARDIZED MAINTENANCE ROOM PLANS WILL BE FORWARDED AS SOON AS PRACTICABLE.

8. PPI AND HRI SCOPE POSITIONS (AS SHOWN ON OPERATIONS ROOM FLOOR PLANS ADC-P-032 AND ADC-P-033, DATED 26 MARCH 1956) PRIORITY INSTALLATION WILL BE AS FOLLOWS:

- A. SURVEILLANCE:
 - (1) POSITION #4
 - (2) POSITION #22
 - (3) POSITION #24
 - (4) POSITION #23
- B. CONTROL:
 - (1) POSITION #9

C O P Y

C O P Y

Hq ADC, ADOOT-E, SUBJ: STANDARD DIRECTION CENTERS (MANUAL SYSTEM)

(2) POSITION #12

(3) POSITION #13

(4) POSITION #16

(5) POSITION #17

(6) POSITION #20

c. HRI:

(1) POSITION #25

(2) POSITION #26

(3) POSITION #27

(4) POSITION #28

d. AAA, MI, STP AND MAINTENANCE FPI SCOPES WILL BE INSTALLED AS REQUIRED.

9. A LIST OF DC FUNCTIONS AND POSITIONS AND INTERNAL COMMUNICATIONS PLAN (MINIMUM) FOR INTERNAL AND EXTERNAL CIRCUITS IS ATTACHED. IN ORDER TO PROVIDE THE DIRECTION CENTERS WITH MUCH MORE INTERNAL COMMUNICATIONS, FLEXIBILITY, SUPERVISION, DECREASE IN NOISE LEVEL, RESULTING IN EFFICIENT AND ORDERLY OPERATION, A STANDARD COMMUNICATIONS LAYOUT IS PROVIDED BY FUNCTIONS. ALL POSITIONS UNDER EACH FUNCTION MAY BE PROVIDED WITH DUPLICATE CIRCUITRY AND/OR SHARED WITHIN THE POSITIONS OF THE FUNCTION (I.E., SENIOR DIRECTOR POSITION #1 FUNCTION #1 AND CONTROL TECHNICIAN POSITION #2 FUNCTION #1 CAN HAVE IDENTICAL INTERNAL CIRCUITS AND SHARED DISTRIBUTION OF EXTERNAL CIRCUITS.) HOWEVER, EACH FUNCTION WILL HAVE THE MINIMUM COMMUNICATIONS OUTLINED IN ADC STANDARD DC INTERNAL COMMUNICATIONS PLAN (MINIMUM). ADDITIONAL TERMINATIONS MAY BE MADE IF ADDITIONAL KEYS ARE AVAILABLE.

10. DIRECTION CENTER PLANS HAVE BEEN DESIGNED FOR MAXIMUM EQUIPMENT AND AS SUCH WILL NOT APPLY IN THEIR ENTIRETY TO ALL SITES. THE FUNCTIONS AND POSITIONS, AS ACTIVATED BY THE INDIVIDUAL ACW SQUADRONS WILL BE DETERMINED BY THE MISSION ASSIGNED AND AVAILABILITY OF EQUIPMENT. HOWEVER, POSITIONS AND EQUIPMENT, AS ALLOCATED, WILL BE PLACED WITH THE FUNCTIONS AS STIPULATED ON THE PLANS.

C O P Y

C O P Y

HQ ADC, ADCOT-E, SUBJ: STANDARDIZED DIRECTION CENTERS (MANUAL SYSTEM)

11. CHANGES OR MODIFICATIONS TO THIS STANDARD DIRECTION CENTER PLAN MUST BE APPROVED BY THIS HEADQUARTERS PRIOR TO IMPLEMENTATION.

BY ORDER OF THE COMMANDER:

- 3 INCL
1. TYPE II STA PLANS
ADC-P-032 (1 SEPIA)
 2. TYPE III STA PLANS
ADC-P-033 (1 SEPIA)
 3. STANDARD DC INTERNAL
COMM PLAN (30 COPIES)

s/t/ T. C. SAVAGE
MAJOR, USAF
ASST COMMAND ADJ

0865

C O P Y

C O P Y

B/LTR FR HQ ADC ADCOT-E SUBJ: STANDARDIZED DIRECTION CENTERS
(MANUAL SYSTEM)

EADOT-OS (3 MAY 56) 1ST IND

HQ EASTERN AIR DEFENSE FORCE, STEWART AIR FORCE BASE, NEWBURGH, N.Y.

TO: COMMANDER, 32ND AIR DIVISION (DEFENSE), SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

1. PLANS FOR TYPE II, III, AND IIIM DIRECTION CENTERS (ADC-P-032)
AND ADC-P-033) WERE FORWARDED FOR NECESSARY ACTION ON 27 APRIL 1956
DIRECT TO CONCERNED UNITS WITH INFORMATION COPIES TO YOUR HEADQUARTERS.

2. INSTRUCTIONS ARE BEING ISSUED TO INCLUDE A DELAY CLAUSE IN
CONTRACTS FOR THIS MODIFICATION IN ORDER THAT TIME PHASING OF CONSTRUCTION
CAN BE EFFECTED WHICH WILL INSURE A MINIMUM LOSS OF COMMAND AIR
DEFENSE CAPABILITY DURING THE MODIFICATION PERIOD.

3. REFERENCE PARAGRAPH 8 AND 10 OF BASIC LETTER. AT LEAST
TWO (2) SURVEILLANCE SCOPE POSITIONS WILL BE ESTABLISHED AT EACH
STANDARD DIRECTION CENTER IN POSITIONS #4 AND #22 AND ONE HRI POSITION
IN POSITION #25. OTHER SCOPE POSITIONS WILL BE ESTABLISHED IN CON-
SONANCE WITH THE UNIT OPERATIONAL ASSIGNMENTS WITH INSTALLATION
PRIORITIES WITHIN THE PARTICULAR FUNCTION BEING OBSERVED.

4. FOR THOSE INSTALLATIONS WHICH HAVE PREVIOUSLY COMPLETED THIS
MODIFICATION, ACTION WILL BE TAKEN TO ALIGN WITH THE REVISED PLANS.
IF THIS ACTION IS NOT PRACTICABLE, REQUEST FOR LOCAL CHANGE OR MODI-
FICATION WILL BE SUBMITTED AS STATED IN PARAGRAPH 11, BASIC LETTER.

5. REQUEST PROMPT DISSEMINATION OF THE CONTENTS OF THIS LETTER
TO SUBORDINATE UNITS TO WHICH APPLICABLE.

BY ORDER OF THE COMMANDER:

3 INCLS
N/C

/s/ J. W. FOUNTAIN, JR.
/t/ J. W. FOUNTAIN, JR.
MAJOR, USAF
ASST ADJUTANT

0866

COPY

COPY

B/LTR FR HQ ADC ADOOT-E, 3 MAY 56, SUBJ: STANDARDIZED DIRECTION
CENTERS (MANUAL SYSTEM)

OCE

2D IND

1 JUN 1956

HQ 32D AIR DIVISION (DEFENSE), SYRACUSE AIR FORCE STATION, SYRACUSE 6,
NEW YORK

TO: COMMANDER, 14TH FIGHTER GROUP, ETHAN ALLEN AIR FORCE BASE,
WINDOSKI, VERMONT, COMDR 23D FTRGP., PRESQUE ISLE AFB, ME.

