

HEADQUARTERS
NINETY FIFTH BOMBARDMENT GROUP (H)
Office of the Operations Officer

AFPO 559.
7 November 1944.

SUBJECT: Operations Officer's Narrative for the Mission of
5 November 1944.

TO : Commanding Officer, 95 Bomb Group (H), AFPO 559.

95A SQUADRON FORMATION

1. GENERAL NARRATIVE: The 95A Squadron, flying the lead of the 13B Group, took off at 0719-0747 hours. The assembly of the squadron over Bu #23 at 0825 hours at 12,000 feet. The Group assembly was made by 0830 hours where a climb was started to 18,000 feet. The Group departed the base at 0845 to arrive at the first Wing Assembly point, Mildenhall, at 0911 hours and at Bu #10 at 0915 hours, the first point on the Division assembly line. The second point on the assembly Bu #23, was reached at 0921 hours, two (2) minutes late. A departure from the English Coast was made at Clacton at 0933 hours and one (1) minute late. A climb was started at Clacton, Control Point #1 and landfall on the continental coast was made at 0951 hours at 21,000 feet. Briefed course and plan were closely followed and the I.P. was reached at the bombing altitude of 27,000 feet at 1102 hours. Bombs were away, PFF, over the target at 1110 hours on a true heading of 064 degrees. The briefed course was followed out to 0600° East where a slight deviation was made to the right, crossing the Enemy coast at 5125-0335, at 1259 hours, 6,000 feet altitude. Landfall on the English coast was reached at 5122-0145, at 1349 hours and at 1,000 feet altitude. The base was reached at 1358 hours and the squadron was landed 1417-1447 hours.

2. AIRCRAFT NOT ATTACKING: Eleven (11) aircraft plus one (1) PFF aircraft were dispatched as shown in Squadron Formation Diagram "A". All aircraft were over the target and are credited with sorties.

3. AIRCRAFT LOST: None.

95B SQUADRON FORMATION

1. GENERAL NARRATIVE: The 95B Squadron, flying the high squadron of the 13B Group, took off at 0710-0723 hours. Squadron and Group assembly were made without difficulty over the base by 0830 hours at 13,000 feet. For a continuation of the mission reference is made to the General Narrative of 95A

DECLASSIFIED

Authority *AND 745005*
By *LB* NARA Date *7-18-07*

Squadron. The squadron was landed at 1402-1433 hours.

2. AIRCRAFT NOT ATTACKING: Twelve (12) aircraft plus one (1) PFF aircraft were dispatched as shown in Squadron Formation Diagram "B". All thirteen (13) aircraft were over the target and all are credited with sorties.

3. AIRCRAFT LOST: None.

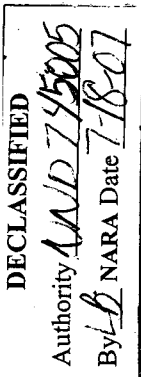
95C SQUADRON FORMATION

1. GENERAL NARRATIVE: The 95th C Squadron, flying low squadron of the 13 B Group, took-off at 0733-0746 hours. The squadron was assembled over the base at 11,000 feet and group assembly was made at 0827 hours. For a continuation of the mission reference is made to the GENERAL NARRATIVE report of 95 A Squadron. The squadron was landed at 1346-1442 hours.

2. AIRCRAFT NOT ATTACKING: Twelve (12) A/C plus one (1) PFF A/C were dispatched as shown in diagram "C". One (1) A/C # 6475 aborted without attacking but is credited with a sortie. all the attacking aircraft are also credited with sorties.

3. AIRCRAFT LOST: One (1) aircraft # 8814, was hit in the target area by flak and tail assembly was damaged. The last position noted was 4940N-0750E at 1132 hours.

THOMAS H. HOLBROOK,
Lt Col., Air Corps,
Operations Officer.



HEADQUARTERS 3D BOMBARDMENT DIVISION
"J" FORM

GP.

STA.

- DATE 11/5/44 TARGET _____ DUTY OFFICERS _____
- CBW 13B GROUP 95C GP. LEADER Lt. Hamilton, W A/C ⁸⁰⁴⁰412-N W/T MKF
POSITION Lo DEPUTY LDR. Lt. Wright A/C ⁸⁸¹⁴335-J W/T RML
- EST. TAXI TIME 0720 EST. T.O. 1ST A/C 0730 ETD BASE 830
ETR BASE 1242
- NUMBER A/C ORIGINALLY SCHEDULED 13 NUMBER OF SPARES INCLUDED _____
INCLUDED 1
- TIME 1ST T.O. _____ LAST T.O. _____ TIME 1ST LANDING _____
LAST LANDING _____
- SQUADRON 335 NO. OF A/C 98 CALL SIGNS; W/T RML

| A/C | Z | B | G | F | T | S | O | M | A |
|---------|-------|-------|-------|-------|-------|------|-------|-------|---|
| A.T.O. | :734 | :735 | :736 | :737 | :738 | :739 | :740 | :741 | : |
| A.T.R. | :1396 | :1424 | :1358 | :1420 | :1242 | : | :1406 | :1423 | : |
| REMARKS | : | : | : | : | : | : | : | : | : |

SQUADRON 336 NO. OF A/C 34 CALL SIGNS; W/T JXF

| A/C | H | Y | G | U |
|---------|-------|-------|-------|-------|
| A.T.O. | :742 | :743 | :744 | :746 |
| A.T.R. | :1442 | :1416 | :1432 | :1408 |
| REMARKS | : | : | : | : |

SQUADRON 412 NO. OF A/C 1 CALL SIGNS; W/T MKF

| A/C | N |
|---------|-------|
| A.T.O. | :733 |
| A.T.R. | :1159 |
| REMARKS | : |

CONFIDENTIAL

HEADQUARTERS
NINETY FIFTH BOMBARDMENT GROUP (H)
Office of the Operations Officer

APO 559,
6 November 1944.

SUBJECT: Lead Navigators Narrative, 95 "A" Squadron, Mission Of 5 November 1944, Ludwigshaven, Germany.

TO : Commanding Officer, 95th Bomb Group (H), APO 559.

1. We flew as lead Squadron of the 15 "B" Group and took-off at 0721 hours. We accomplished Squadron assembly on Bu. # 23 at 0825 hours, 12,000' altitude. Group assembly was also made at Bu. # 23 at 0830 hours, 15,000'.

2. Our time at Mildenhall was 0911 hours, altitude 18,000', the next point Bu. # 10 was made at 0915 hours, and Bu. # 23 was passed at 0921 hours. We departed the English Coast at 5148-0115 at 0933 hours, 18,000' altitude.

3. Landfall was made on the Continental Coast at 5059-0156 at 0951, 21,000' altitude. Briefed course and plan were followed closely and the briefed I.P. was made good at 1102 hours, 27,000' altitude. Bombs were away, PFF, over Ludwigshaven at 1110 hours, 27,000' altitude on a true heading of 064°.

4. Briefed course was followed out to 0600 East. We left the Enemy Coast at 5125-0335, at 1259 hours, 6000' altitude; landfall was made on the English Coast at 5122-0143, at 1347 hours, 1000' altitude.

5. Base was reached at 1358 hours, and we landed at 1425.

6. No navigational difficulties were encountered.

J.C. HUZAREVICH,
2nd Lt., Air Corps,
Lead Navigator.

