

Wes
Wes

R E P O R T O F O P E R A T I O N A L
D A Y

MISSION No. **244**

Date: **8 APR. 45**

TO: **HALBERSTADT, GER.**

T A B L E O F C O N T E N T S

I. MISSION SUMMARY REPORT

- A. Narrative of Mission (with Supplementary Data)
- B. Formation Sheets (On Takeoff and over Target)
- C. Lead Navigators Narrative.
- D. Lead Navigators Log.
- E. Track Chart.

II. STATISTICAL SUMMARY OF OPERATIONS

- A. Statistics of Units Participating.
- B. Statistics of Bombing Run (WDAG Form 12E Modified)
- C. Communications Report.
 - (1) Navigational Aids Used.
 - (2) Equipment Failures.
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401ST BOMBARDMENT GROUP (H)

R E P O R T O F O P E R A T I O N A L
D A Y

MISSION SUMMARY REPORT

MISSION # 244

Date 8 April 1945

ASSIGNMENT

- 1. Assigned Target: (#1) LERBST, GERMANY (A/F)
- 2. Commitments: The 401st Group furnished the complete 36 A/C 94th "B" Group. Two PFF were included in the lead squadron, with one in each of the other two. A spare accompanied the lead and high squadrons.

EXECUTION

- 1. Target Bombed: (#2) HALBERSTADT, GERMANY
- 2. a. Group Leader: Major J. D. STRAUSS (Seder)
 - Lead Navigator: Capt. A. SHAPIRO (Dean - MO)
 - Extra Navigator: 2nd Lt. D. L. PATRICK
 - Lead Bombardier: Capt. R. R. WINN
- b. Low Squadron Leader: 1st Lt. A. K. WOLF
 - Lead Navigator: 1st Lt. L. L. HOAG, JR. (Tharpe @ MO)
 - Lead Bombardier: 2nd Lt. G. HASHIMOTO
- c. High Squadron Leader: 1st Lt. E. A. POST
 - Lead Navigator: 1st Lt. L. F. STEWART (Jenkins - MO)
 - Lead Bombardier: 1st Lt. F. CONWAY

3. Flight Over England:

a. Takeoff:

On takeoff there was a very low ceiling at about 400', so the group climbed through the overcast and was on top at about 3,000' and in the clear. All ships took off successfully.

Mission Summary Report (Cont'd)3. b. Squadron and Group Assemblies:

Assemblies were good and made very fast. 94th "B" left the buncher on time but was short one ship in the high and one in the low. The spares were at the assembly. Although Cottimore was departed on time the group was north of course.

c. Route Over England:

The two late ships pulled into formation before we reached the first turn. The route over England was almost as briefed except 94th "B" had to dodge third division groups forming on its course and at its altitude, 6000 ft. The group flew a little to the left of course to miss these coming groups. 94th "B" fell into wing formation before Pt. "D".

4. Attack:a. Flight to Target:

The route over the channel was as briefed. The group did one double drift to fall into its briefed # 8 position in the division column and this made it late at the control points. The division leader did a double drift, 94th "B" followed to keep from over running the group in front. "Buckeye Red" said the # 1 target was overcast so 94th "B" headed for # 2 target, which he said was overcast also. The group started the run from the IP of the primary target. Target # 2 was clear, but 94th "B" bombed in group formation since Buckeye Red had said that the target would be overcast and H2X bombing was anticipated.

b. Bombing Run:

Approximately forty-miles from the primary IP the Air Commander called that the group would bomb target No. 2 by H2X. The turn was made at the IP with all three squadrons in group formation. Cloud coverage was nil to 2/10 and the target city could be seen from the IP. The lead bombardier took over from the Mickey operator after two check points. The target city could be identified but the MPI and surrounding area was completely covered by smoke. Using visual reference points the cross hairs were placed on the MPI, bombs away at 1145. AFCE worked satisfactorily. The leader salvoed, all others used 140ft. intervalometer setting.

c. Flight from Target:

Was as briefed. 94th "B" bombed in group so there was no rally. It let down to 5000 ft. over Belgium.

d. Return to Base:

The group crossed in at 5000 ft. and held that altitude to the Division break up, where it continued to let down to 2000 ft. at the group break up. All ships landed safely at home base.

Mission Summary Report (Cont'd)4. e. Weather:

Weather from continental coast was 8/10 to approximately 7° E, breaking up and becoming clear from Rhine River on into target. Substantially the same conditions prevailing on route back.

f. Fighter Support:

Fighter support was excellent.

g. Comments on Formation and Interval:

Formation was good to the target. We had a good bombing formation at bombs away. The formation was rather scattered out loose from the target back to the base.

h. Conclusions and Recommendations:

None.

5. Aircraft Not Attacking:

All scheduled A/C attacked the target.

6. Enemy Opposition:

No enemy air or ground opposition seen or encountered.

7. Battle Damage:

None.

8. Casualties:

None.

9. Statistical Summary of Operations: (See attached form)10. Bombing Data:a. Observations:

From strike photos available patterns appear good but are approximately 2,000 feet short of assigned MPI. Target area considerable smoked up from bombs of preceding groups and accurate assessment difficult.

b. Disposition of Bombs:Lead Squadron:

All 12 scheduled A/C attacked, dropping 72 x 500# RDX and 48 x 500# IB bombs. The spare returned 6 RDX's and 4 IB's to base.

Mission Summary Report (Cont'd)

10. b. Disposition of Bombs: (Cont'd)

Low Squadron:

All 12 scheduled A/C attacked the target, dropping 72 X 500# RDX and 48 X 500# IB bombs.

High Squadron:

All 12 scheduled A/C attacked the target, dropping 48 X 150# T-1, 6 X 500# RDX and 4 X 500# IB bombs. The spare returned 38 X 150# T-1 bombs to base.

10. c. Tabular Summary of Disposition of Bombs:

	Aircraft		Bombs				
	Over Target	Bombing	Number	Size	Type	Fusing	
						Nose	Tail
Main Bombfall	36	36	(411	150#	T-1	1/100	--
			(5	150#	T-1	1/40	--
			(150	500#	RDX	1/10	1/100
			(100	500#	IB	--	--
Other Attacks	-	-	-	-	-	--	--
Total Bombs on Target			(411	150#	T-1	1/100	--
			(5	150#	T-1	1/40	--
			(150	500#	RDX	1/10	1/100
			(100	500#	IB	--	--
Other Expenditures			-	-	-	--	--
Bombs Returned			38	150#	T-1	1/100	--
			6	500#	RDX	1/10	1/100
			4	500#	IB	--	--
Total (Loaded on A/C Taking Off)			449	150#	T-1	1/100	--
			5	150#	T-1	1/40	--
			156	500#	RDX	1/10	1/100
			104	500#	IB	--	--

11. Lost Aircraft:

None.

Submitted By:

KEN W. DAUBLE,
 Captain, Air Corps,
 Statistical Officer.

HALBERSTADT

LEAD SQ

PATTERN: UNABLE TO ASSESS
ACTUAL MPI: (APPROX) 1500 RIGHT
1500 SHORT

LOW SQ

UNABLE TO ASSESS
LOST IN SMOKE TO
RIGHT OF LEAD SQ

HIGH SQ

PATTERN: 1160 X 3200
ACTUAL MPI: 2000 SHORT
640 LEFT



ACTUAL MPI
HIGH

ASSIGNED MPI

ACTUAL MPI
LEAD

LOW (?)

LEAD SQDN 94 B GROUP

Combat Sq. Leader: MAJ STRAUSS Date: 8 April 45

Deputy Sq. Leader: LT BENNETT

Deputy Gp. Leader: LT BENNETT

- 612 SC JAWOCK
- 613 IN MACRO
- 614 IW GOLFCLUB
- 615 IY BUZZARD

SEDER (STRAUSS)

648

REINHARD

151

BENNETT

153

SALISBURY

322

BABCOCK

565

AYRE

931

GIBSON

468

SCIMECA

077

HOWLTH

478

SORENSEN

791

PARK

602

JAMES

012

SPARES

GRAY

780

(RET)

401st BOMB GROUP (H)
TAKEOFF & OVER TARGET

SPARE LEADS:

GROUND SPARES:

HIGH SQ 94TH B GROUP

Combat Sq. Leader: LT POST Date: 8 April 45

Deputy Sq. Leader: LT TOBIN

Deputy Gp. Leader: LT BECKETT

- 612 SC JABWOCK
- 613 IN MACEO
- 614 IW GOLFCUB
- 615 IY BUZZARD

POST

653

LEAF

993

TOBIN

947

SMITH

506

STEPHENS

113

AHLERS

891

HAZELTON

541

HOLT

610

MORAN

398

HOWARD

662

HARVESON

393

KAMPER

039

SPARES

GUY

664

(RET)

401st BOMB GROUP (H)
TAKEOFF & OVER TARGET

SPARE LEADS:

GROUND SPARES:

LOW SQ 94TH B GROUP

Combat Sq. Leader: LT WOLF Date: 8 April 45

Deputy Sq. Leader: LT HARTSOCK

Deputy Gp. Leader: LT BENNETT

- 612 SC JABWOCK
- 613 IN MACRO
- 614 IW GOLFCUB
- 615 IY BUZZARD

WOLF
708

MC KENNEY
313

HARTSOCK
148

LITCHFIELD
842

SHEPHERD
458

KERKES
125

BERNEBURG
677

LOVELACE
862

LEVY
588

MAHARICK
591

EVANS
706

FORD
145

SPARES

401st BOMB GROUP (H)

TAKEOFF & OVER TARGET

SPARE LEADS:

GROUND SPARES:

HEADQUARTERS
FOUR HUNDRED FIRST BOMBARDMENT GROUP (H) **Lead Sq.**
Office of the Navigation Officer

Date 8 April 1945

SUBJECT: Lead Navigator's Narrative of Raid on Halberstadt

TO : Commanding Officer, 401st Bombardment Group (H), APO 557,
U. S. Army.

1. Flight plan and Log attached.
2. Track chart attached.
3. Narrative:

- a. T/O at 0555 hours.
- b. Group formed at 0655 hours on Cottesmore buncher.
at 6,000 ft.
- c. Wing assembly was completed at 0708 hours at 52-46N 8-10W.
- d. Route over England was (not) flown as briefed.

"G" turns to lose time.