1. FORWARDED FOR YOUR INFORMATION AND DISSEMINATION IN ACCORD-
ANCE WITH PARAGRAPH 5, 1ST INDORSEMENT.

2. REFERENCE PARAGRAPH 1, 1ST INDORSEMENT, ADDITIONAL COPIES
OF PLANS WERE SENT FROM THIS HEADQUARTERS ON 31 MAY 1956.

BY ORDER OF THE COMMANDER:

1 INCL
STANDARD DC INTERNAL
COMM PLAN (2 cys)
(2 cys)

/s/ LEONARD R. CORDREY
/t/ LEONARD R. CORDREY
CWO-W3, USAF
ASST ADJUTANT

COPY

COPY

ABSUM (3 MAY 56)

3D IND

8 JUN 1956

HQ 23D FIGHTER GROUP (AD), PRESQUE ISLE AFB, MAINE

TO: COMMANDER, 32D AIR DIVISION (D), SYRACUSE AFB, SYRACUSE 6, N Y

1. REFERENCE YOUR 2D INDORSEMENT ABOVE, INCLOSURE (STANDARD DC INTERNAL COMM PLAN) WAS NOT RECEIVED AT THIS HEADQUARTERS.

2. REQUEST YOU FORWARD FIVE (5) COPIES OF SUBJECT INCLOSURE TO THIS INSTALLATION SO THE INFORMATION CAN BE PROPERLY DISSEMINATED.

FOR THE COMMANDER:

/s/ JOHN L. NAVARRO
/t/ JOHN L. NAVARRO
CAPTAIN, USAF
ADJUTANT

0868

C O P Y

C O P Y

B/LTR FR HQ ADC ADCOT-E, 3 MAY 56, SUBJ: STANDARDIZED DIRECTION
CENTERS (MANUAL SYSTEM)

OCE

4TH IND

26 JUN 1956

HQ 32D AIR DIVISION (DEFENSE), SYRACUSE AIR FORCE STATION, SYRACUSE 6,
NEW YORK

TO: COMMANDER, 23D FIGHTER GROUP, PRESQUE ISLE AIR FORCE BASE,
PRESQUE ISLE, MAINE

1. REFERENCE PARAGRAPH 1, 1ST INDORSEMENT. ORIGINAL PLANS WERE
SENT DIRECTLY TO ACWRON BY HEADQUARTERS EASTERN AIR DEFENSE FORCE.
2. REFERENCE PARAGRAPH 2, 2D INDORSEMENT. ADDITIONAL COPIES
WERE SENT TO YOUR HEADQUARTERS 31 MAY 1956.
3. THIS HEADQUARTERS HAS INFORMATION AVAILABLE THAT DISCLOSES
THE PLANS ARE ON HAND AT EACH ACWRON.
4. REFERENCE PARAGRAPH 5, 1ST INDORSEMENT. REQUEST DISSEMIN-
ATION TO SUBORDINATE UNITS SINCE NO ADDITIONAL COPIES OF PLANS ARE
AVAILABLE AT THIS TIME.

BY ORDER OF THE COMMANDER:

/S/ LEONARD R. CORDREY
/T/ LEONARD R? CORDREY
CWO, W3, USAF
ASST ADJUTANT

C O P Y

C O P Y

HEADQUARTERS
EASTERN AIR DEFENSE FORCE
STEWART AIR FORCE BASE, NEWBURGH, N. Y.

EADOT-05

JUN 7 1956

SUBJECT: STANDARD DIRECTION CENTER FLOOR PLAN

TO: COMMANDER
32ND AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

1. TRANSMITTED HERewith AS ATTACHMENT #1 IS CORRESPONDENCE RECEIVED FROM HEADQUARTERS MIDDLETOWN AIR MATERIEL AREA IN WHICH THEY HAVE ESTABLISHED A PRIORITY OF STANDARDIZATION AND REQUIRED COMPLETION DATE FOR CERTAIN DIRECTION CENTERS WITHIN THIS COMMAND. IT IS DESIRED THAT THESE PRIORITIES AND COMPLETION DATES BE OBSERVED WHEREVER POSSIBLE.

2. ROME AF DEPOT HAS INITIATED ACTION TO CONTACT OTHER MATERIEL AREAS CONCERNED WITH THIS REGION TO OBTAIN IDENTICAL INFORMATION. WHEN THIS INFORMATION IS RECEIVED, IT WILL BE FORWARDED FOR YOUR INFORMATION AND PLANNING AS SOON AS POSSIBLE.

BY ORDER OF THE COMMANDER:

1 ATCHMT
LTR W/1 INCL
FR MIDDLETOWN
AIR MAT AREA

S/
BEN D. MOORHEAD
CAPTAIN, USAF
ASST. ADJUTANT

G7/3

0870

C O P Y

C O P Y

HEADQUARTERS
MIDDLETOWN AIR MATERIEL AREA
OLMSTEAD AIR FORCE BASE, PENNSYLVANIA

IN REPLY
REFER TO: MAWNT

MAY 23, 1956

SUBJECT: CONVERSION OF OPERATION ROOM DIAS ARRANGEMENT TO AIR
DEFENSE COMMAND STANDARD LAYOUT

TO: COMMANDER
EASTERN AIR DEFENSE FORCE
ATTN: EACOE
STEWART AIR FORCE BASE
NEWBURGH, NEW YORK

1. IN CONNECTION WITH THE VISIT OF MR. DEFRIES, THIS HEAD-
QUARTERS, TO YOUR AGENCY ON 24 MAY 1956, THE INCLOSED PROPOSED
SCHEDULE FOR PRIORITY OF CONVERSION OF OPERATION ROOM DIAS ARRANGE-
MENT AT P SITES IN THE MIDDLETOWN AIR MATERIEL AREA IS FORWARDED
FOR YOUR INFORMATION AND ACTION AS REQUIRED.

2. THE DATES INDICATED, SET FORTH THE LATEST ACCEPTABLE
CONVERSION COMPLETION DATES THAT CAN BE TOLERATED TO ENABLE THE
PRESENT MIDDLETOWN AIR MATERIEL AREA INSTALLATION PROGRAM FOR
AN/FPS-6 AND AN/GPA_37 EQUIPMENTS TO PROCEED AS SCHEDULED.

3. WHERE A PERIOD OF TIME IS INDICATED, COMPLETION OF CON-
VERSION BY THE EARLIEST DATE IS DESIRABLE, BUT NOT MANDATORY.
COMPLETION OF CONVERSION OF OPERATIONS ROOM BY THE LATEST DATE
INDICATED WILL SATISFY REQUIREMENTS OF THIS HEADQUARTERS.

4. IT IS REQUESTED THAT THIS HEADQUARTERS BE ADVISED IF
DEVIATIONS FROM THIS SCHEDULE WILL BE REQUIRED BY YOUR COMMAND.

FOR THE COMMANDER:

1 INCL
1. P SITE SCHEDULE
cc: EADF ATTN: EAMIS-0-15
EADF ATTN: EA00T
ADFS-FO ATTN: MCFYBM

S/
JAMES W. FOHN
MAJOR, USAF
CHIEF, GROUND COMMS DIVISION
DIRECTORATE OF MAINT ENGINEERING

ATCH #1

0871

C O P Y

C O P Y

MANUAL OPERATIONS ROOM DIAS CONVERSION SCHEDULE

P-SITES

<u>PRIORITY</u>	<u>SITE</u>	<u>LOCATION</u>	<u>REQUIRED COMPLETION DATE</u>
1	P-45	MONTAUK, N.Y.	JUNE 15, 1956
2	P-54	PALERMO, N.J.	JULY 15, 1956
3	P-65	CHARLESTON, ME.	AUG 1, 1956 THRU DEC 31, 1956
4	P-10	NORTH TRURO, MASS.	AUG 1, 1956 THRU JAN 31, 1956
5	P-9	HIGHLANDS, N.J.	AUG 1, 1956 THRU DEC 31, 1956
6	P-13	BRUNSWICK, ME.	AUG 15, 1956
7	P-50	SARATOGA SPRINGS, N.Y.	SEPT 1, 1956
8	P-30	BENTON, PA.	SEPT 1, 1956
9	P-21	LOCKPORT, N.Y.	SEPT 1, 1956 THRU OCT 31, 1956
10	P-30	CASWELL, ME.	SEPT 15, 1956 THRU DEC 31, 1956
11	P-47	WATERTOWN, N.Y.	OCT 1, 1956
12	P-63	CLAYSBURG, PA.	NOV 1, 1956
13	P-14	ST. ALBANS, VT.	JAN 1, 1957

INCL #1

0872

COPY

COPY

EACOT-OS HQ EADF, 7 JUN 56, SUBJ: STANDARD DIRECTION CENTER FLOOR PLAN

COT-A 1ST IND

HQ 32D AIR DIVISION (DEFENSE), SYRACUSE AIR FORCE STATION, SYRACUSE 6,
NEW YORK 15 JUNE 1956

TO: COMMANDER, 14TH FIGHTER GROUP, ETHAN ALLEN AIR FORCE BASE,
WINDSOCK1, VERMONT
COMMANDER, 23RD FIGHTER GROUP, PRESQUE ISLE AIR FORCE BASE,
PRESQUE ISLE, MAINE

FORWARDED FOR YOUR INFORMATION AND GUIDANCE.