DECLASSIFIED

Authority AAD 74505

By: NARA Date 7-18-07

CONFIDENTIAL

HEADQUARTERS
NINETY FIFTH BOMBARDMENT GROUP (H)
Office of the Operations Officer

APO 559,
6 November 1944.

SUBJECT: Lead Navigators Narrative, 95 "B" Squadron, Mission 5 November 1944,
Ludwigshaven, Germany.

TO : Commanding Officer, 95th Bomb Group (H), APO 559.

1. We lead the high squadron (95 B) of 13 B Combat Group and took-off at 0827 at coordinates 5223-0121, at 13,000'. Division assembly was made 5150-0116 at 0933 hours at 20,000' ft.

2. We left the English Coast about 5 miles Left of course and left French Coast out about 12 miles Right of course. Bombs were away at 1111 at altitude of 27,5000 on a true heading of 065° over Ludwigshaven.

3. We were back over base at 1358 and landed at 1412. No special navigational difficulties were encountered.

EUGENE T. RUSSELL,
2nd Lt., Air Corps,
Lead Navigator.

HEADQUARTERS
NINETY FIFTH BOMBARDMENT GROUP (H)
Office of the Operations Officer

APO 559,
6 November 1944.

SUBJECT: Lead Navigators Report, 95 "C" Squadron, Mission Of 5 November 1944, Ludwigshaven, Germany.

TO : Commanding Officer, 95th Bombardment Group (H), APO 559.

1. We flew as lead of the 95 "C" Squadron, as the low Squadron of 13 "B" Group. Take-off was at 0730 hours, and we assembled, as a squadron, with the group over Bu. # 25 at 0827 hours, 11,000' altitude.

2. We remained with the group throughout and dropped our bombs in group formation, on PFF, at 1111 hours, 26,000' altitude on a true heading of 062°. The target was Ludwigshaven.

3. We were over our base at 1358. The route was flown very closely and no navigational difficulties were encountered.

WILLIAM P. DOHERTY,
2nd Lt., Air Corps,
Lead Navigator.

DECLASSIFIED
Authority AAD 745005
By L-NARA Date 7-18-07

CONFIDENTIAL

HEADQUARTERS
NINETY FIFTH BOMBARDMENT GROUP (H)
Office of the Operations Officer

APO 559,
6 November 1944.

SUBJECT: Lead Bombardiers Narrative, Ninety Fifth "A" Squadron,
Mission of 6 November 1944, Ludwigshafen, Germany.

TO : Commanding Officer, 95th Bomb Group (H), APO 559.

1. Bombing Approach and Run - Made left turn off I.P. and made run P.F.F. Mickey picked up target by bend in river made first check at eleven miles then every other mile. About four or five miles from target hole opened up - made last minute rate correction - unable to make any course correction - bombs went away at 1110 - results unobserved.

2. Disposition of Bombs - 12 A/C were dispatched from the 95th "A" Squadron loaded with 70 x 1000 G.P. AN - M 44 bombs. All bombs were dropped on the Secondary target. All bombs were fused 1/10 nose and 1/40 tail.

3. Types of Release - 70 x 1000 # G.P. AN - M44 bombs dropped on the Secondary Target were released on a 250' interval and armed.

| 4. Tabular Summary - A/C | | | Bombs | | Fusing | |
|----------------------------------|-------------|---------|-------|-----------------|--------|------|
| Main Bombfall | Over Target | Bombing | No. | Size Type | Nose | Tail |
| Ludwigshafen, Ger. | 12 | 12 | 70 | 1000#GP AN M-44 | 1/10 | 1/40 |
| Total on Target | | | 70 | 1000#GP AN M-44 | 1/10 | 1/40 |
| Bombs Returned | | | None | | | |
| Other Expenditures | | | None | | | |
| Total (loaded on A/C taking off) | | | 70 | 1000#GP AN M-44 | 1/10 | 1/40 |

JOHN M. GRIFFIN,
1st Lt., Air Corps,
Lead Bombardier

CONFIDENTIAL

DECLASSIFIED

Authority 441074505
By: L NARA Date 7-18-07

CONFIDENTIAL

HEADQUARTERS
NINETY FIFTH BOMBARDMENT GROUP (H)
Office of the Operations Officer

AP0 559,
6 November 1944.

SUBJECT: Lead Bombardiers Narrative, 95th "A" Squadron, Mission
of 5 November 1944, Ludwighaven, Ger.

TO : Commanding Officer, 95th Bomb Group (H), APO 559.

1. Narrative.

a. Bombing aids used were B-6-B, C-2, bombing tables
and Temp. Graphs.

b. Made left turn off I.P.

c. After turning off I.P. and ship was straight and
level.

d. Flak was heavy and adequate - smoke screen over
target. Approximately 9/10 to 10/10. No unusual hostile tactics
interfered with the bombing run.

e. Results unobserved.

f. None.

2. Bombardiers form 12-E modified is attached.

3. Disposition of Bombs - A/C

| | | | | Bombs Fuzing | |
|----------------------------------|-------------|---------|----|--------------|---------------------------|
| Main bombfall | over target | Bombing | No | Size | Type Nose Tail |
| Ludwigshaven | Germany | 12 | 12 | 70 | 1000#GP AN M-44 1/10 1/40 |
| Total of target | | | | 70 | 1000#GP AN M-44 1/10 1/40 |
| Bombs returned | | | | None | |
| Other Expenditures | | | | None | |
| Total (Loaded of A/C taking off) | | | | 70 | 1000#GP AN M-44 1/10 1/40 |

4. Types of release. All 70 x 1000 # GP AN M-44 bombs
dropped on the Secondary Target were released on a 250' interval
and armed.

JOHN M. GRIFFIN,
1st Lt., Air Corps,
Lead Bombardier.

CONFIDENTIAL

DECLASSIFIED

Authority AAD 7/5/05
By: NARA Date 7-18-07

CONFIDENTIAL

HEADQUARTERS
NINETY FIFTH BOMBARDMENT GROUP (H)
Office of the Operations Officer

APO 559,
6 November 1944.

SUBJECT: Lead Bombardiers Narrative 95th "B" Squadron, Mission
Of 5 November, Ludwigshaven, Germany.

TO : Commanding Officer, 95th Bomb Group (H), APO 559.

1. Bombing Approach and Run - We made a left turn of about 60° at I.P. Bombbay doors were opened after the I.P. Undercast at beginning of run prevented a visual run. Bombing was done by P.F.F. Bombs were away at llll.

2. Disposition of bombs - 13 A/C were dispatched from 95 "B" Squadron loaded with 76 x 1000# GP AN M-44 bombs. 70 were dropped over the secondary target. A/C 8660 dropped 2 minutes late as the doors had to be cranked down and they were not all the way open when the leader dropped his bombs. Thus 70 x 1000 # GP M-44 bombs were dropped on the secondary target.

3. Types of release - The 70 bombs dropped armed on the target were released by intervolumeter (250 ft).

4. Tabular summary - A/C

| | | | Type | | Fusing | | |
|----------------------------------|-------------|---------|------|------------|--------|------|------|
| Main Bombfall | over target | Bombing | No. | Size | Type | Nose | Tail |
| Ludwigshaven, Ger. | 13 | 12 | 70 | 1000 GP AN | M-44 | 1/10 | 1/40 |
| Total on Target | | | 70 | 1000 GP AN | M-44 | 1/10 | 1/40 |
| Bombs returned | | | None | | | | |
| Other expenditures | | | 6 | 1000 GP AN | M-44 | 1/10 | 1/40 |
| Total (Loaded on A/C taking-off) | | | 76 | 1000 GP AN | M-44 | 1/10 | 1/40 |

EDWARD H. SCHULTZ.
2nd Lt., Air Corps,
Lead Bombardier.