- e. Methods of navigation over England.
D.R., 600

- f. Division formation was joined at 0815 hrs. at Dungeness
- g. Flight to I.P. was (not) as briefed.

- h. Methods of navigation to the I. P.
D.R., 600, IFF, Pilotage

- i. Bomb run.

- (1) Actual I. P. was (not) as briefed.
No. 2 target bombed

- (2) True heading over target 27
- (3) Actual drift 7L
- (4) Altitude over target 20,000
- (5) Time bombs away 1145
- (6) Wind used for bombing 35/39
- (7) Method of target identification.
Visual

(8) Difficulties on bomb run.

None

(9) Weather over Target.

0-2/10ths

(10) Axis of withdrawal 327

- j. Group rally was accomplished at _____ at _____ hrs.
- k. Wing rally was accomplished at Wernigerode at 1156 hrs.
- l. Division rally was accomplished at " at " hrs.
- m. Flight home was (not) as briefed.

~~xxx~~
From No. 2 target 7 to 0 mi right of course
to C.P. #4.

n. Methods of navigation on return route.

D.R., Gee, FFF, Pilotage

- o. Winds aloft were (not) called out to the formation.
- p. Fighter rendezvous were ~~xxxx~~ (not) as briefed.

q. Performance of equipment.

- (1) Mickey **OK**
- (2) Gee **OK**
- (3) Radio Compass **OK**
- (4) Fluxgate **OK**
- (5) Other equipment. ~~xxxx~~ **API - Latitude counter out.**
Radio altimeter out.

~~/S/ A. Shapiro - D. L. Patrick~~
~~A. SHAPIRO - D. L. PATRICK~~
~~Capt., A. G. 1st Lt., A. G.~~

Lead Navigator, **Lead Sq.**

HEADQUARTERS
FOUR HUNDRED FIRST LOMBARDMENT GROUP (H)
Office of the Navigation Officer

Low Sq.

Date 8 April 1945

SUBJECT: Lead Navigator's Narrative of Raid on Halberstadt

TO : Commanding Officer, 401st Lombardment Group (H), AFO 557,
U. S. Army.

- 1. Flight plan and Log attached.
- 2. Track chart attached.
- 3. Narrative:

- a. T/O at 0556 hours.
- b. Group formed at 0556 at 0700 hours on 0600 buncher.
at 6000 ft.
- c. Wing assembly was completed at 0700 hours at 52-46 00-10W
- d. Route over England was (not) flown as briefed.

"g" turns to lose time

- e. Methods of navigation over England.

D.R., Gee

- f. Division formation was joined at 0815 hrs. at Dungeness
- g. Flight to I.P. was (not) as briefed.

- h. Methods of navigation to the I. P.

Pilotage

- i. Bomb run.

- (1) Actual I. P. was (not) as briefed.

No. 2 target bombed

- (2) True heading over target 23
- (3) Actual drift 11.5
- (4) Altitude over target 19600
- (5) Time bombs away 1145
- (6) Wind used for bombing 25/48
- (7) Method of target identification.

Pilotage

(8) Difficulties on bomb run.

None

(9) Weather over Target.

3/10ths coverage. Lots of smoke

(10) Axis of withdrawal 23 TH

- j. Group rally was accomplished at _____ at _____ hrs.
- k. Wing rally was accomplished at Vernigerode at 1156 hrs.
- l. Division rally was accomplished at " at " hrs.
- m. Flight home was ~~(not)~~ as briefed.

From #2 target to C.P. #4, 7 to 0 mi. right of course.

n. Methods of navigation on return route.

D.R., Pilotage.

- o. Winds aloft were ~~(not)~~ called out to the formation.
- p. Fighter rendezvous were ~~(not)~~ as briefed.

q. Performance of equipment.

- (1) Mickey ^{OK}
- (2) Gee ^{Out on Continent}
- (3) Radio Compass ^{Out}
- (4) Fluxgate ^{OK}
- (5) Other equipment. ^{OK}

/s/ Carl T. Hoag
CARL T. HOAG
1st Lt., A. C.

Lead Navigator, Low Sq.

HEADQUARTERS
FOUR HUNDRED FIRST BOMBARDMENT GROUP (H)
Office of the Navigation Officer

High

Date 8 April 1945

SUBJECT: Lead Navigator's Narrative of Raid on Halberstadt

TO : Commanding Officer, 401st Bombardment Group (H), APO 557,
U. S. Army.

1. Flight plan and Log attached.
2. Track chart attached.
3. Narrative:

- a. T/O at 0555 hours.
- b. Group formed at 0645 hours on Cottesmore buncher.
at 6,000 ft.
- c. Wing assembly was completed at 07:5 hours at 52-06N 00-49W
- d. Route over England was (not) flown as briefed.

"3" turns to lose time

- e. Methods of navigation over England.

Mickey, D.R.

- f. Division formation was joined at 0816 hrs. at Dungeress.
- g. Flight to I.P. was (not) as briefed.

- h. Methods of navigation to the I. P.

Mickey, Pilotage, D.R., Gee

- i. Bomb run.

- (1) Actual I. P. was (not) as briefed.

#2 target.

- (2) True heading over target 022.
- (3) Actual drift 10 L.
- (4) Altitude over target 20500.
- (5) Time bombs away 1145.
- (6) Wind used for bombing 70/40.
- (7) Method of target identification.

Pilotage, Mickey and Gee

(8) Difficulties on bomb run.

None

(9) Weather over Target.

Clear, except for smoke

(10) Axis of withdrawal 220

- j. Group rally was accomplished at Target at 1145 hrs.
- k. Wing rally was accomplished at Wernigerode at 1156 hrs.
- l. Division rally was accomplished at " at " hrs.
- m. Flight home was (~~xxx~~) as briefed.

From target to CP 4 slightly right of course.

n. Methods of navigation on return route.

Pilotage, Gee, D.R., Mickey

- o. Winds aloft were (~~xxx~~) called out to the formation.
- p. Fighter rendezvous were (~~xxx~~) as briefed.

q. Performance of equipment.

- (1) Mickey OK
- (2) Gee OK
- (3) Radio Compass OK
- (4) Fluxgate OK
- (5) Other equipment. OK

/s/ Leon F. Stewart
LEON F. STEWART
1st Lt., A. C.

Lead Navigator, High Sq.

FLIGHT PLAN

HYAICV101

PILOT Captain Seder NAVIGATOR Capt. A. Shapiro - Lt. D. L. Patrick DATE 6 April 1945

STATIONS	0435	ENCINES	0535	TAXI	0545	T.O.	0555
LEAVE BASE	Cott.		0700				
COAST OUT			0814				
ENEMY COAST			0912				
I.P.			1120				
TARGET			1132				
ENEMY COAST			1339				
Eng. Coast			1430				BTB 1513

SUN		MOON		TWILIGHT	
Rises	Sets	Rises	Sets	AM	PM

WATCH..... Fast Slow RATE.....secs/hour Gaining Losing
At..... G.M.T.

FROM	W/V	HEIGHT	IAS	T.A.S.	COURSE	DRIFT	TRUE	VAR.	MAG.	G.S.	DIST.	TIME	E.T.A.	CELESTIAL DATA			
TO	UESD		MPH	(K)		FT	HDNG.		HDNG.					TIME	BODY	ALT.	AZI.
Cottmore (Y)	90/11	6000	150	140	075	A1	076	A11	087	129	11	05	0700				
Bourne (Y)	"	"	"	"	"	"	"	"	"	"	"	"	0705				
52-37N 00-22E	"	"	"	119	129	-2	117	A10	127	129	41	19	0724				
52-27N 00-38E	"	"	"	140	164	-5	159	A10	169	137	22	10 -1	0733				
52-06N 00-48E	"	"	"	"	213	-4	209	A10	219	146	40	16 1/2 A	0750				
51-33N 00-12E	"	"	"	"	163	-4	159	A10	169	137	32	14 A	0805				
51-02N 00-27E	"	"	"	"	110	-2	108	A9	117	130	21	10 -1	0814	C.P. #1			
50-55N 00-58E	052/15	6000	150	140	097	-5	092	A8	100	129	127	59	0912	#2			
50-41N 04-15E	"	"	"	"	"	"	"	"	"	"	"	"	"	"			
50-30N 07-00E	054/15	8000	150	143	096	-4	092	A7	099	132	106	48	1001				
50-31N 09-17E	060/18	18000	"	170	076	-2	074	A6	080	152	91	36 A	1040	#3			
51-29N 11-19E	060/24	20000	"	173	064	-1	063	05	068	148	85	34	1114				
IP 51-37N 11-39E	060/25	20000	"	175	056	A1	087	04	061	150	16	06	1120				
Tar. 52-00N 12-08E	050/25	"	"	"	039	A2	041	04	045	150	30	12	1132				
52-17N 11-58E	"	"	"	"	339	A8	347	04	351	166	19	07	1139				
52-24N 11-37E	"	"	"	"	299	A8	307	04	311	183	15	05	1144				
51-51N 10-43E	"	20000	"	"	225	-1	224	04	228	199	47	14 A	1159				
50-52N 09-17E	060/22	15000	170	192	223	-2	221	05	226	213	35 79	10 24	1224	#4			
50-30N 07-00E	060/15	5000	170	170	256	A1	257	06	263	184	62 90	20 31 A	1256				
50-41N 04-15E	090/10	"	150	138	276	0	276	07	283	148	106	43	1339	#5			
Dungeness	"	"	"	138	277	0	277	08	285	148	126	51	1430				
Wistech	"	300	"	138	290	A1	291	10	301	147	21	8	1438				
Base	"	"	"	134	354	A2	356	10	006	136	99	22	1500				
				134	249	-2	247	10	257	138	50	12	1513	BTB			

FLIGHT RECORD

TIME	COURSE	W/V USED &/OR D.R. DRIF.	TRUE HDNG.	MAG. HDNG.	NAVIGATIONAL OBSERVATION	GENERAL OBSERVATION	I.A.S. MPH /K	HEIGHT & AIR TEMP.	T.A.S.	RUN		G.S.	TO RUN		E.T.A.
										DIST.	TIME		DIST.	TIME	
0552					Take Off	WVF 51/16									
0554					52-32N 00-37E		150								
0607					Going to Cottmore		150	6000	143						
0610 1/2					Circling over Cottmore. Re-set API		150	6000	143						
1616					5 mi. north of Dunbar	52-47N 00-35E	150	143							
0628					2 mi. south of Dunbar			6000							
0634					API wind 75.13K				137 (P)						
0638 1/2					52-41N 00-41E		150	6000	143						
0655					Group 34 ships										
0700			075		02 Depart Cottmore	52-43N 00-43E	150	6000	35 ships	128	13 1/2	06 1/2	0706 1/2		
0705			075		52-46 1/2 N 00-29E		150	6000	143	12	05	135			
0705	119	051/16K	113				150	6000	141			135	41	18	0723
0708			113		52-46N 00-10W. Wing formation		150	6000							
0717			126		52-40N 00-18E. Turnin to get behind Polebrook										
0722			126		Turning to keep inside		150	6000		127	22	10 1/2	0733 1/2		

COAST OUT	0912
ENEMY COAST	0912
I.P.	1120
TARGET	1132
ENEMY COAST	1339
Eng. Coast	1430

Rises	Sets	Rises	Sets	AM	PM

WATCH..... Fast Slow RATE.....secs/hour Gaining Losing
At..... C.M.T.