BY ORDER OF THE COMMANDER:

1 ATCHMT
v/c

/s/ LEONARD R. CORDREY
/t/ LEONARD R. CORDREY
CWO-413, USAF
ASSISTANT ADJUTANT

INFO CY:
COMDR, 654 ACWRON
COMDR, 655 ACWRON
COMDR, 764 ACWRON
COMDR, 765 ACWRON
COMDR, 766 ACWRON

SECRET

TO: 321 HQ/7, WYOMING STA, SWP, BY
INFO: 2611 HQ/1, WYOMING STA, SWP, BY

01/14/52 0400 ZCZC

INFO: 2611 HQ/1, WYOMING STA, SWP, BY

SECRET SECRET ALPHA CHARLIE FOXTRIT USCAP USAP TANG BACH
ALPHA 06001 PD SUSPECT UN MODIFICATION OF OPERATIONS
BUTLER AND INSTALLATION OF SELF TANG ALPHA BACH OPA ALPHA PD
CONFIRMING TELETYPE CONVERSATION BETWEEN MAJOR ALGER AND YOUR
INFO MAJOR MAJORITY AND IT IS PD PARA BACH ONE THREE WILL BE
ON AN EARLY WARNING STAGE WITH THE NAME AND SURNAME LINES IN
FOUR NINE FIVE SIX SEVEN EIGHT NINE AND CROSS TELL TO DATA
BACH ONE ZERO AND PARA BACH SIX FIVE FOUR WHICH OF ONE FOUR FIVE
COMMENTING ONE ONE ONE FIVE SIX FOR MODIFICATION OF OPERATIONS
BUTLER AND INSTALLATION OF SELF TANG ALPHA SIX ALPHA PD

MAJ. J. SWELLEN, LT COL, USAF
317143 0400 ZCZC

MAJ. W. HODGKINS, COL, USAF
317143 0400 ZCZC

SECRET

68/1

0874

SECRET

SECRET

0875

COPY

COPY

HQ, 32D AD(D), SYR AFS, SYR, NY

01/1930Z

SECRET

COMDR, 654TH ACWRON, USNAS, BRUNSWICK, ME.

PRIORITY PRIORITY

XX

ADJ 05079

SECRET

COMDR, EADF, STEWART AFB, NEWBURGH, NY
COMDR, 23FTRGP, P21 AFB, P21, ME.

SLASH SECRET SLASH ALPHA CHARLIE FOXTROT OSCAR OSCAR TANGO DASH

ALPHA 05177 PD REF UR SECRET MSG ALPHA DELTA JULIETT

ZERO FIVE ZERO SEVEN NINE OMM SUBJECT CLN MOD OF OPR ROOM AND

GOLF TANGO ALPHA DASH SIX ALPHA INSTL DTD TWO ONE MAY FIVE SIX PD

APPR EFF ONE ONE JUNE ONE NINE FIVE SIX FOR ONE FOUR DAYS PROV

YOU SUPPLY AND MAN ONE ECHO WHISKEY SCOPE OMM SCRAMBLE LINES TO

FOUR NINE FIS OMM LAND LINE AND HOTEL FOXTROT BACKUP TO ADCC OMM

CROSS TELL TO PAPA DASH SIX FIVE AND PAPA DASH ONE ZERO PD TWO

SIXTH AIR DIVISION ADVISES PAPA DASH ONE ZERO WILL ASSUME

RESPONSIBILITY FOR PICKET VESSEL STATION ONE TWO PD

SECRET

1 1

W. M. SHELTON, LT COL, USAF

W. W. INGENHUTT, COL, USAF

JUNE 56 D/OOT

111

ODO/142

56-1486

SECRET

68/2

0876

COPY

COPY

SECRET

06/2030Z JUNE 56

SECRET

HQ, 32D AD(D), SYRAFS, SYR, NY

ROUTINE

COMDR, 49TH FIS, HANSCOM FIELD, MASS
COMDR, 133RD FIS (ANG), GREINIER AFB,
MANCHESTER, NH.

X

X

COMDR, 762ND ACWRON, NORTH TRURO AFS,
NORTH TRURO, MASS.

COMDR, 26TH AD(D), ROSLYN AFS, ROSLYN, NY. ACFOOT-A 05177 SECRET
INFO: COMDR, 23RD FTRGP, PQI AFB, PQI, ME.

SLASH SECRET SLASH ALPHA CHARLIE FOXTROT OSCAR OSCAR TANGO DASH

ALPHA 06040 PD EFFECTIVE ON ONE ONE JUNE FIVE SIX OMM THE

SIX FIVE FOURTH ALPHA CHARLIE AND WHISKEY SQUADRON WILL UNDERGO

MODIFICATION OF THEIR OPS ROOM AND COMMENCE INSTALLATION OF GOLF

TANGO ALPHA DASH SIX ALPHA EQP PD THREE TWO AIR DIV MSG ALPHA

CHARLIE FOXTROT OSCAR OSCAR TANGO DASH ALPHA ZERO FIVE ONE SEVEN

SEVEN FWD TO THE SIX FIVE FOURTH ALPHA CHARLIE WHISKEY SQUADRON

IS QUOTED IN PART FYI CLN QUOTE APPR EFF ONE ONE JUNE ONE NINE

FIVE SIX FOR ONE FOUR DAYS PROV YOU SUPPLY AND MAN ONE ECHO

WHISKEY SCOPE OMM SCRAMBLE LINES TO FOUR NINE FIS OMM LAND LINE

SECRET

1

2

WM. M. SHELTON, LT COL, USAF

W. W. INGENHUTT, COL, USAF

6/1550 JUNE 56 D/OOT

111

ODO/142

56-1536

SECRET

68/3

0877

COPY

SECRET

SECRET

COPY

HQ, 32D AD(D), SYR AFS, SYR, NY

AND HOTEL FOXTROT BACKUP TO ADCC OMM CROSS TELL TO PAPA DASH

SIX FIVE AND PAPA DASH ONE ZERO PD TWO SIXTH AIR DIVISION ADVISES

PAPA DASH ONE ZERO WILL ASSUME RESPONSIBILITY FOR PICKET VESSEL

STATION ONE PD UNQUOTE

6/1550Z JUNE 56, D/00T

2 2 SECRET

JD/PP

56-1536

SECRET

0878

COPY

SECRET

COPY

SECRET

ROUTINE
ROUTINE

X

EA00T-E 21826 UNCLASSIFIED

HQ, 32D AD(D), SYR AFS, SYR, NY

COMDR, EADF, STEWART AFB, NEWBURGH, NY
INFO: COMDR, 49TH FIS, HANSCOM FIELD, MASS.
COMDR, 654TH ACWRON, BRUNSWICK NAS, BRUNSWICK, ME.
COMDR, 23RD FTRGP, PQ1 AFB, PQ1, ME.