CONFIDENTIAL

DECLASSIFIED

Authority AAD 745005

By: NARA Date 7-18-07

CONFIDENTIAL

HEADQUARTERS
NINETY FIFTH BOMBARDMENT GROUP (H)
Office of the Operations Officer

APO 559,
6 November 1944.

SUBJECT: Lead Bombardiers Narrative, 95 "B" Squadron, Mission
Of 5 November 1944, Ludwigshaven.

TO : Commanding Officer, 95th Bomb Group (H), APO 559.

1. Narrative.

- a. Bombing aids used were E-3-B, C-2 and Tachometer.
- b. A left turn of about 60° was made at I.P.
- c. Bombbay doors were opened after the turn at I.P.
- d. Bombing run was affected by undercast at beginning of run. Run was also affected by intense flak.
- e. Believed to be short.
- f. No suggested changes in bombing technique.

2. Bombardiers 12 E attached.

3. Disposition of bombs - A/C

| Main Bombfall | over target | Bombing | No. | Bombs Size | Type | Fusing Nose Tail |
|----------------------------------|-------------|---------|------|---------------|------------|---------------------|
| Ludwigshaven, Ger. | 13 | 12 | 70 | 1000# | GP AN M-44 | 1/10 1/40 |
| Total on target | | | 70 | 1000# | GP AN M-44 | 1/10 1/40 |
| Bombs returned | | | None | | | |
| Other Expenditures | | | 6 | 1000# | GP AN M-44 | 1/10 1/40 |
| Total (Loaded on A/C taking-off) | | | 76 | 1000# | GP AN M-44 | 1/10 1/40 |

4. Types of release - All 70 bombs dropped armed on the target released by intervalometer (250 FT).

EDWARD H SCHULTZ,
2nd Lt., Air Corps,
Lead Bombardier.

CONFIDENTIAL

DECLASSIFIED

Authority AND 745005
RvLB NARA Date 7-18-07

CONFIDENTIAL

HEADQUARTERS
NINETY FIFTH BOMBARDMENT GROUP (H)
Office of the Operations Officer

APO 559,
6 November 1944.

SUBJECT: Lead Bombardiers narrative, 95th "C" Squadron, Mission
Of 5 November, Ludwigshaven, Germany.

TO : Commanding Officer, 95th Bomb Group (H), APO 559.

1. Bombing Approach and Run -, Turned on I.P. in Group formation and bombed target P.F.F. Killed course with lead Squadron and rate on our own mickey set. After six mile check I took over ship and made slight correction on course and rate. Results were unobserved but believe results were good with bombs hitting slightly right of the target. could not kill course for assigned MPI because of high ground speed and indicies near bombs away. Was a P.F.F. drop.

2. Disposition of bombs - 13 A/C were dispatched to fly 95 C Squadron in the 13th B Group. Each A/C was loaded with 6 x 1000 # GP AN M-44, bombs fused 1/10 nose and 1/40 tail except the lead A/C No. 8040 which carried 4 x 1000 AN M-44 GP bombs fused 1/10 nose 1/40 tail. A/C 6475 aborted and returned all its bombs to the base. Thus 70 x 1000# GP bombs were dropped on the secondary target. (Ludwigshaven).

3. Types of release. The 70 bombs dropped armed on the target were released by intervolemeter (250feet).

4. Tabular Summary - A/C

| Main Bombfall | Over target | Bombing | Bombs No. | Size | Type | Fusing Nose | Tail |
|----------------------------------|-------------|---------|-----------|--------|------------|-------------|------|
| Ludwigshaven, Ger. | 12 | 12 | 70 | 1000 # | AN M-44 GP | 1/10 | 1/4 |
| Total on Target | | 12 | 70 | 1000 # | AN M-44 GP | 1/10 | 1/4 |
| Bombs Returned | | | 6 | 1000 # | AN M-44 GP | 1/10 | 1/4 |
| Other Expenditures | | | None | | | | |
| Total (Loaded on A/C taking off) | | | 76 | 1000 # | AN M-44 GP | 1/10 | 1/4 |

LEON SNEWLOFF,
2nd Lt., Air Corps,
Bombardier

CONFIDENTIAL

DECLASSIFIED

Authority AAIP 74505
By: B NARA Date 7-18-07

CONFIDENTIAL

HEADQUARTERS
NINETY FIFTH BOMBARDMENT GROUP (H)
Office of the Operations Officer

APC 559,
6 November 1944.

SUBJECT: Lead Bombardiers Narrative, 95th "C" Squadron, Mission
Of 5 November 1944, Ludwigshaven, Germany.

TO : Commanding Officer, 95th Bomb Group (H), APC 559.

1. Narrative.

- P.F.F.
- a. Bombing aids used were E-6-B, C-2, Computers and
 - b. Left turn approx. 50° on I.P. at 1105.
 - c. Bombbays opened 2 minutes after turn on I.P. (1107)
 - d. Flak was heavy and accurate, Weather was 9/10 to
10/10, no unusual enemy tactics interfered with the bomb run.
 - e. Results unobserved.
 - f. None.

2. Bombardiers LSE form attached.

3. Disposition of bombs - A/C

| Main Bombfall | over target | bombing | No. | Bombs size | type | nose | Fusin tail |
|----------------------------------|-------------|---------|-----|---------------|---------|---------|---------------|
| Ludwigshaven | 12 | 12 | 70 | 1000# | AN M-44 | GP 1/10 | 1/4 |
| Total on target | | | 70 | 1000# | AN M-44 | GP 1/10 | 1/4 |
| Bombs returned | | | 6 | 1000# | AN M-44 | GP 1/10 | 1/4 |
| Other expenditures | | | | None | | | |
| Total (loaded on A/C taking off) | | | 76 | 1000 | AN M-44 | GP 1/10 | 1/4 |

4. Types of release. All 70 bombs dropped armed on the
target were released by intervolemeter (250).

LEON SHEWELOFF,
2nd Lt., Air Corps,
Lead Bombardier.

CONFIDENTIAL

DECLASSIFIED

Authority AAD 74505

By *[Signature]* NARA Date 7-18-07

HEADQUARTERS
NINETY FIFTH BOMBARDMENT GROUP (H)
Office of the Engineering Officer

V-A-1.

APO 559,
6 November 1944.

SUBJECT: Engineering Report on Combat Mission of 5 November 1944.

TO : Commanding Officer, 95th Bombardment Group (H). Attention:
Lt Col MUMFORD.

1. The following information is submitted concerning combat mission of 5 November 1944.

- a. Thirty-eight (38) B-17G airplanes took-off as scheduled.
- b. Thirty-six (36) B-17G airplanes returned to base after completion of combat mission.
- c. B-17G 43-38814 is missing in action.

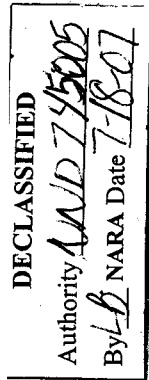
2. There was one (1) abortive airplane.

- a. 44-647E - #4 Supercharger failed due to circuit shortage in cannon plug to electronic regulator.