FROM end 600 Y TO 52-44N 00-39W	W/V UESD	HEIGHT	I.A.S. MPH /K	T. A.S. (K)	COURSE	DRI-FT	TRUE HDNG.	VAR.	MAG. HDNG.	G. S.	DIST.	TIME	E.T.A.	CELESTIAL DATA		
													TIME	BODY	ALT.	AZI.
Cottesmore (Y)	090/11	6000	150	140	075	A	076	A11	087	129	11	05	0700			
Bourne (-)	"	"	"	"	"	"	"	"	"	"	"	"	0705			
52-37N 00-22W	"	"	"	119	219	-2	117	A10	127	129	41	19	0724			
52-27N 00-38E	"	"	"	140	164	-5	159	A10	169	137	22	10 -1	0733			
Levenham (E)	"	"	"	"	213	-4	209	A10	219	146	40	16 1/2 A	0750			
52-06N 00-48E	"	"	"	"	163	-4	159	A10	169	137	32	14 A1	0805			
Hornchurch (F)	"	"	"	"	110	-2	106	A9	117	130	21	10 -1	0814	C.P. #1		
51-33N 00-12W	"	"	"	"	140	-5	092	A8	100	129	127	39	0912	#2		
51-02N 00-27E	"	"	"	"	143	-4	092	A7	099	132	106	48	1001			
C.P. #1 Dungeness	"	"	"	"	170	-2	074	A6	080	152	91	36 A3	1040	#3		
50-55N 00-58E	052/15	6000	150	140	097	-5	092	A8	100	129	127	39	0912	#2		
50-41N 04-15E	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
50-30N 07-00E	054/15	8000	150	143	096	-4	092	A7	099	132	106	48	1001			
"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
50-51N 09-17E	060/18	18000	"	170	076	-2	074	A6	080	152	91	36 A3	1040	#3		
"	"	begin climb	"	"	"	"	"	"	"	"	"	"	"	"	"	"
51-29N 11-19E	060/24	20000	"	173	064	-1	063	05	068	148	85	34	1114			
"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
IP 51-37N 11-39E	060/25	20000	"	175	056	A1	087	04	061	150	16	06	1120			
"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
Tar. 52-00N 12-08E	050/25	"	"	"	039	A2	041	04	045	150	30	12	1132			
"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
52-17N 11-58E	"	"	"	"	339	A8	347	04	351	166	19	07	1139			
"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
52-24N 11-37E	"	"	"	"	299	A8	307	04	311	183	15	05	1144			
"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
51-51N 10-43E	"	20000	"	"	225	-1	224	04	228	199	47	14 A1	1159			
"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
50-52N 09-17E	060/22	15000	170	192	223	-2	221	05	226	213	35 79	10 24	1224	#4		
"	"	"	"	161	"	-2	"	"	"	182	44	14	"	"	"	"
50-30N 07-00E	060/15	5000	"	170	256	A1	257	06	263	184	62 90	20 31 A1	1256			
"	"	"	"	138	"	A2	258	"	264	152	28	11	"	"	"	"
50-41N 04-15E	090/10	"	150	138	276	0	276	07	283	148	106	43	1339	#5		
Dungeness	"	"	"	138	277	0	277	08	285	148	126	51	1430			
Isl. #8	"	"	"	138	290	A1	291	10	301	147	41	8	1438			
Wistich	"	300	"	134	354	A2	356	10	006	136	99	22	1500			
Base	"	"	"	134	249	-2	247	10	257	138	70	12	1513			

FLIGHT RECORD

TIME	COURSE	W/V USED &/OR D.R. DRIF.	TRUE HDNG.	MAG. HDNG.	NAVIGATIONAL OBSERVATION	GENERAL OBSERVATION	I.A.S. MPH /K	HEIGHT & AIR TEMP.	T. A.S.	RUN		G. S.	TO RUN		E.T.A.
										DIST.	TIME		DIST.	TIME	
0552					Take Off VHF 51/16										
0554					52-32N 00-37E		150								
0607					Going to Cottesmore		150	6000	143						
0610 1/2					Circling over Cottesmore. Re-set API		150	6000	143						
1616					5 mi. north of Duncker 52-47N 00-35W		150	143							
0628					2 mi. south of Duncker			6000							
0634					API wind 75.13K				137 (7)						
0638 1/2					52-41N 00-41W		150	6000	143						
0655					Group 34 ships										
0700			075		Depart Cottesmore 52-43N 00-43W		150	6000	35 ships	128	13 1/2	06 1/2	0706 1/2		
0705			075		52-46 1/2N 00-25W		150	6000	143	12	05	185			
0705	119	051/16K	113				150	6000	141			135	41	18	0723
0708			113		52-46N 00-10W. Wing formation		150	6000							
0717			126		52-40N 00-18E. Turnin to get behind Polebrook										
0722			126		Turning to keep inside		150	6000				127	22	10 1/2	0732 1/2

FLIGHT RECORD

TIME	COURSE	W/V USED &/OR D.R. DRIF.	TRUE HDNC.	MAC. HDNC.	NAVICATIONAL OBSERVATION	GENERAL OBSERVATION	I.A.S. MPH. /K	HEIGHT & AIR TEMP.	T.A.S.	RUN		C. S.	TO RUN		E.T.A.
										DIST.	TIME		DIST.	TIME	
0722	162/15E		164		"A" doing double drift		150	6000				127	22	10	0732 1/2
0723					52-32N 00-38E										
0730			164		Re-set API 52-17N 00-48E		150								
0732			170		Stay on heading to swing wide of Pt. E. Group forcing.										
0735			170		52-06N 00-53E										
0735			205		not staying on constant heading.										
0737			220		Turning to avoid group forcing.										
0739			208		Correcting to course										
0740			208		51-54N 00-41E		150	6000				131	28	13	0753
0745			208		51-44N 00-30E, G.										
0751			208		51-36N 00-46E			6000							
0751	191	-3	188		Joining division							128	32	15	0806
0756			188		51-17N 00-16E										
0800			143		Heading on Sol. #8		150	6000 72							
0805			143		Pt. F.										
0805		45	135		API not working		150	6000 72	142			133	21	10	0815
0815			110		C.P. #1, on course, 1 late		150								
0815			95					6000				135	23	10	0825 Const
0826			95												
0827			95		Gape Gire Nez		150	8000				135	103	45 1/2	0912 1/2
0836			97		50-53N 02-06E		150	6000	143						
0839		Wickey 165/14	110		50-50 N 02-12E, Pilotage		145	6000		24	12	120			
0841			100												
0842			100		50-49N 02-23E, H2A										
0853		85/54 G.	100		50-46 1/2N 02-55E		150	6000				108	51 1/2	28 1/2	0921 1/2
0858		114/33 Air plot	100		50-44 1/2N 03-11E										
0903					50-44 1/2N 03-30E		150	6000				108	29	16	0919
0908 1/2		147/13 Geo	100		50-42N 03-49E										
0913					Double drift to left										
0919		(130/45)			C. P. #2. 8° north, 7° late		150	800				125	106	51 1/2	1010 1/2
0923			140		still on double drift										
0924					50-46N 04-27E										
0928			100		50-39N 04-43E		150	7000							
0935			100		50-38N 05-24E		150	8000 0	147			125	75	36 1/2	1011 1/2
0940					Doing another double drift to get behind Polebrook.										
0950		-8 1/2	135		50-30N 05-39E		150	8000							
0953			100												
0957			100		50-34N 05-59E			8000	147						
1000		99 A	100		Back on original heading		150	8000	147			135	55	24 1/2	
1009 1/2		90/26E Drift on 2 hds	100		50-27N 06-33E.			5000							
1015			100		50-27N 06-53		150	8000 0	147						

FLIGHT RECORD

TIME	COURSE	W/V USED &/OR D.R. DRIF.	TRUE HDNC.	MAC. HDNC.	NAVIGATIONAL OBSERVATION	GENERAL OBSERVATION	IAS. MPH. /K	HEIGHT & AIR TEMP	T.A.S.	RUN		C. S.	TO RUN		E.T.A.
										DIST.	TIME		DIST.	TIME	
1156			213		51-55N 10-27E		170	19000							
1159			213		51-45N 10-13E 122 11 balloons to protect base		170	19000							
1202			240		Correcting to course		165	18000	(194)						
1205			210		51-22N 09-35E										
1211			216		On course										
1213			216		51-03N 09-31E		170	14000							
1214			216		C.P. #3, on course, 8' early			13500							
1216	256	-1	255								285	90	30	1246	
1222			255		Harburg 50-48N 08-47E										
1230			255		50-43N 08-12E		150	11500							
1242	83/46		250		50-36N 07-13E		150	10000	154						
1244			250				150	11000							
1244	276		277				155	11000			192	106	33	1317	
1253			51-34N 06-05E					9000							
1256			277		50-34N 05-51E		150	8000			192	62	19	1315	
1304			270				150	8000			187	18	06	1317	
1318			270		C.P. #5, on course, 21 min early										
1328	83/42		274								187	126	40	1350	Eng. Out.
1325			274		50-44N 03-45E, H2E		150	8000							
1330			280												
1332			280		Lille, Pilotage		150	8000			187	35	27	1357	
1345	278	1/2	280		50-47N 03-23E, Pilotage		150	8000	147						
1349	65/28, Sec						150	8000							
1353			270		Over coast, letting down. On course		170	8000							
1401			270		Dungeness		150	6500							
1401	83/12		293		Surface wind			6500			155	21	8	1410	
1410			350		Sp1. #8										
1410			350				150	6500	146		146	96	39	1450	
1418			350		51-19N 11-12E		150	6500							
1426			350		51-40N 00-01E		150	6500							
1430			350		Letting down again		150	5000							
1431			350		51-52N 00-06E		150	5000							
1447			050		Craften Underwood. Turning to base			2000							
1449					Over base										
1450					Land										

I certify that this is a true copy of the Lead Navigator's Log.