ALPHA CHARLIE FOXTROT OSCAR OSCAR TANGO DASH ALPHA 06047 PD

REF MSG ECHO ALPHA OSCAR OSCAR TANGO DASH ECHO TWO ONE EIGHT TWO

SIX OMM SUBJ CLN EADF TACTICAL EVALUATION DTD FIVE JUNE PD THE

SIX FIVE FOUR ACWRON WILL BE OFF THE AIR FOR ONE FOUR DAYS STARTING

ONE ONE JUNE FIVE SIX OMM REF THIS HQ MSG ALPHA CHARLIE FOXTROT

OSCAR OSCAR TANGO DASH ALPHA ZERO FIVE ONE SEVEN SEVEN DTD ONE JUNE

FIVE SIX PD REQ RESCHEDULE EVALUATION TO FUTURE DATE PD SUGGEST

SECOND OR THIRD WEEK IN JULY PD

07 1745Z

JUNE 1956

ACFOOT-A

WILLIAM M. SHELTON, LT COL, USAF
111 1 1

W. W. INGENHUTT
COLONEL, USAF
DEPUTY FOR OPERATIONS

SECRET

56-1551

SECRET

68/4

0879

COPY

SECRET

COPY

HQ 32D AD(D) SYR AF STA SYRACUSE NY 26/1930Z JUNE 56 SECRET

ROUTINE DEFERRED

CMDR 764TH ACWRON ST ALBANS AFS, VT.		
CMDR 766TH ACWRON CASWELL AFS LIMESTONE ME.	X	X
CMDR 655TH ACWRON WATERTOWN AFS, NY		
CMDR 765TH ACWRON CHARLESTON AFS, ME.		X

CMDR 14TH FTR GP ETHAN ALLEN AFB WINOOSKI, VT.
CMDR 23D FTR GP PRESQUE ISLE AFB, ME.

/SECRET/ ACFOCE 06165. THE FOLG SKED IS ESTBD TO
 ACCOMP OPERATION ROOM MODIFICATION PD REQ THIS HQS
 PAREN ATTN OSCAR CHARLIE ECHO PAREN BE NOTIFIED IF
 SKED DATES CANNOT BE MET PD SEVEN SIX FOUR ACWRON
 ONE TWO ZERO ZERO ZULU SIX AUG TO ONE TWO ZERO ZERO
 ZULU TWO ZERO AUG ONE NINE FIVE SIX PD SEVEN SIX SIX
 ACWRON ONE TWO ZERO ZERO ZULU TWO ZERO AUG TO ONE TWO
 ZERO ZERO ZULU THREE SEP ONE NINE FIVE SIX PD SIX FIVE
 FIVE ACWRON ONE TWO ZERO ZERO ZULU FOUR SEP TO ONE TWO
 ZERO ZERO ZULU ONE EIGHT SEP ONE NINE FIVE SIX PD

SECRET 1 2

56-1710

SECRET

69

0880

COPY

SECRET

COPY

HQ 32D AD(D) SYR AF STA SYRACUSE NY

SECRET

ROUTINE DEFERRED

X

X

X

(CONT'D)

SEVEN SIX FIVE ACWRON ONE TWO ZERO ZERO ZULU ONE EIGHT
SEP TO ONE TWO ZERO ZERO ZULU TWO OCT ONE NINE FIVE SIX
PD ONE SCOPE WILL BE UTILIZED DURING PD OF MODIFICATION TO
PERFORM ECHO WHISKEY FUNCTION PD SCRAMBLE LINE OMM LINE
TO CON DEN OMM OVERLAP LINES TO ADJACENT SITES PLUS A
LINE TO HOTEL FOXTROT EQP WILL BE PROVIDED AT THE ECHO
WHISKEY SCOPE PD SEVEN SIX FOUR ACWRON OMM THIS ANS YOUR
MSG ALFA CHARLIES SIERRA DASH CHARLIE ECHO TWO ZERO FOXTROT PD

SECRET

2

2

LESLIE G. HEARTZ, COL., USAF

WILLIAM W. INGENHUTT, COL., USAF

ACFOCE 26/1435Z

070

DEPUTY FOR OPERATIONS

56-1710

SECRET

0881

downgraded
~~CONFIDENTIAL~~

15 JUL 56
HEADQUARTERS, 7TH AIR FORCE, NEW YORK, N.Y.

TO: SAC, NEW YORK (70-155)
FROM: SAC, NEW YORK (70-155) (P)
SUBJECT: (U) Radar Installation Search Site Selection and Survey

RE: (U) (S) (M)
32d AIR DIVISION (Defense)
WRAVUSSE AIR FORCE STATION
WRAVUSSE 6, NEW YORK

1. The enclosed Air Defense Command letter is forwarded for your information and necessary action.
2. It is believed that the 70th STATIONS can accomplish siteing requirements specified in the enclosed letter. Transport and other assistance which may be required by the 70th STATION will be solicited from the SACENTIN Support Base.
3. In the event the 70th STATIONS cannot obtain required assistance from the support base OR cannot resolve problems associated with this project, SACENTIN AIR DIVISION WILL RENDER ALL POSSIBLE ASSISTANCE TO INSURE A TIMELY CONCLUSION. RESULTS WHICH CANNOT BE SECURED AT AIR DIVISION LEVELS WILL BE FORWARDED TO THE HEADQUARTERS FOR ACTION.
4. All requested technical assistance from the LINCOLN LABORATORIES AND SAC, IN ACCORDANCE WITH PARAGRAPH 3 OF ENCLOSED AIR LETTER, WILL BE FORWARDED TO THE HEADQUARTERS, ATTENTION: 70-155.
5. Search sites for the Miller Radar Stations will be accomplished by the parent 70th STATION.
6. Site selection and survey reports will be accomplished and forwarded to HQ 70th STATION HEADQUARTERS, ATTENTION: 70-155, NOT LATER THAN DATES INDICATED BELOW:

- a. WRAVUSSE 21 - 15 JULY 1956
- b. STEWART 21 - 1 SEPTEMBER 1956
- c. WRAVUSSE 30 - 1 NOVEMBER 1956
- d. Ft. Lee 21 - 1 JANUARY 1957
- e. TOTTENHAM 21 - 1 MARCH 1957

70/1

~~CONFIDENTIAL~~

0882

Handwritten
CONFIDENTIAL

1. [Illegible text]

2. [Illegible text]

3. [Illegible text]

BY ORDER OF THE SECRETARY:

// ZENOBIA SKIWARD
// ZENOBIA SKIWARD
CAPTAIN, USAF
FIRST ASSISTANT

100-100000-100000
100-100000-100000
100-100000-100000
100-100000-100000

Handwritten
CONFIDENTIAL

0883

Handwritten signature
CONFIDENTIAL

1. The purpose of this document is to provide information regarding the selection of a site for the construction of a new facility. The site should be located in an area that is accessible to the public and is suitable for the construction of a new facility.

2. The site should be located in an area that is accessible to the public and is suitable for the construction of a new facility.