3. Battle damage is as follows:

- a. 44-8230 - Sheet metal.
- b. 42-31600 - Spar damage in rt wg by flak.
- c. 42-102455 - #4 main tank & #5 tokio tank chg due to flak.
- d. 42-107201 - Sheet metal & tokio tank hit by flak.
- e. 44-8305 - Major sheet metal damage.
- f. 42-31887 - Sheet metal damage.
- g. 42-97194 - #4 main tank & tokio tank chg (flak).
- h. 43-38255 - Left stabilizer chg & sheet metal (flak).
- i. 43-38617 - Rt outer wg panel chg (flak)
- j. 43-38469 - Major sheet metal & oil tank chg (flak).
- k. 44-6583 - #1 ignition harness chg (flak).
- l. 44-8040 - Sheet metal (flak).
- m. 43-38543 - Left wg chg & main tank chg (flak).
- n. 44-6522 - Major sheet metal (flak).
- o. 43-38067 - Major sheet metal (flak).
- p. 43-37783 - Major sheet metal (flak).
- q. 43-38288 - Tokio tank chg (flak).

CLARENCE D. FIELDS,
Major, Air Corps,
Base Engr. Officer.



HEADQUARTERS
NINETY FIFTH BOMBARDMENT GROUP (H)
OFFICE OF THE INTELLIGENCE OFFICER
APO 559

5 November 1944

SUBJECT: S-2 Letter, 95 A, B, C Squadrons.

TO : Commanding Officer, 95 Bomb Group (H), APO 559.

1. Eleven A/C plus one PFF A/C from the 95th Group took off beginning 0719 hours to form the lead squadron of the 13 B Combat Group to attack Ludwigshaven.

Twelve A/C plus one PFF A/C from the 95th Group took off beginning 0710 hours to form the high squadron of the 13 B Combat Group to attack Ludwigshaven.

Twelve A/C plus one PFF A/C from the 95th Group took off beginning 0733 hours to form the low squadron of the 13 B Combat Group. A/C 6475 aborted at 49°24'N - 06°28'E at 1049 hours due to #4 engine failure. A/C 8814 was hit by flak in the target area, and failed to return.

2. No enemy fighters were encountered, although one jet was seen at 49°30'N - 06°25'E.

3. Flak was encountered as follows:

Target - accurate, tracking to barrage, intense.

Barmstadt - Inaccurate, tracking, meager.

Worms - inaccurate, barrage, meager.

4. Bombing was done by PFF technique with visual assist, clouds breaking to about 5/10 over the target. Strike photos of 95 A and C squadrons indicate that their bombs fell out of their target area, near the junction of the Rhine and Neckar Rivers. 95 B Squadron bombs fell approximately 2,000 yards south of the MPI and just to the west of the intermediate and lycestuffs buildings of the plant.

5. The course was flown as briefed. Due to break in cloudcover the target area, visual aids were used in addition to PFF technique. Correction for rate was able to be made, but not for course. A/C #8814 was hit by flak in the target area, and tail assembly was damaged. The plane continued with the formation until 1132 hours to 49°40'N - 07°50'E, when the plane turned east again. Landing gear was down and all engines

were running, but the plane was losing altitude. Green flare was seen to come from the plane. The plane was last seen at 49°46'N - 08°07'E. No one bailed out.

Fighter support was good.

There was some delay in returning due to strong headwind.

All A/C landed by 1447 hours..

WILLIAM ROWELL,
Snd Lt., A. C.,
11/5/44

DECLASSIFIED
Authority AAD 11/5/05
By: B NARA Date 7/8/07

INTERPRETATION REPORT S.A. 2902ATTACK ON LUDWIGSHAFEN ON 5 NOV 1944

(i) INFORMATION RECEIVED ON THE ATTACK:

- (a) No. of aircraft : 408, with full fighter escort.
 (b) Command : U.S. 8TH AIR FORCE.
 (c) Time : 1109-1132A hours.
 (d) Bombs : 44 x 2000 lb. G.P.
 3295 x 1000 lb. G.P.

(ii) DETAILS OF THE ATTACK:

- (a) More than 65 bursts are seen in the target area of the I.G. FARBEN-INDUSTRIE A.G. with numerous hits mostly in the North half of the area. A concentration of over 50 bursts is seen blanketing the South half of LUDWIGSHAFEN marshalling yard with many hits on the sidings. Other groups of bursts are seen around the target area with many hits on business/residential buildings and several hits on buildings and rail sidings in the MANNHEIM dock area.

- (b) Bursts are seen on the I.G. FARBENINDUSTRIE A.G. as follows:
 (Numbers and letters used are taken from the Target Illustration).

1. AREA A - TRANSFORMER STATION:

- Transformers (1) : 1 hit.
 Circuit Breakers (2) : 1 probable hit.

2. AREA C - NITROGEN AND METHANOL PLANT:

- Methanol Synthesis (1) : 1 near hit.
 Methanol Plant (3) : 1 near hit.
 Alcohol Distillation (4) : 1 near hit.
 Switch and Transformer Houses (7) : 1 probable hit.
 Compressor House (20) : 1 probable hit.
 Nitric Acid Absorption Towers : 1 hit, 1 near hit.
 Ammonia Combustion (22) : 1 near hit.
 Main Offices and Laboratories (23) : 2 probable hits.
 Eight Unidentified Buildings : 9 hits (one building seen burning).

3. AREA E - LUBE OIL PLANT:

- Unidentified Building : 1 hit.

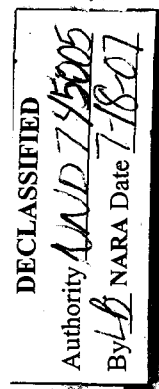
4. AREA F - NEW PLANT:

- Unidentified Building : 1 hit.

5. AREA G - OIL REFINERY:

- Two probable hits on installations.

/6. AREA H - WORKSHOPS AND STORAGE:



6. AREA H - WORKSHOPS AND STORAGE:

Large Unidentified Building : 1 hit.

Two Unidentified Buildings : 1 hit, 2 near hits.

7. AREA M - EXPERIMENTAL SYNTHETIC OIL PLANT:

Two bursts in the area - no hits seen.

8. AREA O - INTERMEDIATES AND DYESTUFFS:

Four Unidentified Buildings : 3 hits, 1 near hit.

9. AREA D - WATER WORKS:

Four bursts in the area - no hits seen.

(c) Bursts are seen on the LUDWIGSHAFEN marshalling yard and its facilities as follows: (Numbers used are taken from the Target Illustration).

1. LOCOMOTIVE AND REPAIR FACILITIES:

Locomotive Depot (4) : possible hits (smoke obscured).

Wagon Repair Shops (5) : possible hits (smoke obscured).

2. MARSHALLING YARDS:

Reception Sidings (1) : at least 20 hits (1 possible explosion).

Holding Sidings (10) : at least 30 hits.

3. THROUGH RUNNING LINES:

Junction (South end of yard) : at least 6 hits.

(d) OTHER BURSTS: (All bursts are measured from the large cooling tower in the Carbide Plant - Area I).

2 miles Southeast : group of at least 6 on highway leading to bridge crossing. Two near hits on unidentified buildings.

1-1/4 miles Southeast : scattered bursts with at least 5 hits on railroad sidings. At least 8 near hits on large unidentified buildings in dock area.

2 miles South : A concentration of at least 38 is seen in the residential area with hits on buildings and roads.

2-3/4 miles Southeast : three possible hits on small unidentified factory.

1-1/2 miles West : a group of at least 54 in fields and sparsely built up area.

2-1/2 miles South : a group of approximately 17 in built up area with possible hits on small buildings.