JAMES P. EGAN
 Major, A. C.
 Group Navigation Officer
 SIGNED _____ NAVIGATOR

TRACK CHART

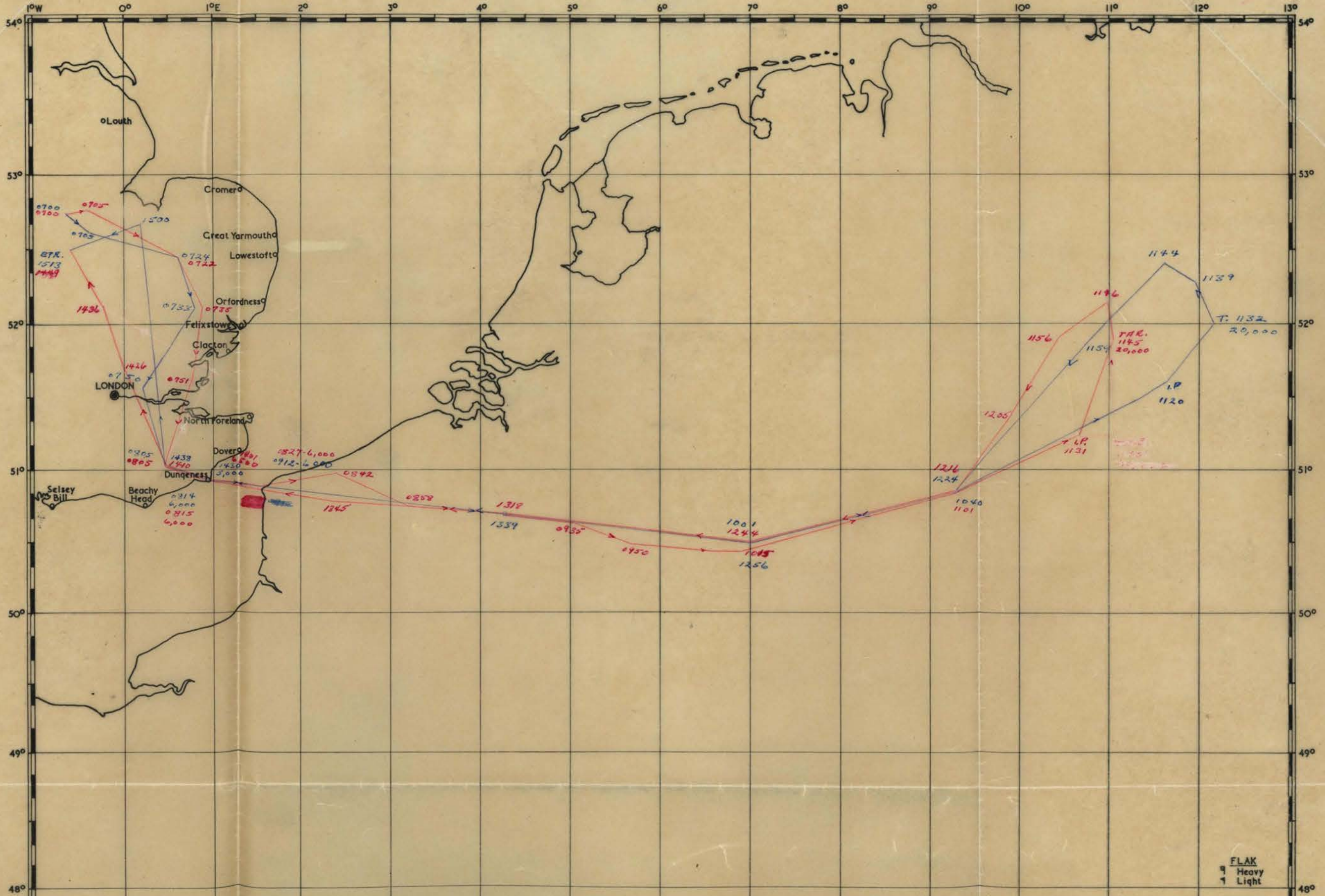
DATE *April 8, 1945*

TARGETS #2 *Halberstadt, Germany*

PRIMARY _____

Blue
Red

ROUTE	FOLLOWED BY
Blue	<i>Briefed</i>
Red	<i>401st B.C.(A)</i>



FLAK
9 Heavy
1 Light

COMBATS
FW 190 ○
JU 88 ⊙
ME 109 ⊗



STATISTICAL SUMMARY OF OPERATIONS

401st Bomb Group (H)

1st AD P. O. 681

Date of 8 April 1945

PART I -- ATTACKS & RESULTS

94th #B" Group

	LEAD	LOW	HIGH
	Borrowed A/C	Borrowed A/C	Borrowed A/C
1. No. of A/C Failing to Take Off	-	-	-
2. No. of A/C Sorties	13	12	13
3. No. of A/C Sorties less Unused Sp	12	12	12
4. No. of A/C Credit Sorties	12	12	12
5. No. of Effective Sorties	12	12	12
6. No. of Non-Effective Sorties	-	-	-
(a) Early Returns Included			
7. Name of XXXXXX Target #1	ZERBST		
(a) No. of A/C Attacking			
(b) No., Size, Type of Bombs			
8. Name of XXXXXX Target #2	HALBERSTADT		
(a) No. of A/C Attacking	12	12	12
(b) No., Size, Type of Bombs	72 X500#RDK 48 X500#IB	72X500#REX 48 X500# IB	418X150# T-1 6 X500#RDX 4 X 500#IB
9. Name of Last Resort Target (LRT)			
(a) No. of A/C Attacking			
(b) No., Size, Type of Bombs			
10. Name of Target of Opportunity			
(a) No. of A/C Attacking			
(b) No., Size, Type of Bombs			
11. Name of Target of Opportunity			
(a) No. of A/C Attacking			
(b) No., Size, Type of Bombs			
12. No. of A/C MIA - TOTAL	None	None	None
13. No. of A/C MIA - Flak			
14. No. of A/C MIA - Flak and E/A			
15. No. of A/C MIA - Enemy Aircraft			
16. No. of A/C MIA - Accident over E.T.			
17. No. of A/C MIA - Other & Unknown			
18. Time of Take Off	0555	0556	0555
19. Time of Attack	1145	1145	1145
20. Total Time for Mission	105	105	106
21. Altitude of Release	20,000'	19,600'	20,500'
22. Type of Sighting (Vis, H2X, GH, etc)	Vis	Vis	Vis
23. Enemy Resistance -- AA Inten & Acc	None	None	None
24. Enemy Resistance - Fighters	-	-	-
25. Enemy Resistance - Bombers	-	-	-
26. U.S. A/C Engaged by Enemy A/C	-	-	-
27. No. of Passes made by Enemy A/C	-	-	-
28. Degree of Success	Fair	Fair	Fair

None A/C borrowed from Groups:

None A/C loaned to Groups:

STATISTICAL SUMMARY OF OPERATIONS

401st Gp Mission # 244

Date 8 April 1945

PART II - NON-EFFECTIVE SORTIES

94th "B" Group

	LEAD	LOW	HIGH
	Borrowed A/C	Borrowed A/C	Borrowed A/C
29. Non-Effective Sorties	None	None	None
(a) Weather			
(b) Personnel			
(c) Enemy Action			
(d) Other Non-Mechanical			
(e) Mechanical & Equipment			
30. Mechanical & Equipment Failures			
(a) Engine			
(b) Oil System			
(c) Fuel System			
(d) Supercharger			
(e) Propeller & Governor			
(f) Communication System			
(g) Guns & Turrets			
(h) Bomb Release			
(i) Bombay Doors			
(j) Electric System			
(k) Instruments			
(l) Oxygen Equipment			
(m) Bomb Sights			
(n) A/C in General			

31. Reasons for Failure to Attack:

None

W.D.A.G.FORM
 12 E. Modified
 1-9-44 401st BG APO 557

COMBAT BOMBING FLIGHT RECORD

BOMBARDIER CAPT WINN DATE 8 April 1945
 PILOT CAPT SEDER (STRAUSS) TAKE OFF 0551
 NAVIGATOR CAPT SHAPIRO AIRPLANE _____
 WING 94th B GROUP 401st SQDN Lead LANDED 1451
 OBJECTIVE HALBERSTADT, GERMANY (MPI)

METHOD OF ATTACK Individual Flight Squadron Group wing

NUMBER A/C IN GROUP 36 COMPOSITE GROUP _____

DEFLECTION AND RANGE SIGHTING GROUP Lead A/C COMPOSITE GROUP _____

NUMBER A/C DROPPING BOMBS BY OWN SIGHTING OPERATION: 1 A/C

BOMBS, TYPES AND SIZES	<u>150# T-1</u>	FUSING: ROSE	<u>1/40</u>	TAIL	<u>--</u>
	<u>150# T-1</u>		<u>1/100</u>		<u>--</u>
BOMBS, TYPES AND SIZES	<u>500# RDX</u>	FUSING: ROSE	<u>1/10</u>	TAIL	<u>1/100</u>
	<u>500# IB</u>		<u>--</u>		<u>--</u>

NUMBER OF BOMBS LOADED 416 T-1/150RDX / 100IB RELEASED 416 T-1/150RDX / 100IB

INFORMATION AT RELEASE POINT:

Altitude of Target	<u>390</u>	Temp Aloft: Metro	<u>-32</u>	Actual	<u>-22</u>
True Altitude above target	<u>20000</u>	Mag Head, order	<u>45</u>	Actual	<u>32</u>
Ind. Altitude	<u>20000</u>	True Heading	<u>27</u>		
Pressure alt of target	<u>-4812 SL</u>	Drift, Est	<u>7L</u>	Actual	<u>8L</u>
Altimeter setting	<u>29.92</u>	True Track	<u>19</u>		
C.I.A.S.	<u>150</u>	I.A.S.	<u>207</u>	Actual Range	<u>9,310</u>
G.S. Est	<u>173</u>	Actual	<u>184</u>	B.S. Type	<u>M-9</u>
Wind Direc Metro	<u>50</u>	Actual	<u>85</u>	Time of Release	<u>1145</u>
Wind Veloc. Metro	<u>29</u>	Actual	<u>45</u>	Intervalometer Setting	<u>140ft</u>
D.S	<u>143.5</u>	Trail	<u>34</u>	ATF	<u>36.93</u>
Tan. D.A. Est	<u>.422</u>	Actual	<u>.45</u>	Length of Bombing Run	<u>35mi</u>
Mean Temp: Metro	<u>-14</u>	Actual	<u>-8</u>	C-1 Pilot	<u>OK</u> A-5 <u>--</u>
Type of Release: Lead A/C	<u>Salvo</u>	Type of Release: Other A/C	<u>140ft</u>	Manual Pilot	<u>--</u>

LOW SQDN	<u>19600</u>	Time of Rel	<u>1145</u>	Mag Heading	<u>28</u>
HIGH SQDN	<u>20500</u>	"	<u>1145</u>	Mag Heading	<u>27</u>

I certify that the above figures have been checked and are correct.