3. Within the 300-acre area of responsibility, it will be necessary to give consideration to the following items:

- a. 1-13
- b. 1-14
- c. 1-15
- d. 1-16
- e. 1-17
- f. 1-18
- g. 1-19
- h. 1-20
- i. 1-21
- j. 1-22
- k. 1-23
- l. 1-24
- m. 1-25
- n. 1-26
- o. 1-27
- p. 1-28
- q. 1-29
- r. 1-30

4. Within responsibility is delegated to each of the following, in the interest of efficiency, since the primary assistance provided is outlined in paragraph 3, the procedure to be followed in the following items is as follows:

a. Each of the following will be responsible for the selection of a site for the construction of a new facility. The site should be located in an area that is accessible to the public and is suitable for the construction of a new facility.

b. This headquarters will be advised of proposed locations not later than 1 week prior to the initiation of construction of a new facility.

c. This headquarters will receive technical assistance as outlined in paragraph 3, basic letter and will provide a representative to accompany site visits on the official survey within the selection area.

d. The following survey will be conducted in the responsibility of this headquarters and will include the following items:

Handwritten signature 73-70

0884

CONFIDENTIAL

TO: SAC, NEW YORK (100-100000)
FROM: SAC, SYRACUSE (100-100000)
SUBJECT: RADAR ORIENTATION LEADON SITING REPORT

1. In accordance with the Defense Command and Eastern Air Defense Force Letters, Subject: (U) Radar Orientation Leadon Site Election and Survey, dated 7 March 1950 and 15 April 1950 with 200-100-100000 (Secured) Enclosure, Attached Siting Report was accomplished on 6 June 1950.

2. In accordance with the Defense Command and Eastern Air Defense Force Letters, Subject: (U) Radar Orientation Leadon Site Election and Survey, dated 7 March 1950 and 15 April 1950 with 200-100-100000 (Secured) Enclosure, Attached Siting Report was accomplished on 6 June 1950.

3. In accordance with the Defense Command and Eastern Air Defense Force Letters, Subject: (U) Radar Orientation Leadon Site Election and Survey, dated 7 March 1950 and 15 April 1950 with 200-100-100000 (Secured) Enclosure, Attached Siting Report was accomplished on 6 June 1950.

4. In accordance with the Defense Command and Eastern Air Defense Force Letters, Subject: (U) Radar Orientation Leadon Site Election and Survey, dated 7 March 1950 and 15 April 1950 with 200-100-100000 (Secured) Enclosure, Attached Siting Report was accomplished on 6 June 1950.

5. In accordance with the Defense Command and Eastern Air Defense Force Letters, Subject: (U) Radar Orientation Leadon Site Election and Survey, dated 7 March 1950 and 15 April 1950 with 200-100-100000 (Secured) Enclosure, Attached Siting Report was accomplished on 6 June 1950.

6. In accordance with the Defense Command and Eastern Air Defense Force Letters, Subject: (U) Radar Orientation Leadon Site Election and Survey, dated 7 March 1950 and 15 April 1950 with 200-100-100000 (Secured) Enclosure, Attached Siting Report was accomplished on 6 June 1950.

7. This letter is classified CONFIDENTIAL in accordance with Executive Order 12958, Section 1.4.

1 copy
Radar Orientation Leadon
Siting Report, 7 June 50,
2 copies w/ Incls 1 & 2.

/s/ [Signature]
/t/ [Signature]
Commander

70/2

CONFIDENTIAL

0886

CONFIDENTIAL

ATTENTION: MR. [Name], [Address], [City], [State], [Zip]

TO: [Name], [Address], [City], [State], [Zip]

1. [Text]
2. [Text]
3. [Text]
4. [Text]
5. [Text]
6. [Text]

[Text]

[Text]

[Text]

[Text]

CONFIDENTIAL

CITY

CITY

Lawrence
CONFIDENTIAL

RE: 320-1007 DYS OF CITY WRECK BY
CORPORATION OF S. I. W. B., NEWBURN, NY

03/17/56 JUN 56

(CONFIDENTIAL)

REURITE

E. L. E-EP 0547

(CONFIDENTIAL)

CONFIDENTIAL/REFUGEE 26046. YOUR E. L. E-EP 0547 DATED 22
MAY 56. IN TENTATIVELY DETERMINING ROAD ORIENTATION BEYOND SITE
IT HAS BEEN FOUND THAT IN MANY INSTANCES IT IS IMPOSSIBLE TO
OBTAIN ORIENTA PRESENTLY OBTAINED. CITY LOCATIONS ARE BEING
FOCUSSED WITH PRIMARY EMPHASIS PLACED UPON ACCESSIBILITY AND
LOCATING ON ROAD RIGHTS OF WAYS TO PRECLUDE NEED FOR ACQUIRING
LAND. LISTED BELOW ARE LOCATIONS PRESENTLY UNDER STUDY WITH
ORIENTA PRESENTLY OBTAINED: 1-14, 4 MILES, NEGATIVE 2
MILES SOUTH 10 DEGREE: 1-143, 3 MILES, NEGATIVE 7 DEGREE:
1-421, 5 MILES, NEGATIVE 1 DEGREE: 1-90 3 MILES 4 MILES.

CONFIDENTIAL

1037-56

CONFIDENTIAL
Lawrence

70/3

0888

COPY

COPY

Classified
CONFIDENTIAL

1. 321 4007 508 AF STA SYRACUSE NY

(CONFIDENTIAL)

ROUTE

(CONT'D)

EWING-ER 0547 (CONFIDENTIAL)

NEGATIVE 1 DEGREE: 1-30A, 6 MILES, NEGATIVE 3 DEGREE.
IN ADD TO ABOVE; 766R. WARRON ADVISES THAT ROADS TO
SUITABLE LOCATIONS FROM 1-30A VIRTUALLY DO NOT EXIST.
THE ONE POSSIBLE ONE LISTED ABOVE WOULD REQUIRE CONSTRUCTION
OF 6 MILES OF ROAD TO MOUNTAIN. WEATHER CONDITIONS
IN THIS LOCALITY PRESENT A BURDEN OF 6" OVER TERRAIN DURING
2 MONTHS OF THE YEAR. THE BEST AVAIL RELATIVE TO WARRON OF
CRITERIA THROUGH DISTANCES AND ADDITIONAL INFO CONCERNING
POLICY ON JUDGING LOCATIONS WHERE ACCESS COSTS WILL BE
EXORBITANT.

CONFIDENTIAL

LESLIE W. HEARTE, COL., USAF WILLIAM W. INGENHUT, COL., USAF

WAFCE

070 - DEPT OF OPERATIONS

1037-56

Classified
CONFIDENTIAL

CONFIDENTIAL

AIR DEVELOPMENT CENTER
 AIR RESEARCH & DEVELOPMENT COMMAND
 GRIFFISS AIR FORCE BASE
 BANGOR, NEW YORK

FORM-2

JUL 13 1955

SUBJECT: PRODUCTION ACCEPTANCE TEST OF THE A/GA-37

TO: COMMANDER
 AIR DEFENSE COMMAND
 ATTN: MAJOR H. W. FARMER, USAF
 ENT AIR FORCE BASE
 COLORADO SPRINGS
 COLORADO

1. REFERENCE IS MADE TO A LETTER FROM THIS CENTER DATED 25 FEBRUARY 1955 ENTITLED "PRELIMINARY PLANNING FOR PRODUCTION ACCEPTANCE TEST OF A/GA-37" AND FIRST INTERCEPT DATED 17 MARCH 1955 FROM YOUR HEADQUARTERS.

2. THE PRODUCTION ACCEPTANCE TEST OF THE A/GA-37 IS PRESENTLY SCHEDULED FOR NOVEMBER-DECEMBER 1955. DUE TO TIME LIMITATIONS, IT IS FELT ADVISABLE TO HOLD THE TESTS AT THE VERONA TEST SITE OF THE BANGOR AIR DEVELOPMENT CENTER NEAR BANGOR, NEW YORK. THE TIME LIMITATION IS DUE TO THE FACT THAT RAC IS COMMITTED TO GIVE FIRST ARTICLE APPROVAL BY 1 JANUARY 1956 IN ORDER THAT THE PRODUCTION SCHEDULE REMAIN UNCHANGED.