/1-1/4 mile Southeast

DECLASSIFIED

 Authority AAD 745005
 By L.H. NARA Date 7-18-07

DECLASSIFIED
Authority AND 745005
By L NARA Date 7-18-07

- 1-1/4 mile Southeast : two groups, each of at least 45, seen in built up area and dock area with probable hits on dock facilities.
- 3 miles South : at least 70 with hits on small buildings.
- 3 miles Southwest : approximately 50 in open fields.
- 2-1/2 miles Southwest : at least 30 in open fields and hutted camp area.
- 3 miles Southeast : at least 12 in a residential area.
- 3-1/2 miles South : at least 2 direct hits on a major road.
- 4-1/2 miles Southeast : five with 2 near hits to small buildings in a factory area.
- 4 miles Southeast : 35 in open fields.
- 2 miles Southwest : 60 in open areas with at least 3 hits on a road.
- 1-1/2 miles Southwest : 105 scattered with at least 25 in business/residential area and several hits on roads.
- 1-1/4 miles West/Northwest : 30 scattered with several hits in a business/residential area.
- 1-3/4 miles Northwest : 50 scattered with at least 4 hits in a business/residential area.
- 1000 yards North : 8 bursts in the RHEIN RIVER just East of the target area.
- 2 miles North/Northwest : 100 mostly in open areas and several in the RHEIN RIVER.
- 13 miles Northeast of MANN-HEIM : 20 scattered in open areas.
- 15-1/2 miles Southwest of LUDWIGSHAFEN WIGSHAFEN : at least 82 scattered in open fields with 3 probable hits on rail tracks near a fly-over one mile Northeast of LANDAU.

(iii) SMOKE SCREENS:

Smoke screens are seen in effective operation around the target area.

(iv) ACTIVITY:

(a) LUDWIGSHAFEN MARSHALLING YARD:

- 1. The yard is lightly loaded.
- 2. Four locomotives are seen in steam.

(b) MANNHEIM MARSHALLING YARD:

- 1. The yard is heavily loaded.
- 2. One locomotive is seen in steam.

/(c) MANNHEIM/SANDHOFEN AIRFIELD

(c) MANNHEIM/SANDHOFEN AIRFIELD:

1. No aircraft are visible on poor quality photographs.
2. No aircraft were present on 28 OCT 1944 (106G/3417).
3. The landing ground appears to be serviceable.

(d) MANNHEIM/STADT AIRFIELD:

1. No aircraft are visible.
2. No aircraft were visible on 28 OCT 1944 (106G/3433).
3. The landing ground is serviceable except for a few oraters near the North hangars.

(v) ANNOTATED PRINT: None prepared.

(vi) BOMB PLOT: A bomb plet has been prepared and will be distributed.

(vii) PHOTOGRAPHS RECEIVED:

| | | | | | | |
|----------------------------|----------|------------|----------|--------------|---------|-----|
| SAV 34/329 | 5 NOV 44 | 1119A hrs. | 1/27,800 | (F.L.12") | 27,800' | 'B' |
| " 96/682, 683 | " | 1131A " | 1/46,100 | (F.L. 7") | 26,850' | " |
| " 452/690-696 | " | 1128A " | 1/46,300 | " | 27,000' | 'A' |
| " 490/372-375, 377, 378 | " | 1123A " | 1/46,300 | " | " | " |
| " 34/331, 330 | " | 1119A " | 1/45,000 | " | 26,800' | " |
| " 94/1098 | " | 1115A " | 1/45,200 | " | 27,000' | 'B' |
| " 94/1099 | " | " " | 1/26,500 | (F.L.12") | 26,500' | 'A' |
| " 95/1156 | " | 1112A " | " | (F.L. 7") | 27,500' | 'B' |
| " 95/1159, 1160 | " | " " | " | (F.L.12") | 26,500' | 'A' |
| " 96/684 | " | 1130A " | 1/26,470 | " | 26,470' | 'B' |
| " 100/991, 995 | " | 1109A " | 1/44,600 | (F.L. 7") | 26,000' | " |
| " 100/990 | " | " " | 1/25,300 | (F.L.12") | 25,300' | " |
| " 385/865, 867, 868 | " | 1115A " | 1/45,300 | (F.L. 7") | 27,000' | " |
| " 388/741-744 | " | 1134A " | 1/45,300 | " | " | 'A' |
| " 486/544, 546, 547 | " | 1111A " | " | " | " | 'B' |
| " 487/482, 487 | " | 1114A " | 1/45,000 | " | 26,400' | 'A' |
| " 487/489 | " | " " | 1/27,400 | (F.L.12") | 27,400' | 'B' |
| " 493/400, 401 | " | 1122A " | 1/45,300 | (F.L. 7") | 27,000' | 'A' |
| " 493/396 | " | " " | 1/26,000 | (F.L.12") | 26,000' | " |
| O 34/134 | " | Unknown | Oblique | (F.L.6-3/8") | 27,800' | " |
| O 96/16 | " | " | " | " | 26,500' | " |
| O 486/200 | " | " | " | " | 26,000' | " |
| O 487/223 | " | " | " | " | 26,200' | " |
| SAV 447/743 | " | 1116A hrs. | 1/45,200 | (F.L. 7") | 27,000' | 'B' |
| " 447/745 | " | 1132A " | 1/45,100 | " | 26,700' | " |
| " 447/747 | " | 1115A " | 1/25,600 | (F.L.12") | 25,600' | " |

CONFIDENTIAL

A.C.I.U.

AB/JBH/RAC

DISTRIBUTION NO. 11-C

232 copies

DECLASSIFIED
 Authority AAW/D 745005
 By: J. NARA Date 7-18-07

INTERPRETATION REPORT NO. K.S. 1569

LOCALITY: MANNHEIM/LINDENDORF

(a) Heinrich Lanz. A.G. Artillery Tractors.

(b) Joseph Vogele, A.G. Rail & road engineering plant.

DAMAGE ASSESSMENT AND RECONSTRUCTION

(as seen on 18 NOV 1944)

PERIOD UNDER REVIEW

This report reviews the condition of the factories of H. Lanz. A.G. and J. Vogele A.G. up to 1430 hours on 18 NOV 1944 and includes damage resulting from the attack by aircraft of U.S. 8th AIR FORCE made on 5 NOV 1944.

The last report issued on damage to the H. Lanz. works was Immediate Interpretation Report No. K.3321 dated 29 OCT and on the J. Vogele plant was Immediate Interpretation Report No. K. 2823 issued on 4 AUG 1944.

GENERAL STATEMENT

Although nearly all the buildings comprising these two factories have been either destroyed or damaged as the result of attacks made on the town of Mannheim during the last two years, a large amount of repair work and reconstruction has been effected.

Most of the moderately damaged buildings have been repaired whilst in many places buildings destroyed or severely damaged have been rebuilt on a smaller scale. In the Lanz. plant the large assembly shop and the foundry building are now practically intact and external repairs to the power house are complete. Other buildings which now have little or no damage visible include the apprentice wood workers school, paint and tractor stores, a medium sized workshop, a repair shop and miscellaneous stores, and two shops for cutting, stamping, welding, pressing and assembly. The largest area of reconstruction is seen on the big building housing the lathe, painting, carpentry and assembly shops where more than two thirds of the original area has been rebuilt.