JULIUS PICKOFF
 Major, Air Corps
 Group Bombing Officer

CONFIDENTIAL

HEADQUARTERS
 401ST BOMBARDMENT GROUP (H)
 Office of the Communications Officer
 AAF Sta 128, APO 557

J-A-2

413.44

8 APRIL 1945

SUBJECT: Communications Report, Operational Mission No 244. (Field Order 681)

TO : Commanding Officer, 401st Bomb Gp (H), AAF Sta 128, APO 557.

SECTION ONE - USE OF RADIO NAVIGATIONAL AIDS

1. Radio Beacons used:		2. MF/DF Fixes	<u>2</u>
a. MF Beacons	<u>10</u>	3. HF/DF Bearings (QDM's)	<u>2</u>
b. Bunchers, England	<u>37</u>	4. VHF/DF Homings	<u>0</u>
c. Bunchers, Continent	<u>3</u>	5. Distress Action (SOS's)	<u>0</u>

SECTION TWO - USE OF RADAR

	<u>Airborne</u>	<u>Used</u>		<u>Airborne</u>	<u>Used</u>
1. Gee	<u>38</u>	<u>38</u>	4. Gee-H	<u>0</u>	<u>0</u>
2. H2X	<u>4</u>	<u>4</u>	5. Carpet (Barrage)	<u>28</u>	<u>28</u>
3. Micro-H	<u>0</u>	<u>0</u>	6. Carpet (Spot)	<u>6</u>	<u>6</u>
			7. Total aircraft releasing Chaff	<u>32</u>	
			8. Total number of units released	<u>13,824</u>	

SECTION THREE - ACTUAL DEFICIENCIES BY EQUIPMENT

1. Interphone	<u>1</u>	7. Gee	<u>0</u>
2. VHF	<u>0</u>	8. H2X	<u>1</u>
3. Compass	<u>0</u>	9. Micro-H	<u>0</u>
4. Liaison	<u>0</u>	10. Gee-H	<u>0</u>
5. Command	<u>0</u>	11. Carpet (Barrage)	<u>0</u>
6. SCS-51	<u>0</u>	12. Carpet (Spot)	<u>0</u>

SECTION FOUR - REMARKS

HAROLD M. KENLARD, JR.
 Maj. A C,
 Gp Com O.

CONFIDENTIAL

S E C R E T

REPORT ON A.A. GUNFIRE.
401st BOMBARDMENT GROUP (HV)

ASSIGNED..... Zerst (1)
 1. TARGET: BOMBED..... Halberstadt (2) DATE OF MISSION. 8 April 1945

2. ROUTE AS FLOWN:
Generally as briefed to (5121-1045E) - Target - (5205-1048E) - as briefed to base.

3.	AT TARGET	ENROUTE
WEATHER - - -	<u>2/10</u>	<u>8/10 to 7⁰E, clear from Rhine.</u>
CONTRAILS - -	<u>None</u>	<u>None</u>
SEEN-UNSEEN -	<u>Seen</u>	<u>Seen</u>

4. DESCRIPTION OF FLAK AT TARGET:
NONE

5. FLAK ENCOUNTERED OR OBSERVED ENROUTE: (IN ORDER EXPERIENCED)
NONE

6. CHAFF; HOW DISCHARGED: As briefed.

7. POSITION OF GROUP: 94th "g" - 8th.

8. DETAILS:-

SQDN; POS.	NO. A/C	DAMAGE		A/C LOST TO				AXIS OF		TIME OVER TARGET	HEIGHT
		MAJ.	MIN.	AA	EA	ACC	UK	ATTK	WITH		
<u>Lead</u>	<u>12</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>032⁰M</u>	<u>327⁰M</u>	<u>1145</u>	<u>20,000</u>
<u>High</u>	<u>12</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>026⁰M</u>	<u>326⁰M</u>	<u>1145</u>	<u>20,000</u>
<u>Low</u>	<u>12</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>027⁰M</u>	<u>327⁰M</u>	<u>1145</u>	<u>19,600</u>
<u>TOTALS</u>	<u>36</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>				

9. COMMENTS - PHENOMENA:-

Lt. P.R. Myers.

DUTY OFFICER St. J. Sutherland 401 Bomb Group
 BREIF. OFFICER Capt Hammick F.O. 681

DATE 8/4/45
 ZERO HR. 0800

FIRST DIV

Comp. Force	Target (name) (co-ordinates)	MPI
#1 1-ABC	G 2014 Derben (Fuel) (5226-1200)	Visual
	#2 Priority (G 644) via P 37. Stendal (5236-1152)	
#1 40 ABC	(G 1720) Strassfurt (oil) (5150-1137)	
#1 94 ABC	(G 4082) Zerbst 97 (5200-1208)	Vis
#2	#2 () Halberstadt (5154-1105)	R/f
#3	#3 () Halle (5129-1200)	unspecified
#1 41 AB	(G 5958) Schapstadt A/F (5173-1143)	vis
<p>X Halberstadt is #2 for all wings except 1st.</p>		

DEPART ENG COAST: (time-place) 1st. Div. 5045-0415
 2 Div. follows 3 SW
 3 Div. follows 1st Div then south

SECOND DIV. FORCE & TARGETS: 29 Gp (G 4043) Roth (4913-1106) (G 4756)
 7 Gp (4930-1058) (G 4110) ⁽⁴⁹²⁰⁻¹⁰⁴⁶⁾ Untersahlarebach (G 578) Eger (5005-1223)

THIRD DIV. FORCE & TARGETS: 14 Gp (G 5110) Pleaven (5029-1207)
 (G 5813) Graftenwoh (4943-1155) (G 578)

FIGHTER SUPPORT**** 13 Gp - 2 Gp close for 94 ABC

FIGHTER OPPOSITION**

FLAK #1 - 34 in range #2 none #3 - 60 guns in range lead in 60° turn left

BOMB LOAD & FUSE**** High 38 x 150 G.P. Lead & low 6 x 500 4 x M17

INTERVAL SETT. 140

BOMB ALT. 20000 - BASE REFER. ALT. 20000 GAS LOAD

GROUP INTERVAL 2 min CHAFF

ASSEMBLY ROUTE & ALT. -----
 A
 Kingscliff
 Crowland
 Brandon
 Lavenham
 Cottismore
 Bourne
 Brandon
 Glatton
 March
 Brandon
 Lavenham
 Hornchurch
 Splashin
 Dungeness

DIV. C.O. 1st Col Ensign WING C.O. 1st Col Stewart

GROUP C.O. Major Strauss SMOKE SCREEN _____

P/W CAMP _____ SCREEN FORCE _____

RELAY & COMMUNICATIONS _____

EVASION & S.O.P. Saved in Russia

SPECIAL INSTRUCTIONS _____

ROUTE OVER CONTINENT _____

Russian Bomb line
Pritzwalk
Havelberg
Magneburg
Dessau
Leipzig
Chemnitz

SIX HUNDRED AND FIFTEENTH BOMBARDMENT SQUADRON (H)

8, April, 1945

Leading Lists:

F-3

PLANE #43-39148

DUTY	RANK	LAST (NAME)	FIRST	(NMI)	SQUADRON
P	1st Lt.	Hartsock	Kenneth	J	615th
CP	F/O	Locke	Kent	W	"
N	2nd Lt.	Zneimer	John	N	"
B	2nd Lt.	Dodge	Richard	A	"
RO	S/Sgt	Dee	Harold	E	"
TT	S/Sgt	Browne	Vincent	(NMI)	"
BT	Sgt	Mendez	Frank	C	"
TG	Sgt	Anderson	Donald	S	"
FG	Sgt	Strukel	Joseph	J	"

PLANE #44-3708

P	1st Lt.	Wolf	Adolph	K	615th
CP	1st Lt.	Jancsek	Walter	(NMI)	"
N	1st Lt.	Hoag Jr	Carl	L	"
M/O	1st Lt.	Tharpe	Robert	W	"
B	2nd Lt.	Hashimoto	Gene	(NMI)	"
RO	S/Sgt	Huzineo	Andrew	(NMI)	"
TT	T/Sgt	Palmer	Edward	W	"
TG	Sgt	Banning	Robert	O	"
FG	S/Sgt	Elston	Hack	A	"

PLANE #44-3183

P	1st Lt.	Bennett	Clifton	S	615th
CP	2nd Lt.	Stevenson	Joseph	G	"
N	2nd Lt.	Hamilton	Charles	W	"
M/O	2nd Lt.	Smith	Larkin	B	"
B	1st Lt.	Wilde	Earl	R	"
RO	Sgt	Hanes	Billy	R	"
TT	Sgt	Henley	James	H	"
TG	Sgt	Hartswick Jr	Frederick	W	"
FG	Sgt	Joyner	Oliver	H	"