3. THE TESTS WILL BE DIVIDED INTO TWO PHASES:

A. VOICE CONTROL - INTERCEPTS WITH SUCCESSFULLY INCREASING CAPACITY. IF POSSIBLE, ONE OR TWO FLIGHTS SHOULD BE MADE UTILIZING THE FULL CAPACITY OF ONE A/GA-23 CONSOL, I.E. SIX INTERCEPTS OVERLAPPING IN TIME. AS STATED IN THE LETTER OF 25 FEBRUARY 1955, THIS WOULD REQUIRE AT LEAST SIX FIGHTER AIRCRAFT AS "INTERCEPTORS" AND PREFERABLY SIX OTHER HIGH SPEED AIRCRAFT AS "TARGETS".

B. DATA LINK CONTROL - RAC WILL MAKE AVAILABLE TWO F-32 DATA LINK EQUIPPED AIRCRAFT BEGINNING IN OCTOBER 1955 FOR USE IN THE PRODUCTION ACCEPTANCE TESTS OF THE A/GA-37. IT IS PROPOSED TO RUN VARIOUS TYPES OF DATA LINK CONTROLLED INTERCEPTIONS TO EVALUATE THE COMPLETE CONTROL LOOP.

4. IN COOPERATION WITH THE USAF CONTROLLERS SCHOOL AT RANDALL AFB, DALLAS TEXAS TRAINED TWO CONTROLLERS IN THE OPERATION OF THE A/GA-23 (A-2) AT BANGOR. THE USAF CONTROLLERS SCHOOL

CONFIDENTIAL

100-55

72/1

0890

CONFIDENTIAL

4. THE FOLLOWING AGREEMENT WAS REACHED WITH THE 4TH TROOPING GROUND

5. AGREEMENT HAS BEEN REACHED WITH THE 4TH TROOPING GROUND COMMAND THAT THE PRODUCTION ACCEPTANCE TESTS DO NOT CONFLICT WITH THE PROPOSED TEST TO BE PERFORMED BY HQMC SOMETIME IN 1956. HQMC HAS AGREED TO COOPERATE IN THE TESTS BY SENDING OBSERVERS AS WELL AS CONDUCTING A LIMITED EVALUATION OF THEIR OWN AT THE SAME TIME.

6. THIS HEADQUARTERS DESIRES INFORMATION AS TO WHAT EXTENT AIRMAN SUPPORT SUCH A PROGRAM IN THE FOLLOWING CATEGORIES:

A. AIRCRAFT.

B. PILOTS FOR THE TWO F-100 DATA LINK EQUIPPED AIRCRAFT.

7. DUE TO THE TIME LIMITATION AND DUE TO THE LIMITED NUMBER OF FLYING DAYS AVAILABLE IN THIS AREA IN NOVEMBER AND DECEMBER, IT IS FELT THAT THE USE OF OPERATIONAL AIRCRAFT IN THE TESTS DESCRIBED IN PARAGRAPH 3a WOULD EXPEDITE THE PROGRAM. THE FLIGHT TEST SQUADRON AT RADC WOULD NOT SUPPLY AIRCRAFT IN SUFFICIENT NUMBERS FOR THE MAXIMUM CAPABILITY TESTS. OPERATIONAL AIRCRAFT AND PILOTS WOULD ALSO BE MORE REPRESENTATIVE OF ACTUAL FIELD CONDITIONS. FOR THESE REASONS, IT IS DESIRED THAT AIRCRAFT FROM THE 27th FLS AT HOME AND/OR THE 47th FLS AT NIAGARA FALLS BE ASSIGNED TO THE TESTS. THESE AIRCRAFT WOULD NOT BECOME INVOLVED IN A LARGE SCALE TESTING PROGRAM AND IT IS POSSIBLE THAT TWO OR THREE MULTIPLE INTERCEPTION FLIGHTS WOULD SUFFICE FOR OUR PURPOSES.

8. AT PRESENT, THE AIRCRAFT DESCRIBED IN PARAGRAPH 3a HAVE NOT BEEN ASSIGNED PILOTS. THESE WILL BE AIRCRAFT WITH THE DATA LINK RECEIVER COUPLED TO THE 5-4 FIRE CONTROL SYSTEM. THE DATA LINK OPERATION AND PRESENTATION WILL BE ALMOST IDENTICAL TO THAT IN THE FIRST OPERATIONAL AIRCRAFT EQUIPPED WITH DATA LINK THAT HQMC WILL RECEIVE. FOR THIS REASON, IT WOULD APPEAR ADVANTAGEOUS TO HAVE PILOTS WHO ARE EXPERIENCED IN ITS OPERATION AS WELL AS ADVANTAGEOUS FOR HQMC TO BE ABLE TO EVALUATE THE ACTUAL AIRBORNE EQUIPMENT AT AN EARLY DATE. THE USE OF HQMC PILOTS FOR THESE TWO AIRCRAFT WOULD ALSO BE ADVANTAGEOUS TO RADC IN THAT THE EQUIPMENT WOULD BE EVALUATED USING PILOTS TRAINED IN

CONFIDENTIAL

1616-35

0891

CONFIDENTIAL

NO RAIL SUBJECTS PRODUCTION ACCEPTANCE TEST OF THE B-57

OPERATIONAL PROCEDURES. FOR THESE REASONS, IT IS REQUESTED THAT
YOU CONSIDER ASSIGNING TWO PILOTS WITH EXPERIENCE IN F-8
AIRCRAFT FOR THESE TESTS.

YOUR COMMENTS AND SUGGESTIONS ARE WELCOMED IN THIS
MATTER.

FOR THE COMMANDER:

/s/ LEONARD W. PALMER
/t/ LEONARD W. PALMER
COLONEL, USAF
DIRECTOR
DIRECTORATE OF ELECTRONICS

CONFIDENTIAL

1010-75

0892

CONFIDENTIAL

ROME AIR CENTER, ROME, N.Y., BUENA-7, SUBJ: (BUA) PRODUCTION
ACCEPTANCE TEST OF THE W/OA-37

AWOFC (13 JUL 55) 1st IND 26 JUL 1955

HEADQUARTERS AIR DEFENSE COMMAND, ENT AFB, COLORADO SPRINGS, COLOR

TO: COMMANDER, EASTERN AIR DEFENSE FORCE, ATTN: MAJOR E. SMAY,
STEWART AIR FORCE BASE, NEWBURGH, N.Y.

1. AS INDICATED IN THE BASIC CORRESPONDENCE, THE DEGREE
OF SUPPORT WHICH COULD BE AFFORDED BY THIS COMMAND FOR THE
PRODUCTION ACCEPTANCE TEST OF THE W/OA-37 IS REQUESTED BY
ROME AIR DEVELOPMENT CENTER.

2. YOUR RECOMMENDATIONS AS TO MEETING THE REQUIREMENTS AS
OUTLINED IN PARAGRAPH C.A. AND B., OF THE BASIC CORRESPONDENCE
ARE DESIRED BY THIS HEADQUARTERS. MR. R. DEGENHARD, SAJC PROJECT
OFFICER FOR THE ACTIVITY, INDICATES THAT THE REQUIREMENT FOR
TWELVE AIRCRAFT FOR THE SIX SIMULTANEOUS INTERCEPTION PHASE WILL
BE ONLY FOR ONE OR TWO DAYS DURATION DURING THE TEST PROGRAM.

3. THE DETAILED SORTIE RATE HAS NOT YET BEEN RESOLVED, BUT
THIS FACTOR WILL BE DISCUSSED AT THE W/OA-37 SYMPOSIUM ON 26-27
JULY 1955 AT ROME AIR DEVELOPMENT CENTER.

BY ORDER OF THE COMMANDER:

/s/ R. E. PALMER
/t/ R. E. PALMER
MAJOR, USAF
ASST COMENR

CONFIDENTIAL

1016-55

0893

CONFIDENTIAL

J.W. FOUNTAIN, JR., N.Y., R. ENG-2, SUBJECT: PRODUCTION ACCIDENT
TEST OF THE (A-10)

EXC-110 (13 JUL 1955) 2ND INC 15 AUG 1955

C. CAUTION, AIR DEFENSE FORCE, STEWART AIR FORCE BASE, NEWBURGH, NY

R: COMMANDER, 32d AIR DIVISION (DEFENSE), SYRACUSE AIR FORCE
STATION, SYRACUSE, N.Y.