Reconstructional activity is also apparent throughout the smaller works of J. Vogele. A.G. The main engineering and assembly shop which was completely destroyed has a new building occupying slightly more than the Eastern half of the area covered by the former building. Extensive repairs have been carried out to a number of other buildings including, storage and despatch department, hydraulics plant, probable foundry and rolling mills and office block

New damage visible is confined to one corner of the paint and tractor stores and probable blast damage to the roof of the loading bays of the H. Lanz. works.

DETAILS OF DAMAGE AND RECONSTRUCTION

(Item numbers refer to those annotated on Illustration accompanying this report whilst numbers in parentheses refer to key to C.I.U. Plan No. D/175)

A. HEINRICH LANZ A.G. WORKS

| <u>Item</u> | <u>Name</u> | <u>Condition as seen on 18 NOV 1944</u> |
|-------------|--|---|
| 2. | School for apprentice wood-workers (2a) | Skylights previously damaged now repaired. |
| 3. | Timber store (3) | Destroyed. |
| 4. | Power station, oil stores and garage (8) | Previously three quarters destroyed, now completely repaired. |
| 5. | Lode repair shed and wood store (5 & 7) | Destroyed, now about half repaired. |
| 6. | Wood working shop (19) | Previously destroyed and rebuilt. Now has large hole in roof. |
| 7. | Lathe shop, assembly shop, and painting and carpenter shop. (22,23a,b & c) | Previously destroyed. Lathe shop now rebuilt. |
| 8. | Manufacturing and assembly shop for tractor wheels. (33) | Approximately 1/3 of the roof stripped, small portion of which has been replaced. |
| 9. | Probable stores for metal bars (35 & 36) | Destroyed. |

/10. Factory Guard's

DECLASSIFIED
Authority AAD 7505
By: B NARA Date 7-18-07

- | Name | Condition as seen on 18 NOV 1944 |
|---|--|
| 10. Factory guard's room (37) | Previously destroyed, now 3/4 repaired. |
| 11. Room used for demonstration threshing machines (39). | Destroyed. |
| 12. Tractor garage (38) | Destroyed. |
| 13. Store (40) | Destroyed. |
| 14. Probable laboratory and shop for testing producer gas apparatus, (41) | Previously destroyed; now approximately one-third rebuilt. |
| 15. Main assembly shop (54a to i incl) | One small annexe destroyed, and there are eight small holes in the roof. West side of the building was about half destroyed but is now rebuilt. Roofing repairs have been made to large areas in centre and Northeastern corner. |
| 17. Loading bays for finished equipment (58 & 59) | One-third destroyed. Small portion of roofing replaced. |
| 18. Painting and finishing shop and store for finished equipment (64) | Destroyed. |
| 19. Machinery component stores (62) | Destroyed. |
| 20. Paint and tractor stores (61a, b & c) | About one quarter of roofing was damaged but is now replaced. All skylights have been replaced. |
| 21. Wood stores (51) | Destroyed. |
| 22. Workshop (53) | One large hole in the roof. Two large holes have been repaired. |
| 23. Wood stores (50) | Destroyed. |
| 24. Drawing office (48) | One-fifth destroyed. |
| 25. Spares stores, packing and despatch (27) | Two small holes in the roof and small portion of the S. end and SE corner destroyed. Three large holes have been repaired and skylights replaced. |
| 26. Repair shop and Miscellaneous stores (28 & 29) | Destroyed. Small building now built on portion of site. |
| 27. Assembly shop, cutting, stamping and welding shop.(24) | Two small annexes have been destroyed. About one-fifth of the roof and all skylights have been replaced. |
| 28. Offices (26) | Destroyed. |
| 29. Turning shop (25) | Approximately two-thirds destroyed, remainder heavily damaged. Small portion at Southwestern corner rebuilt. |
| 30. Offices (14) | Destroyed. |
| 31. Hot stamping, pressing and welding shops (15-17) | Four small holes in the roof. Nearly half of the roofing has been replaced. |
| 32. Canteen (13) | One small hole in roof; Southern end rebuilt and a large hole along the center of the roof has been repaired. |
| 33. Foundry (1, 1a, 1b) | Half of the Northwestern bay is destroyed. Many skylights have been repaired. There are also two small holes in the main part of the roof. |

B. JOSEPH VOGELE A.G. WORKS

- | | |
|---|---|
| 1. Storage, Despatch and Offices (66) | Two bays have been destroyed and approximately two-thirds of one small bay is heavily damaged. The W.&S. ends of the main building have been reconstructed. |
| 2. Possible stores (67) | N.W. corner and one large hole in the roof have been repaired. |
| 3. Unidentified building | Destroyed. |
| 4. General engineering and assembly shop (69) | Building approximately half size of former shop now, but is now seen occupying Eastern half of area. |
| 5. Woodworking shop (70) | Destroyed. |
| 7. Offices (73) | Corner previously destroyed now completely repaired. |

/ 8. Hydraulics

DECLASSIFIED

 Authority AWD 745005
 By: B NARA Date 7-18-07

- | | | |
|-----|---|---|
| 8. | Hydraulics (75) | S. end destroyed. Approximately $\frac{1}{2}$ of the building was destroyed but has been reconstructed. |
| 9. | Small unidentified building | Destroyed and reconstructed. |
| 10. | Machine shop (76) | Half destroyed. Two-thirds of roof of other half has been repaired. |
| 11. | Probable foundry and rolling mill (79 & 80) | One bay and two small annexes have been destroyed. One destroyed bay has been reconstructed and another bay half destroyed is now repaired. |
| 12. | Boilerhouse (77) | Destroyed. |

PHOTOGRAPHY BY: 22 Squadron.

SORTIE: US7/3590.

MEAN TIME AND DATE OF PHOTOGRAPHY: 1430a hours on 18 NOV 1944.

SCALE: 1/8,600 (F.L.36")

COVER AND QUALITY: Both works are fully covered on photographs of medium quality.

MATERIAL USED: Plan of works C.I.U. Plan No. D/175 and following comparative sorties;

| | | | |
|------------|-------------|-------|-------------|
| US7GR/3228 | 10 SEP 1944 | E/332 | 7 OCT 1943 |
| 106G/585 | 29 MAY 1944 | E/271 | 24 SEP 1943 |
| E/636 | 29 NOV 1943 | E/172 | 9 SEP 1943 |
| E/382 | 17 OCT 1943 | D/997 | 16 AUG 1943 |

PREVIOUS REPORTS ISSUED:

| | | |
|-----|--------------------------|--------------------|
| No. | K. 3321 (Immed) | dated 29 OCT 1944. |
| " | K. 3128 | " " 11 SEP 1944. |
| " | K. 2823 | " " 4 AUG 1944. |
| " | K. 1824 (Supp. to Immed) | dated 5 DEC 1943. |
| " | K. 1714 | dated 29 SEP 1944. |
| " | K. 1663 (Immed) | dated 17 AUG 1943. |
| " | K. 1536 | dated 29 APR 1943. |

MATERIAL DISTRIBUTED: Illustration showing damage and reconstruction.

CONFIDENTIAL.

A.C.I.U.