PLANE #44-3947

P	1st Lt.	Tobin	William	L	615th
CP	1st Lt.	Cauhape	Victor	(NMI)	"
N	2nd Lt.	Turner	Cecil	L	"
B	2nd Lt.	Moreau	Norman	(NMI)	"
RO	Sgt	Kantor	Walter	J	"
TT	Sgt	Bertram	Joseph	N	"
BT	Sgt	Erzar	William	J	"
TG	Sgt	VanCamp	Oliver	H	"
FG	Sgt	McAlister	Jess	J	"

PLANE #44-3653

P	1st Lt.	Post	Edwin	A	615th
CP	1st Lt.	Rubinoff	Louis	W	"
N	1st Lt.	Stewart	Leon	F	"
M/O	F/O	Jenkins	Frederick	S	"
RO	T/Sgt	Backlin	John	(P)	"
TT	T/Sgt	Antill	Clarence	W	"
TG	S/Sgt	Harris	Cecil	D	"
FG	S/Sgt	Affel	Richard	H	"
B	1st Lt.	Genway Jr	Francis	(NMI)	"

PLANE #44-3648

P	Captain	Seder	Arthur	R	Flying with 612th
N	2nd Lt.	Patrick	Dale	L	" " "
M/O	2nd Lt.	Dean	Hugh	G	" " "
RO	T/Sgt	Gobbs	Kenneth	W	" " "
TT	S/Sgt	Crug	Milton	H	" " "
FG	S/Sgt	Lindsay	James	R	" " "

613th BOMBARDMENT SQUADRON (H)
 OFFICE OF THE OPERATIONS OFFICER
 AAF STATION 128, APO # 557.

8 APRIL 1945.

L-C-A-D-I-E-G L-I-S-T

PLANE NO.	DUTY	RANK	LAST NAME	FIRST NAME	MI
42-102947	P	F/O	BEINBURG	LAFANRE	L.
43-38677	CP	2nd LT.	FUNK	PHILLIP	B.
614th Sqd.	N	F/O	BEUSCHER	CLIFTON	H.
	B	SGT.	BAILEY	FRANK	W.
	RO	CPL.	REIDEN	GEORGE	E.
	TT	SGT.	BUSH	MARVIN	L.
	BT	SGT.	BACKUS	WILSON	E.
	TG	SGT.	SISS KEY	CHARLES	W JR.
	WG	SGT.	DICK	CHARLES	B.
44-6842	P	2nd LT.	LITCHFIELD	DONALD	D.
	CP	F/O	BURTON	FREDERICK	D.
	N	2nd LT.	DACHSHYIN	HARRY	NMI.
	B	SGT.	PASCHAL	ROBERT	W.
	RO	SGT.	OGGURN	FRED	N.
	TT	SGT.	SIMMONDS	CHESTER	F.
	BT	SGT.	DAVIS	WALTER	A.
	TG	SGT.	JANAKOS	NICK	NMI.
	WG	SGT.	BARBOUR	CHARLES	E.
43-38458	P	1st LT.	SHEPHERD	JACKOBS	N JR.
	CP	2nd LT.	SKIFFINGTON	THOMAS	J.
	N	2nd LT.	VAN ECK	HERMAN	G.
	B	SGT.	ALLES	ROBERT	F.
	RO	SGT.	COLLINS	JOHN	F.
	TT	SGT.	DAVIS	ARNOLD	L.
	BT	SGT.	MARGOLIES	MALCOLM	A.
	TG	SGT.	HERROLD	DAN	E.
	WG	SGT.	BELLFOND	MARTIN	NMI.
42-31591	P	1st LT.	MAHARICK	MATT	NMI.
	CP	2nd LT.	ROBERSON	WENDALL	W.
	N	2nd LT.	ROWLEY	RONALD	E.
	B	SGT.	MOULTON	GEORGE	W.
	RO	S/SGT.	REED	WILLIAM	H JR.
	TT	S/SGT.	LANIER	LESLIE	H.
	BT	SGT.	MOORE	WILLIAM	F.
	TG	SGT.	WEBB	MENDELL	R.
	WG	S/SGT.	ODOM	HENRY	T.
43-3862	P	2nd LT.	LOVELACE	JAMES	G.
	CP	2nd LT.	McKINNEY	MELVIN	K.
	N	2nd LT.	ROBINSON	GALEN	R.
	B	SGT.	TAYLOR	THOMAS	H.
	RO	SGT.	WETHERSEE	CHARLES	W.
	TT	SGT.	KUTIL	LESLIE	W.
	BT	SGT.	WRIGHT	CHARLES	L.
	TG	SGT.	HURAS	FLOYD	J.
	WG	SGT.	PATTERSON	BERT	NMI.

PLANE NO.	DUTY	RANK	LAST NAME	FIRST NAME	MI.
44-6125	P	2nd LT.	KERKES	JOSEPH	P.
	CP	2nd LT.	WIEDLING	ROBERT	C.
	N	2nd LT.	KOCH	WILLIAM	B.
	B	S/SGT.	PAPAZIAN	STEPHEN	A.
	RO	SGT.	GULBRANSEN	RALPH	J.
	TT	SGT.	SIRINGER	JOHN	NMI.
	BT	SGT.	GOOD	JACK	D.
	TG	SGT.	NEIN	CHESTER	L.
	WG	SGT.	TUSTIN	WILLIAM	A.
43-37706	P	2nd LT.	EVANS	JOHN	B.
	CP	2nd LT.	RYAN	ROBERT	E.
	N	2nd LT.	WRIGHT	GERALD	L.
	B	SGT.	CARMICHAEL	WILSON	H.
	RO	SGT.	GALLOTELLO	PETER	B.
	TT	SGT.	HARRIS	HARROLD	A.
	BT	SGT.	LEWIS	CARL	D.
	TG	SGT.	HOLLAND	SHERMAN	F. JR.
	WGCM	SGT.	HOBLER	LEWIS	C.
RCM	SGT.	FRITSCH	HMER	NMI.	
44-6146	P	2nd LT.	FORD	WILBURN	H.
	CP	2nd LT.	NOANSON	TERRANCE	B.
	N	2nd LT.	DAVIS	CHARLES	E.
	B	SGT.	MAURER	FREDERICK	R.
	RO	SGT.	HANSEN	GEORGE	NMI JR.
	TT	SGT.	MOONEY	PHILLIP	L.
	BT	SGT.	ENGLETT	WILLIAM	L.
	TG	SGT.	BAILLY	CLARENCE	NMI.
	WG	SGT.	BURNS	FRANCIS	F.
44-6588	P	1st LT.	LEVY	MEYERS	NMI.
	CP	2nd LT.	SOUTH	VEEDER	NMI JR.
	N	2nd LT.	HUNT	CALVIN	A.
	B	SGT.	CROSSLEY	CHARLES	A.
	RO	SGT.	LAUDENDALE	WILBURN	C.
	TT	CPL.	TAGUE	MELVIN	E.
	BT	SGT.	LUDWIG	HOWARD	E.
	TG	SGT.	HESON	JOHN	W.
	WG	SGT.	FOLEY	ROBERT	J.
RCM	SGT.	FOGLEMAN	JAMES	NMI.	
44-6313	P	2nd LT.	McKENNY	WILLIAM	G.
	CP	2nd LT.	BURDICK	RICHARD	NMI.
	N	2nd LT.	LEVIN	HERBERT	R.
	B	SGT.	SUNDERLIN	ROBERT	A.
	RO	SGT.	PETERS	JOHN	W.
	TT	SGT.	HOLLAND	JOHN	W.
	BT	SGT.	JOHANNES	RICHARD	L.
	TG	S/SGT.	FISHER	MELVIN	C.
	WG	SGT.	FRANZBLAU	IRA	A.

SIX HUNDRED AND FOURTEENTH BOMBARDMENT SQUADRON (H)
 FOUR HUNDRED AND FIRST BOMBARDMENT GROUP (H)
 Office of the Operations Officer

AAF Station # 128
 8 April 1945

SUBJECT: Loading List.

TO : Operations Officer, 401st Bomb Gp (H), AAF Station # 128, APO # 557.

1. The following is the loading list for today's Mission.

<u>Plane 42-102151</u>			
P	1st Lt.	REINHARD, EDWARD O.	614th Sq.
CP	2nd Lt.	KIRCHLER, ALAN M.	"
H	2nd Lt.	CONNELL, HALL T. SR.	"
CTG	Sgt.	Peverill, Edward S.	"
RO	S/Sgt.	Weinstein, Bernard D.	"
TT	T/Sgt.	Luchfeld, Marvin	"
BT	T/Sgt.	Campbell, Clarence L.	"
TG	Pvt.	Swatski, Edward F.	"
WG	S/Sgt.	Ward, Charles A.	"
<u>Plane 42-98522</u>			
P	1st Lt.	SALISBURY, THOMAS E.	"
CP	P/O	WYLE, RONALD J.	"
H	2nd Lt.	BOUCHER, JAMES D. JR.	"
CTG	Sgt.	Wageher, Norman H.	"
RO	Sgt.	Finkerton, Oliver	"
TT	Sgt.	Benthall, Clyde T.	"
BT	Sgt.	Walls, Joseph F.	"
TG	Sgt.	Chapman, Guy W.	"
WG	Sgt.	Cain, Robert P.	"
<u>Plane 42-97951</u>			
P	1st Lt.	AYRE, LAWRENCE E.	"
CP	2nd Lt.	CODEN, BRYAN L.	"
H	2nd Lt.	LEASE, GERALD H.	"
CTG	Sgt.	Delorie, George A.	"
RO	Sgt.	Mandle, Louis I.	"
TT	Sgt.	Drass, Forrest A.	"
BT	Sgt.	Jakubanski, Julius J.	"
TG	Sgt.	Myers, John E.	"
WG	Sgt.	Luni, Andrew E.	"
<u>Plane 42-102468</u>			
P	2nd Lt.	GIBSON, LEE R.	"
CP	2nd Lt.	WOODBURN, JAMES R.	"
H	2nd Lt.	MUR, FRANK R. JR.	"
CTG	Sgt.	Brown, George W.	"
RO	Sgt.	Schobert, John A.	"
TT	Sgt.	Hasnik, Harry J.	"
BT	Sgt.	MacMillan, John A.	"
TG	Sgt.	Miller, Jack	"
WG	Sgt.	Wagner, Aloysius E.	"