1. FORWARDED FOR YOUR INFORMATION AND NECESSARY ACTION.
2. DIRECT COORDINATION WITH MR. R. DEGENHARD, RADC IS AUTHORIZED RELATIVE TO THIS PROJECT.
3. REQUEST THIS HEADQUARTERS BE PROVIDED WITH INFORMATION AS TO THE DEGREE OF SUPPORT WHICH COULD BE OFFERED IN MEETING THE REQUIREMENTS REQUESTED BY ARDC.
4. THIS CORRESPONDENCE IS CLASSIFIED CONFIDENTIAL IN ACCORDANCE WITH PARAGRAPH 24a (3) AFR 205-1.

BY ORDER OF THE COMMANDER:

/s/ J.W. FOUNTAIN, JR.
/t/ J.W. FOUNTAIN, JR.
MAJOR, USAF
ASST ADJUTANT

CONFIDENTIAL

1616-55

0894

CONFIDENTIAL

MEMORANDUM FOR THE RECORD, BOSTON, MASS., 10 JULY 57, SUBJECT: INTERCEPTOR ASSIGNMENT
TEST OF THE F-102

DATE: 10 JULY 1957

FROM: DIRECTOR, 32d AIR DIVISION (DEFENSE), SYRACUSE AIR FORCE
STATION, SYRACUSE 6, NEW YORK

TO: COMMANDER, 4711th AIR DEFENSE WING, PRESQUE ISLE AIR
FORCE BASE, PRESQUE ISLE, MAINE

1. THE REQUIREMENTS OF BASIC LETTER ARE BEING PLACED SOLELY UPON YOUR COMMAND.
2. REFERENCE PARAGRAPH 3A, BASIC LETTER, IT IS SUGGESTED THAT THE 27TH FIGHTER INTERCEPTOR SQUADRON BE CHARGED WITH FURNISHING AIRCRAFT NECESSARY TO COMPLETE THE MISSION. THIS WOULD ALLOW BOTH THE 27TH FIGHTER INTERCEPTOR SQUADRON AND BOME AIR DEVELOPMENT CENTER TO COORDINATE WITH EFFICIENCY AND SIMPLICITY, AND BOMC COSTS WOULD BE HELD TO A MINIMUM. IF THE 27TH FIGHTER INTERCEPTOR SQUADRON IS UNABLE TO MEET THE REQUIREMENTS, "TARGET" AIRCRAFT COULD EASILY BE SUPPLEMENTED WITH F-102 AIRCRAFT ASSIGNED TO YOUR WING.
3. DIRECT COORDINATION WITH MR. R. DEGENNARD, BOME AIR DEVELOPMENT CENTER IS AUTHORIZED RELATIVE TO THIS PROJECT.

BY ORDER OF B.C. WARDEN:

/s/ ROBERT W. THOMPSON
1st LIEUTENANT, USAF
2006, 1947
ASSISTANT ADJUTANT

CONFIDENTIAL

1016-33

0895

CONFIDENTIAL

HEADQUARTERS
370 AIR DEVELOPMENT CENTER (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

OUT-FC

25 NOV 1955

SUBJECT: PRODUCTION ACCEPTANCE TEST OF THE W/AA-37

TO: COMMANDER
4711TH AIR DEFENSE WING
PRESQUE ISLE AIR FORCE BASE
PRESQUE ISLE, MAINE

1. REFERENCE OUR 3RD INDORSEMENT TO LETTER, (UNCLASSIFIED
(CONFIDENTIAL)), ROME AIR DEVELOPMENT CENTER, RUCM-2, DATED 13
JULY 1 55, SUBJECT AS ABOVE.

2. THE FOLLOWING MESSAGE FROM COMMANDER, RADC, GRIFFISS
AIR FORCE BASE, ROME, NEW YORK, IS QUOTED FOR YOUR INFORMATION
AND NECESSARY ACTION:

CONFIDENTIAL/RUCM-2-10-4,-2. THE DATE FOR THE
BEGINNING OF THE VOICE CON FLT TEST PORTION OF THE
PRODUCTION ACFT TESTS ON THE W/AA-37 AT RADC HAD BEEN
CHANGED FROM 15 NOV TO 4 JAN 56. THE MONTH OF DEC 1955
IS BEING RESCHEDULED FOR THE W/AA-37/4/AA-37 COM-
PATIBILITY TESTS USING THE 2 DATA LINK EQUIPPED F-37
TEST BED ACFT. THIS SCHED DOES NOT PERMIT THE GRANTING
OF FINAL ACFT AS PRIOR TO 15 FEB 56. THIS RESCHEDULING
OF THE PROGRAM IS DUE PRIMARILY TO THE INABILITY OF THE
ACFT TO MEET ITS SLVR DATE OF 04-37 TO RADC. ORIG THE
SLVR OF 04 TO RADC WAS SCHED FOR THE END OF OCT 1955.
IT IS PRESENTLY SCHED FOR SLVR BY 1 DEC 1955. IN VIEW OF
THIS DELAY IN SLVR IT IS BELIEVED THAT PRODUCTION SLVR
WILL BE DELAYED AT LEAST A LIKE AMOUNT. FOR RADC IT IS
INTENDED THAT THE DATA LINK PORTION OF THE TEST PROGRAM
WILL BE DONE UPON DURING THE MONTH OF DEC AND WILL BE
COMBINED WITH VOICE CONTROL TESTS BEGINNING IN JAN 56.
FOR W/AA AND W/AA AND TYNDALE, THE COMBAT PROGRAM
WILL BEGIN ABOUT 4 JAN 56 AT RADC. IT IS ANTICIPATED
THAT THIS COMBAT SUPPORT WILL BE NEEDED FOR APPROX 60

CONFIDENTIAL

72/2

0896

CONFIDENTIAL

1. 32d AFW, OCT-FC, SUBJ: PRODUCTION ACCEPTANCE TEST OF BE
M/A-37

DAYS. THIS COM FONE CON STW AND PARKER OF M/37
AND CAPT RICE OF AFW, ON 10 NOV 1955. FOR E/F
AND 32d AFW ACFT SUPPORT MENTIONED IN PARAG LETTER
LTD 13 JUL 1955 SUBJ PRODUCTION ACCEPTANCE TEST
OF THE M/A-37 WILL NOT BE REQUIRED UNTIL APPROX
10 JAN 56." SIGNED DIR OF E/ECT.

BY ORDER OF THE COMMANDER:

/s/ GEORGE T. DORRIS
/t/ GEORGE T. DORRIS
210LT, USAF
ASSISTANT ADJUTANT

CONFIDENTIAL

0897

CONFIDENTIAL

TO: SAC, NEW-YORK-2 SUBJECT: PRODUCTION ACCEPTANCE TEST OF THE
AN/MPN-37

INFO: (13 JUL 55) 4th Ind

RE: 47110 AIR DEFENSE WING, PRESIDE ISLE AIR, MAINE 13 OCT 1955

TO: COMMANDER, 320 AIR DIVISION (DEFENSE), SYRACUSE AIR FORCE
STATION, SYRACUSE 6, NEW YORK

IN REFERENCE TO PARAGRAPH 3, 2ND INCORPORATION, THIS HEAD-
QUARTERS WILL PROVIDE ALL OF THE SUPPORT REQUESTED BY AFDC
FOR THE PRODUCTION ACCEPTANCE TEST OF THE AN/MPN-37.