RAW/PR

DISTRIBUTION NO. 91C

492 COPIES

DECLASSIFIED
 Authority AAI D 745005
 RVLB NARA Date 7-18-07

Mac

HEADQUARTERS EIGHTH AIR FORCE
AAF STATION 101
APO 634

INTOPS SUMMARY NO. 189

PERIOD: 0001 hours 4 November 1944 to 2400 hours 5 November 1944

A. STATISTICS

| | <u>Missions</u> | <u>Disp.</u> | <u>Sorties</u> | <u>Atkg.</u> | <u>Tonnage</u> | <u>Claims</u> | <u>Losses</u> | | | | <u>Totals</u> |
|--------------------|-----------------|--------------|----------------|--------------|----------------|---------------|---------------|-----------|------------|-----------|---------------|
| | | | | | | | <u>E/A</u> | <u>AA</u> | <u>N/E</u> | <u>OT</u> | |
| Heavy Bomber Atks. | 3 | 1272* | 1240 | 1214 | 3620.8 | 0-0-0 | 0 | 9 | 2 | 13 | 24 |
| Fighter Escort | 15 | 666 | 626 | 0 | 0 | 0-0-0 | 0 | 2 | 0 | 11 | 13 |
| Fighter Sweeps | 0 | 0 | 0 | 0 | 0 | 0-0-0 | 0 | 0 | 0 | 0 | 0 |
| Fighter Bombing | 0 | 0 | 0 | 0 | 0 | 0-0-0 | 0 | 0 | 0 | 0 | 0 |
| Photo Recon. | 4 | 4 | 4 | 0 | 0 | 0-0-0 | 0 | 0 | 0 | 0 | 0 |
| Weather Recon. | 7 | 35 | 34 | 0 | 0 | 0-0-0 | 0 | 0 | 0 | 0 | 0 |
| Air/Sea Rescue | 6 | 15 | 15 | 0 | 0 | 0-0-0 | 0 | 0 | 0 | 0 | 0 |
| Special Operations | <u>11</u> | <u>32</u> | <u>31</u> | <u>0</u> | <u>0</u> | <u>0-0-0</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> |
| Totals | 46 | 2024 | 1950 | 1214 | 3620.8 | 0-0-0 | 0 | 11 | 2 | 24 | 37 |

* 17 Spares, 10 used

B. OPERATIONAL SUMMARY

1. Bomber Attacks

29 combat wings (906 B-17s, 366 B-24s - 1272 a/c) dispatched in three forces against Frankfurt M/Y and tactical targets in the Metz and Thionville areas Assigned primaries cloud covered. 1214 a/c dropped 3620.8 tons GP on assigned secondaries, Frankfurt M/Y, Karlsruhe M/Y, Ludwigshafen M/Y, Ludwigshafen Synthetic Oil plant and several other targets. Secondaries bombed on PFF in most instances. No enemy air opposition. Claims: nil. Losses: 24 a/c (17 B-17s, 7 B-24s, including three category "E").

First Force

Twelve combat wings (452 B-17s, 1st Division) dispatched against Frankfurt M/Y. 436 a/c dropped 1283.5 tons G. P. on assigned target and five other targets at 1107-1126 hours from 24,000-27,000 feet. Bombing on H2X except for 11 a/c which bombed visually. Leaflets dropped on Frankfurt. Weather: 8/10-10/10 in target area. Flak: moderate to intense, accurate over Frankfurt. Battle Damage: 91 minor, 35 major. E/a opposition: nil. Claims: nil. Losses: nil.

DECLASSIFIED
Authority *AAID 745005*
By *LD* NARA Date *7-18-07*

Fighter Support: Five groups (48 P-47s, 172 P-51s - 220 a/c) dispatched Up 0914-0930 hours, down 1330-1425 hours. 206 sorties. E/a opposition: nil. One group strafed miscellaneous ground targets, destroying 12 locos, 2 box cars, 7 trucks, 1 high line tower, damaging 41 box cars, 1 switch tower. Claims: nil. Losses: 3 P-51s, (1 to AA, 1 believed safe in England, 1 believed landed in Belgium).

Details of bomber attack as follows:

| <u>Assigned Targets</u> | <u>Dispatched</u> | <u>Attacking</u> | <u>Tonnage</u> GP | <u>Results</u> |
|-------------------------|-------------------|------------------|----------------------|----------------|
| Frankfurt M/Y | 452 | 396 | 1162.5 | Fair-Good |
| <u>Other Targets</u> | | | | |
| Hanau M/Y | | 36 | 107.5 | Poor |
| 4 u/i T/Os | | 4 | 13.5 | |
| Totals | 452 | 436 | 1283.5 | |

Second Force

Twelve combat wings (454 B-17s 3rd Division) dispatched against tactical targets in Thionville area if weather permitted visual bombing. Targets cloud covered. 433 a/c dropped 1257 tons GP on two assigned secondaries at Ludwigshafen and five other targets at 1108-1133 hours from 26,000-28,000 feet. Bombing both visual and on H2X. Leaflets dropped in Ludwigshafen area. Weather: 3/10-5/10 cloud over Ludwigshafen area. Flak: moderate to intense, accurate in target area. Battle damage: 218 minor, 80 major. E/a opposition: nil. Two possible jet-propelled e/a observed south of Kaiserlautern but no attack. Claims: nil. Losses: 17 B-17s (9 to AA, two to accident, 6 to unknown causes).

Fighter Support: Five groups (34 P-47s, 174 P-51s - 208 a/c) dispatched. Up 0917-0955 hours, down 1349-1450 hours. 192 sorties. E/a opposition: nil. U/i jet a/c sighted west of Karlsruhe. One group strafed assigned area destroying 21 locos, damaging 2 locos, 65 RR cars, 3 barges, 5 trucks. Claims: nil. Losses: 7 P-51s (believed safe on Continent).

Details of bomber attack as follows:

| <u>Assigned Targets</u> | <u>Dispatched</u> | <u>Attacking</u> | <u>Tonnage</u> GP | <u>Results</u> |
|----------------------------------|-------------------|------------------|----------------------|----------------|
| Ludwigshafen M/Y | 229 | 219 | 640.5 | Good |
| Ludwigshafen Synthetic Oil Plant | 225 | 177 | 507.0 | Fair-Good |
| <u>Other Targets</u> | | | | |
| Kaiserlautern M/Y | | 33 | 99.0 | Unobserved |
| 4 T/Os | | 4 | 10.5 | Unobserved |
| Totals | 454 | 433 | 1257.0 | |

DECLASSIFIED
 Authority AAD 745005
 By: NARA Date 7-18-07

S E C R E T

Third Force

Five combat wings (366 B-24s, 2nd Division) dispatched against tactical targets in Metz area if weather permitted visual bombing. Cloud 9/10-10/10 at primaries. 345 a/c dropped 1080.3 tons on assigned secondary, Karlsruhe M/Y, and one T/O at 1127-1142 hours from 21,000-24,000 feet. Secondary bombed on H2X, T/O visually. Leaflets dropped on Karlsruhe. Weather: 9/10-10/10 over target. Flak: moderate, inaccurate. Battle damage: 28 Minor, 0 Major. E/a opposition: nil. Claims: nil. Losses: 7 B-24s, including three crash-landed in U.K.

Fighter Support: Five groups (48 P-47s, 190 P-51s - 238 a/c) dispatched Up 0907-0930 hours, down 1410-1455 hours. 228 sorties. E/a opposition: one Me-109 bounced in vicinity of St. Nicholas, lost in clouds; two jet a/c sighted in vicinity of Nancy, probably Me-262s; four Me-109s sighted in Karlsruhe area - no combats. Two groups strafed rail and highway traffic in Stuttgart, and Mannheim areas. Claims: 0-0-0. Losses: 3 a/c (1 P-51 to AA, 1 P-47 ditched, 1 P-51 believed safe on Continent).