Leading List Continued

Plane 43-38791

P	1st Lt.	SCREENSEN, MELVIN H.	614th Sq.
CP	2nd Lt.	TROUPE, JOHN T.	"
N	1st Lt.	AUFBRANCE, RUSSELL L.	"
CTG	S/Sgt.	Lee, William J.	"
RO	S/Sgt.	Collins, John G.	"
TT	T/Sgt.	Senorio, Steve S.	"
BT	Sgt.	Leppanen, Calvin E.	"
TG	Sgt.	Nichols, Norman D.	"
WG	Sgt.	Turner, Eldon A.	"
RCM	S/Sgt.	Richey, Leland H.	"

Plane 42-97802

P	1st Lt.	PARK, COLIN I.	"
CP	2nd Lt.	DUNNE, MICHAEL D.	"
N	F/O	O'NEILL, LAWRENCE H.	"
CTG	Sgt.	Salie, Howard W.	"
RO	Sgt.	Sayre, James O.	"
TT	Sgt.	Fields, Richard D.	"
BT	Sgt.	Wirth, Thomas J.	"
TG	Sgt.	Snyder, Edwin M.	"
WG	Sgt.	Graczyk, Clarence	"

Plane 42-39012

P	1st Lt.	JAMES, HERBERT W.	"
CP	2nd Lt.	PARKER, VICTOR E.	"
N	2nd Lt.	BURNS, THOMAS E.	"
CTG	S/Sgt.	Branch, Willard A.	"
RO	S/Sgt.	Kent, Donald A.	"
TT	S/Sgt.	Parker, Robert S.	"
BT	Sgt.	Tolose, Melvin H.	"
TG	Sgt.	McCallon, Lynn G.	"
WG	Sgt.	Baumana, Archie M.	"

Plane 43-38565

P	1st Lt.	BARCOCK, FREDRICK H.	"
CP	2nd Lt.	HAAKE, EDWARD C.	"
N	1st Lt.	CRAWFORD, ALLEN H. JR.	"
CTG	S/Sgt.	Dobson, William J.	"
RO	T/Sgt.	Tuchin, Howard	"
TT	T/Sgt.	Caldwell, Carroll L.	"
BT	S/Sgt.	Wilczynski, Walter E.	"
TG	S/Sgt.	Farnham, Walter J.	"
WG	Sgt.	Laura, Libero L.	"
RCM	S/Sgt.	Allaire, Joseph S.	"

Plane 42-102077

P	2nd Lt.	SEINECA, SAM	"
CP	2nd Lt.	SCHELLENEBERGER, RUSSELL A.	"
N	2nd Lt.	SHAW, CLARENCE W.	"
CTG	Sgt.	Kennedy, Jack W.	"
RO	T/Sgt.	Tompkins, Harry A.	"
TT	Sgt.	Tanner, James R.	"
BT	Sgt.	Acosta, Reuben	"
TG	Sgt.	Koteff, Walter	"
WG	Sgt.	Nowakowski, John J.	"

Leading List Continued

Plane 42-57556 473

P	2nd Lt.	HOWLIN, ROBERT E.	614th Sq.
CP	2nd Lt.	STILMS, MEREDITH W. JR.	"
N	F/O	CUTLER, MARSHALL W.	"
CTG	Sgt.	Post, George W.	"
RO	Sgt.	Morgan, Donald W.	"
TT	Sgt.	Reed, Raymond E.	"
BT	Sgt.	LaSalle, Carl Jr.	"
TG	Sgt.	Waldron, Arthur E.	"
WG	Sgt.	Van Wie, Franklyn	"

Plane 4297780

P	2nd Lt.	GRAY, CARL M.	"
CP	2nd Lt.	SMITH, CHARLES	"
N	2nd Lt.	STEWART, RICHARD E.	"
CTG	S/Sgt.	Ginthwain, Edward A.	"
RO	Sgt.	Port, Collins G.	"
TT	Sgt.	Kirby, Lee D. Jr.	"
BT	Sgt.	Harrell, James Jean F.	"
TG	Sgt.	Seenz, Hector J.	"
WG	Sgt.	Bonnano, Joe M.	"

For the Squadron Commander:

DONALD V. KIRKHUFF
 Capt., Air Corps,
 Operations Officer.

612th BOMBARDMENT SQUADRON (H)
 401st BOMBARDMENT GROUP (H)
 Office of the Operations Officer

Mission No. 244
 8 April 1945

SUBJECT : Loading List.
 TO : Operations Officer, 401st Bomb Gp (H), APO 557.

Plane 7113

P	Stephens, Lloyd J.	2nd Lt.	612th
CP	Wilt, Elmer L.	2nd Lt.	612th
N	Harper, Robert F.	2nd Lt.	"
B	Whitlock, Howard D.	S Sgt.	"
RO	Douglass, James E.	S Sgt.	"
TTG	Graham, James D.	S Sgt.	"
BTG	Wisdom, Kent S.	Pvt.	"
TG	Brennan, William J.	S Sgt.	"
FG	Lewelling, Fred E.	S Sgt.	"

Plane 7664

P	Guy, Richard H.	2nd Lt.	"
CP	Mastrangelo, Donald M.	2nd Lt.	"
N	Goodlett, John R. Sr.	2nd Lt.	"
B	Polin, Arthur (NMI)	Sgt.	"
RO	Bury, Paul R.	Sgt.	"
TTG	Foulkes, Ellis A.	Sgt.	"
BTG	Raines, Bruce A.	Sgt.	"
TG	Fritts, Leonard R.	Sgt.	"
FG	Webb, Clayton T. Jr.	Sgt.	"

Plane 2398

P	Moran, Joseph P.	2nd Lt.	"
CP	Meredith, Robert G.	2nd Lt.	"
N	Dobrowolsky, Michael	2nd Lt.	"
B	Donald, Robert W.	Sgt.	"
RO	Kalogerias, Chris G.	Sgt.	"
TTG	Barner, Edwin L.	Sgt.	"
BTG	Adkisson, Cecil P.	Sgt.	"
TG	Youmans, Paul L.	Sgt.	"
FG	Rose, William	Sgt.	"

Plane 993

P	Leap, Ward A.	1st Lt.	"
CP	Mays, Ralph	2nd Lt.	"
N	Little, James T.	2nd Lt.	"
B	Smith, Robert F.	2nd Lt.	"
RO	Stephenson, Charlie R.	Sgt.	"
TTG	Cargo, Flemon F. Jr.	Sgt.	"
BTG	Wolf, John E.	Sgt.	"
TG	Veselicky, Joseph N.	Sgt.	"
FG	Gochenour, Matthew R.	S Sgt.	"

Plane 8637

P	Smith, Max H.	1st Lt.	"
CP	Korwald, Morris N.	2nd Lt.	"
N	VanDuinen, Richard B.	2nd Lt.	"
B	Schmaltz, Nylo R.	S Sgt.	"
RO	Hendrickson, Ernest W.	T Sgt.	"
TTG	Genga, Pietro J.	T Sgt.	"
BTG	Laing, John (NMI)	S Sgt.	"
TG	Filiatraut, Frank E.	S Sgt.	"
FG	Finilis, Emanuel B.	S Sgt.	"

Plane 1891

P	Ahlers, Harry W.	2nd Lt.	"
CP	Cropp, Robert H.	2nd Lt.	"
N	Moos, Henry W.	2nd Lt.	"
B	Sires, Cleon D.	Sgt.	"
RO	Galfo, Armand J.	Sgt.	"
TTG	Gzubat, Adam T.	Sgt.	"
BTG	Boyce, Merle N.	Sgt.	"
TG	Clark, Herbert M.	Sgt.	"
FG	Anderson, John E.	Sgt.	"

Plane 8541

P	Hazelton, James J.	2nd Lt.	612th
CP	Garry, John T. II	2nd Lt.	"
N	Jacobs, William E.	2nd Lt.	"
B	Crocker, Charles W. Jr.	Sgt.	"
RO	Brennan, Joseph R.	Sgt.	"
TTG	Trutt, Edward P.	Sgt.	"
BFG	Bressel, Frederick E.	Sgt.	"
TG	Lopez, Jesus L.	Sgt.	"
FG	Burnett, R.T.	Sgt.	"
RCM	Martin, James G.	S Sgt.	"

Plane 8810

P	Holt, Howard L.	2nd Lt.	"
CP	Gailey, Ivan L.	2nd Lt.	"
N	Lively, Coy L.	2nd Lt.	"
B	Guin, Frederick D.	Sgt./	"
RO	Hunt, Ray D.	Sgt.	"
TTG	Chapman, Carl W.	Sgt.	"
BFG	Huston, Cecil A.	Sgt.	"
TG	Crosson, James J. Jr.	Sgt.	"
FG	Klapow, Benjamin	Sgt.	"
RCM	Carson, James W.	Sgt.	"

Plane 7039

P	Kamper, Robert W.	2nd Lt.	"
CP	Kibiuk, Theodore (NMI)	2nd Lt.	"
N	Datlenko, Victore D.	F/O	"
B	McCue, Frank G.	Sgt.	"
RO	Kenter, Walter (NMI)	Sgt.	"
TTG	Condit, Clarence E.	Sgt.	"
BFG	Gray, John J.	Sgt.	"
TG	Parker, George T.	Sgt.	"
FG	Hembling, Joseph L.	Sgt.	"

Plane 2393

P	Harveson, Lloyd D.	2nd Lt.	"
CP	Parsons, Silas P.	2nd Lt.	"
N	Zacamy, John R.	2nd Lt.	"
B	Crosby, Lewis A.	Sgt.	"
RO	Hall, Jewell L.	Sgt.	"
TTG	Brockway, Glenn L.	Sgt.	"
BFG	Moore, Kenneth V.	Sgt.	"
TG	Kuhn, Bill W.	Sgt.	"
FG	Jeter, Kenneth A.	Sgt.	"

Plane 1662

P	Howard, Louis F. Jr.	2nd Lt.	"
CP	Wilford, Joseph E.	2nd Lt.	"
N	Davis, Rex D.	2nd Lt.	"
B	Rossok, Michael R.	S Sgt.	"
RO	Carson, Edward M.	T Sgt.	"
TTG	Corbo, Frank J.	T Sgt.	"
BFG	Ford, Billie M.	S Sgt.	"
TG	McQuiston, George E. Jr.	S Sgt.	"
FG	Taylor, Charles F.	S Sgt.	"

Flying With 615th Sqdn.