FOR THE COMMANDER:

/s/ CLAUDE W. STARR
MAJOR, USAF
ADJUTANT

INFO: (13 JUL 55) 5th Ind 7 Oct 1955

HEADQUARTERS, 320 AIR DIVISION (DEFENSE), SYRACUSE AIR FORCE
STATION, SYRACUSE 6, NEW YORK

TO: COMMANDER, EASTERN AIR DEFENSE FORCE, STEWART AIR FORCE
BASE, HENRICH, NEW YORK

FORWARDED FOR YOUR INFORMATION AND NOTATION OF 4TH
INCORPORATION.

FOR THE COMMANDER:

/s/ EVERETT W. HOWE
MAJOR, USAF
ADJUTANT

CONFIDENTIAL

1016-55

0898

CCPY

CCPY

HEADQUARTERS
EASTERN AIR DEFENSE FORCE
STEWART AIR FORCE BASE, NEWBURGH, N.Y.

EAOGE-CW

13 MAR 1956

SUBJECT: AN/GPS-37 CABLE REQUIREMENTS

TO: COMMANDER
32D AIR DIVISION (DEFENSE)
SYRACUSE AIR FORCE STATION
SYRACUSE 6, NEW YORK

1. INFORMATION RECEIVED FROM HEADQUARTERS AIR DEFENSE COMMAND INDICATES THAT A 20.KC BAND-WIDTH CIRCUIT IS REQUIRED FROM THE DATA LINK MULTIPLEXER IN THE SAGE ANNEX BUILDING TO ASSOCIATED TRANSMITTER IN THE TRANSMITTER BUILDING AT RADAR INSTALLATIONS PROGRAMMED FOR AN/GPA-37. EXISTING CABLES BETWEEN THE OPERATIONS BUILDING AND THE TRANSMITTER SITE WILL BE USED IF FEASIBLE.

2. REQUEST THIS HEADQUARTERS BE FRNISHED THE FOLLOWING DATA ON OR BEFORE 2 APRIL 1956, CONCERNING EXISTING CABLE BETWEEN THE OPERATIONS BUILDING AND THE TRANSMITTER SITES AT RADAR INSTALLATIONS IN YOUR COMMAND, PROGRAMMED FOR AN/GPA-37 IN PC 57-2-1:

- A. TYPE CALBE.
- B. WIRE SIZE.
- C. TOTAL NUMBER OF PAIR.
- D. NUMBER OF PAIR IN USE.
- E. CABLE LENGTH.
- F. SEPARATION DISTANCE BETWEEN OPERATIONS BUILDING AND TRANSMITTER BUILDING.

BY ORDER OF THE COMMANDER:

INFO: HEDADC

/s/ BEN D. MORHEAD
/t/ BEN D. MORHEAD
CAPTAIN, USAF
ASST ADJUTANT

72/3

0899

COPY

COPY

EADF EAOCE-01 SUBJECT: AN/GPA-37 CABLE REQUIREMENTS

OCE (13 MAR 56)

1ST IND

19 MAR 1956

HQ 32D AIR DIVISION (DEFENSE), SYRACUSE AIR FORCE STATION, SYRACUSE 6,
NEW YORK

TO: COMMANDER, 14TH FIGHTER GROUP, PRESQUE ISLE AIR FORCE BASE,
PRESQUE ISLE, MAINE

1. FORWARDED FOR COMPLIANCE WITH PARAGRAPH 2, BASIC LETTER.
2. THE 654TH, 765TH, 766TH AND 907TH ACNRON'S ARE PROGRAMMED FOR THE CITED EQUIPMENTS.

BY ORDER OF THE COMMANDER:

/s/ GEORGE F. DORMER
/i/ GEORGE F. DORMER
2NDLT, USAF
ASSISTANT ADJUTANT

COPY

COPY

EADT EAOE-UN SUBJECT: AN/GPA-37 CABLE REQUIREMENTS

OCE (13 MAR 56) 1ST IND 19 MAR 1956

HQ 32D AIR DIVISION (DEFENSE), SYRACUSE AIR FORCE STATION, SYR 6,
NEW YORK

TO: COMMANDER, 23D FIGHTER GROUP, PRESQUE ISLE AIR FORCE BASE,
PRESQUE ISLE, MAINE

1. FORWARDED FOR COMPLIANCE WITH PARAGRAPH 2, BASIC LETTER.
2. THE 655TH, 764TH AND 911TH AC&W SQUADRONS ARE PROGRAMMED FOR THE CITED EQUIPMENT.

BY ORDER OF THE COMMANDER:

/s/ GEORGE T. DORMER
/t/ GEORGE T. DORMER
2ND LT, USAF
ASSISTANT ADJUTANT

COPY

COPY

HEADQUARTERS
EASTERN AIR DEFENSE FORCE
STEWART AIR FORCE BASE, NEWBURGH, N. Y.

EACCE-ER

22 MAY 1956

SUBJECT: REVISED ADC AN/GPA-37 PROGRAM

TO: COMMANDERS, AIR DIVISIONS (DEFENSE)
ATTN: DIR OF COMM & ELCT

1. FORWARDED FOR YOUR INFORMATION ARE COPIES OF THE REVISED AN/GPA-37 PROGRAM FOR EADF SITES IN THE CONTINENTAL UNITED STATES. REQUIREMENTS FOR SITES IN CANADA ARE PRESENTLY UNDER STUDY. THIS REVISED PROGRAM IS BASED ON CURRENT ESTIMATED BENEFICIAL OCCUPANCY DATES OF THE OPERATIONS BUILDING ANNEXES (INCL 1), THE AN/FST-2 INSTALLATION SCHEDULE, AND THE CURRENT ESTIMATED DELIVERY DATES FOR THE AN/GPA-37 EQUIPMENT AS PRESENTED AT THE AOW PHASING GROUP MEETING 25-26 APRIL 1956.

2. REQUEST THIS INFORMATION BE DISSEMINATED TO ALL SQUADRONS. SQUADRONS WILL BE REQUIRED TO SUBMIT CORRECTIONS TO THE PC DOCUMENT WHERE REQUIRED BY DATA CONTAINED IN INCLOSURE NUMBER 2, AN/GPA-37 PROGRAM ESTIMATED OPERATIONAL DATES. CORRECTIONS WILL BE SUBMITTED ON FORM 1295A TO ARRIVE AT THIS HEADQUARTERS IN SEVEN (7) COPIES, NOT LATER THAN 25 JUNE 1956.

BY ORDER OF THE COMMANDER:

2 INCLS (4 CYS EA)
1. ANNEX PROGRAM, EST
BOD'S, 19 APR 56
2. AN/GPA-37 PROGRAM,
EST CPRL DTD, 3
MAY 56

/s/t/ JW FOUNTAIN, JR.
MAJOR, USAF
ASST ADJUTANT

72/H

0902

C O P Y

C O P Y

HQ EADF EA00E-ER SUBJECT: REVISED ADC AN/GPA-37 PROGRAM

OCE (22 MAY 56)

1ST IND

29 MAY 1956

HQ 32D AIR DIVISION (DEFENSE), SYRACUSE AIR FORCE STATION, SYRACUSE 6,
NEW YORK

TO: COMMANDER, 14TH FIGHTER GROUP, ETHAN ALLEN AIR FORCE BASE,
WINOOSKI, VERMONT, COMDR 23D FTR GP, PRESQUE ISLE AFB, ME.

1. FORWARDED FOR DISSEMINATION TO AOWRONS CONCERNED.
2. REFERENCE PARAGRAPH 2, BASIC LETTER, CORRECTIONS TO THE
PC DOCUMENT WILL BE SUBMITTED TO THIS HEADQUARTERS IN EIGHT (8)
COPIES NOT LATER THAN 20 JUNE 1956.

BY ORDER OF THE COMMANDER:

2 INCLS
W/D 3 CYS EA

/s/ LEONARD R. CORDREY
/t/ LEONARD R. CORDREY
CWO-W3, USAF
ASST ADJUTANT