Strauss, Joseph D.	Major
Winn, Roy R.	Capt.
Shapiro, Aaron (NMI)	Capt.
Lundgren, Robert P.	2nd Lt.

LEAD SQDN 94 C GROUP

Aug

Combat Sq. Leader: LT COL DE JONCKHEERE Date: 7 April 45

Deputy Sq. Leader: LT SPUHLER

Deputy Gp. Leader: LT SPUHLER

38-1506P 1/40 ~~NOSE~~
COMPLETE THE FUSING
WITH 1/10

612 SC JABWOCK
615 IN MACRO
614 IW GOLFCLUB
615 IY BUZZARD
RIGLER (DE JONCKHEERE)
IY N 8648 PFF

LEVY IN G 1730
SPUHLER IY C 8033 PFF

SHEPHERD
IN A 8458

LITCHFIELD
IN V 6842

LONG
IN G 1983

LOVELACE
IN N 8862

FORD
IN D 6588 RCM

YOUNG
IN R 6146

MAY
IN M 9126 RCM

MAHARICK
IN J 1591

BERNSBURG
IN S 2947

SPARE

KERKES
IN B 6132

SPARE LEADS:

PFF IY F 8449 (disp 30)
VIS IN R ~~8449~~
758

GROUND SPARES:

IN W 8787 (disp 36)
SC T 8788 (disp 16)

0200 - 0800 RY
0800 - 1400 RGG
1400 - 2000 RG

T.O. 10:10
ETC 1745

LOW SQDN 94 C GROUP

Combat Sq. Leader: LT HUBBELL Date: 7 April 45

Deputy Sq. Leader: LT TOBIN

Deputy Gp. Leader: LT SPUHLER

- 612 SC JAWOCK
- 613 IN MACRO
- 614 IW GOLFCLUB
- 615 IY BUZZARD

HUBBELL

IY K | 8259 PFF

CLEMONS

SC V | 8810 RCM

TOBIN

IY P | 6947

MARTIN

SC M | 7039

NOLAN

SC S | 8680

AHLERS

SC P | 1891

BLOMQUIST

SC F | 8541 RCM

HOLT

SC D | 6992

MORAN

SC H | 2398

HOWARD

SC B | 1662

GUY

SC L | 8637

HAZELTON

SC C | 9998

SPARE LEADS:

PFF IY F 8449 (disp 30)

VIS IN ~~R~~ 9148 (~~disp 33~~)

758

GROUND SPARES:

IN W 8767 (disp 36)

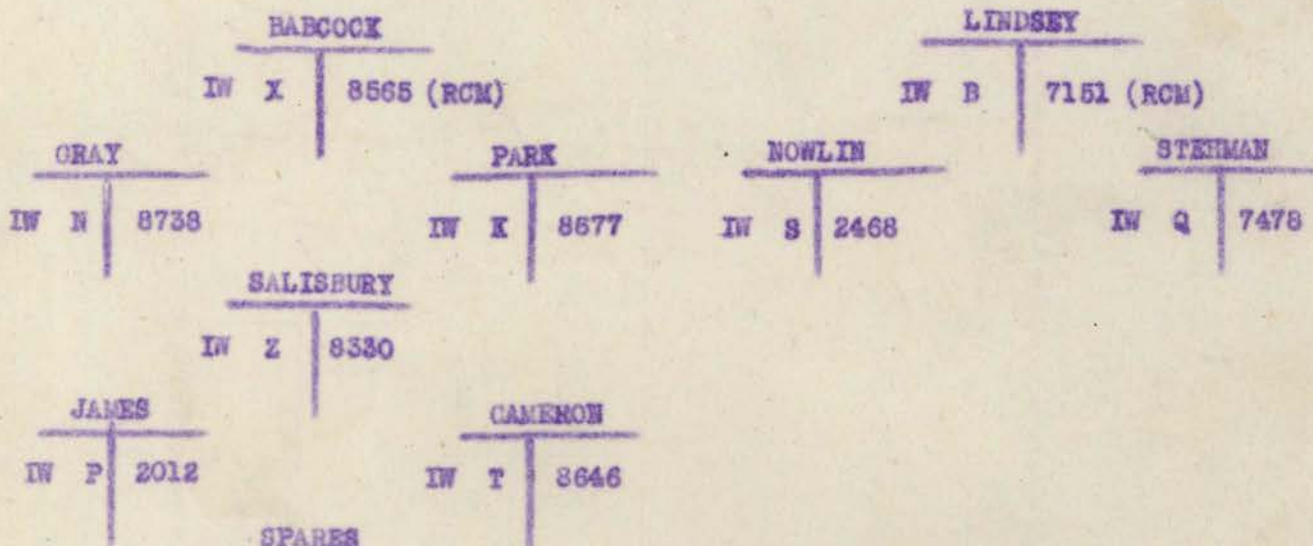
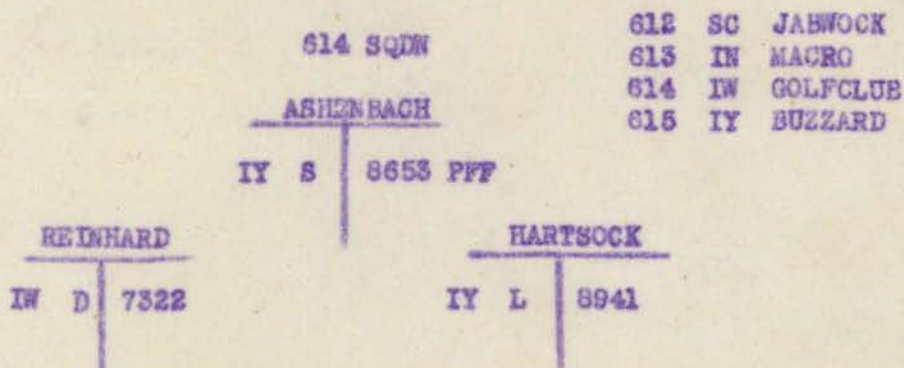
SC T 8788 (disp 16)

HI 94TH C GROUP

Combat Sq. Leader: LT ASHENBACH Date: 7 April 1945

Deputy Sq. Leader: LT HARTSOCK

Deputy Gp. Leader: LT SPÜHLER



SCIMECA
SC R | 2395

SPARE LEADS: (PFF) IY F 8449 Disp 30
(VIS) IN R ~~8449~~ Disp 33
758

GROUND SPARES: IN W 8767 Disp 36
SC T 8788 Disp 16

LEAD SQDN 94 B GROUP

Combat Sq. Leader: MAJ STRAUSS Date: 9 Apr 45

Deputy Sq. Leader: LT BENNETT

Deputy Op. Leader: LT BENNETT

Max Gas
Wing

- 612 SC JAWOCK
- 613 IN MACRO
- 614 IW GOLFCUB
- 615 IY BUZZARD

6 X 500 RDX ^{1/10} X ^{1/100}
plus
4 X M-171B

STRASS (STRAUSS)

IY N 8648 PFF

REINHARD

IW B 7161

BENNETT

IY O 8153 PFF

MAY GAS - 2780

BREAKFAST - 0140

BRIEFING - 0240

STATIONS - 0440

SALISBURY

IW D 7322

BABCOCK

IW X 8565 RCM

ANDRE

IW A 7031

GIBSON

IW S 2468

COLLEGE

IW H 8077

MOWLE

IW Q 7478

SIMPSON

IW C 8791 RCM

PARK

IW O 7802

JAMES

IW P 2012

SPARE

GRAY

IW R 7780

B - 01:40

B - 02:40

S - 04:40

SPARE LEADS:

- PFF IY F 8449 disp 30
- VIS IY L 8941 disp 27

GROUND SPARES:

- ~~SC N 8506 disp 14~~
- IW K 8677 disp 2

0200 - 0800 R.Y.
0800 - 1400 R. or Gr
1400 - 2000 Y-Y

LOW SQ 94TH B GROUP

Combat Sq. Leader: LT WOLF Date: 8 April 1945

Deputy Sq. Leader: LT HARTSOCK

Deputy Gp. Leader: LT BENNETT

6X 500 RDX $\frac{1}{10} \times \frac{1}{100}$
 4X M-17 IB

612 SC JAWOCK
 613 IN MACRO
 614 IW GOLFCUBE
 616 IY BUZZARD

613 SQIN

WOLF

IY G 8708 PFF

MC KENNEY

IN F 6313

HARTSOCK

IY Q 9148

LITCHFIELD

IN V 9842

SHEPHERD

IN A 9458

KERRIS

IN M 9126

BERNEBURG

IN S 8947
 IW K 627

LOVELACE

IN N 8862

LEVY

IN D 8598 (RCM)

MAHARICK

IN J 1591

EVANS

IN U 7706 (RCM)

FORD

IN R 8146

SPARES

SPARE LEADS: (PFF) IY F 8449 Disp 30
 (VIS) IY L 8941 Disp 27

GROUND SPARES: SC N 6506 Disp 14
 IW E 8677 Disp 2

#4 Com. started fire in accessory section

HIGH SQ 94TH B GROUP

Combat Sq. Leader: LT POST Date: 8 April 1946

Deputy Sq. Leader: LT TOBIN

Deputy Gp. Leader: LT BENNETT

map 150 GP 1/40 or 1/100 hotel

- 612 SC JAWOCK
- 613 IN MACRO
- 614 IW GOLFCUB
- 615 IY BUZZARD

POST
 IY S 8853 PFF

LEAP
 SC C 9995

TOBIN
 IY P 6947

SMITH
 SC L 8637 #4 ENCL. CHG.
 SC-N 506

STEPHENS
 SC C 7113

AHLERS
 SC P 1891

HAZELTON
 SC F 8641 (RCM)

HOLT
 SC V 8310 (RCM)

MORAN
 SC H 2398

HOWARD
 SC B 1662

HARVESON
 SC R 2593

KAMPER
 SC M 7039

SPARES

GUY
 SC X 7684

SPARE LEADS: (PFF) IY P 8449 Disp 30
 (VIS) IY L 2941 Disp 27

GROUND SPARES: SC N 6506 Disp 14
 IW K 8677 Disp 2