Ground claims from strafing are as follows:

| <u>Destroyed</u> | <u>Damaged</u> |
|------------------|-------------------|
| 4 locos | 10 locos |
| 3 oil cars | 78 box cars |
| 2 box cars | 10 passenger cars |
| | 7 trucks |
| | 1 RR station |

Details of bomber attack as follows:

| <u>Assigned Targets</u> | <u>Dispatched</u> | <u>Attacking</u> | <u>Tonnage</u> | <u>Results</u> |
|-------------------------|-------------------|------------------|---------------------|----------------|
| Karlsruhe M/Y | 366 | 333 | <u>GP</u> 1036.3 | Unobserved |
| <u>Other Targets</u> | | | | |
| Landau RR | _____ | <u>12</u> | <u>44.0</u> | Fair |
| Totals | 366 | 345 | 1080.3 | |

2. Fighter Escort

Fifteen groups (130 P-47s, 536 P-51s - 666 a/c) dispatched to support bombers. Up 0907-0953 hours, down 1330-1455 hours. 626 sorties. E/a opposition: one Me-109 bounced in vicinity, lost in clouds. Sighted u/i a/c west of Karlsruhe, two jet a/c in vicinity of Nancy, four Me-109s in Karlsruhe area - no combats. Claims: nil. Losses: 13 a/c (2 P-51s to AA, 1 P-47 ditched in Channel, 9 P-51s believed safe on Continent, 1 P-51 believed safe in England).

DECLASSIFIED
Authority AWD 74505
R/LB NARA Date 7-18-07

Total ground claims from strafing as follows:

| <u>Destroyed</u> | <u>Damaged</u> |
|-------------------|----------------|
| 37 locos | 12 locos |
| 4 box cars | 119 box cars |
| 7 trucks | 75 RR cars |
| 3 oil cars | 12 trucks |
| 1 high line tower | 3 barges |
| | 1 RR station |
| | 1 switch tower |

3. Fighter Sweeps

Nil.

4. Fighter Bombing

Nil.

5. Photo Reconnaissance

Four a/c (3 F-5s, 1 Spitfire) dispatched as follows: one a/c partially successful in obtaining D/A photos of Allach, Lechfeld and Sindelfingen; three a/c unable to obtain D/A photos due to clouds but other photos obtained. All a/c returned safely.

6. Weather Reconnaissance

35 a/c (2 B-24s, 1 B-17, 4 Mosquitoes, 28 P-51s) dispatched as follows:

28 P-51s dispatched as weather scouts for bomber formations. One early return.

7 a/c (2 B-24s, 1 B-17, 4 Mosquitoes) dispatched on routine weather reconnaissance: two B-24s completed weather flight over Atlantic (one a/c to Azpres and one returned from Azores); one B-17 completed heavy weather flight over sea to northwest of Lands End; four Mosquitoes completed light weather reconnaissance over southwest Germany, northern France, England and Ireland, Hamburg and Ruhr area and Brest and Paris area.

All a/c returned safely.

7. Air/Sea Rescue

15 P-47s dispatched on routine patrol. Search for fighter pilot curtailed by bad weather. All a/c returned safely.

8. Special Operations

32 a/c dispatched as follows:

9 a/c (3 B-17s, 6 B-24s) dispatched on leaflet operations. Eight a/c dropped leaflets over France, Germany and Holland. All a/c returned safely.

23 a/c (1 B-17, 4 P-47s, 18 P-51s) dispatched on radio relay operations. All a/c returned safely.

DECLASSIFIED
 Authority AWD 74505
 By LD NARA Date 7-18-07

C. INTELLIGENCE1. Enemy Air opposition

There was no organized air opposition to any of the forces. A few s/e e/a were seen at 20,000 feet in the Karlsruhe area at 1130 hours, and two more in the Mourmelon area at 1300 hours at 8,000 feet. None of these were aggressive. A few jet a/c were also seen in the distance - also not aggressive.

Weather was not bad enough to prevent e/a from operating. Cloud was 9/10 from 2000/8000 feet, with some fairly large clear spaces.

2. Flak

| | |
|--------------|---------------------------------|
| Frankfurt | - moderate to intense, accurate |
| Ludwigshafen | - moderate to intense, accurate |
| Karlsruhe | - moderate, inaccurate |
| Coblenz | - meager, inaccurate |
| Weisbaden | - meager, inaccurate |
| Worms | - meager to moderate, accurate |

3. Observations

Supply dump with rr spur line and concrete roadway leading into it at 5011N-0702E.

Camouflaged barracks and warehouses in wooded area at 4828N-0710E.

15 large buildings with red crosses on white background at 4855N-0750E

15 u/i e/a parked on field at 4845N-0715E at Phalsbourg.

New A/F with one long runway NE and SE at 4842N-0652E; t/e bombers dispersed on field.

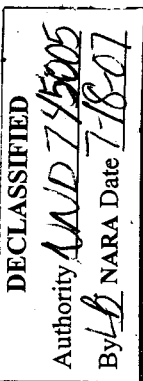
4. Damage to Enemy InstallationsFrankfurt M/Y - Fair to good results

Clouds of varying density from 3/10 to 9/10 covered city of Frankfurt and surrounding territory. This cloud cover in addition to ground haze make complete assessment of strikes impossible. The following concentrations and groups of bursts could be plotted in the immediate vicinity of Frankfurt: (distances are from center of city to center of concentration).

Railroad M/Y, 2 miles SW - one concentration of approximately 30 heavy GP bombs seen bursting in residential area, 40/70 percent built up, immediately SE of railway work shop and extended into southern M/Y.

A group of about 15 bursts seen in central portion of southern yard. Direct hits on rail lines in the vicinity. Cloud prevents plotting all of the bursts of these two concentrations. Severe damage should result to residences and warehouses adjacent to these two yards.

Frankfurt/Robstock A/F - 2 1/2 miles west approximately 40 heavy GP bombs burst along southern border of A/F and in sparsely built up area south of it. These bombs fell into southern installations area which contains two medium sized hangars, stores, barracks and storage buildings. Bursts cannot be definitely pin-pointed, due to ground haze. Damage should result to these



installations from possible direct hits and blast of near misses. Thru heavy cloud it was impossible to see about ten scattered bursts along northeastern portion of A/F. Damage will be slight since most of these bombs have fallen into open areas.

West Harbor - $1\frac{1}{2}$ miles SE of center of town. One concentration of approximately 40 HE bombs burst in northeastern portion of West Harbor area, which contains numerous warehouses, also extending into fully built up residential area along both banks of River Main. Severe damage should be achieved in this area.

Miscellaneous - the following groups of bursts of heavy GP bombs seen in installations areas throughout city of Frankfurt.

- a. Approximately 6 bursts plotted along northern fringe of central city area sections 40/70 percent built up.
- b. Concentration of about 50 bursts seen in fully built up areas one mile south of city along southern banks of River Main.
- c. Approximately 50 bombs bursts in vicinity of stadium in adjacent woods $2\frac{1}{2}$ miles SW of center of Frankfurt.
- d. Thru a break in cloud approximately 6 bursts seen in residential area 10/40 percent built up, located 3 miles SW of the center of city. The above bursts are only portions of concentrations, the majority of the bombs falling toward center of city but no bursts could be observed.

Hanau - Poor results

Approximately 60 heavy GP bombs burst in what appears to be a barracks area and in open areas one mile east of M/Y and $1/2$ miles west of ordance depot. Several of barrakos may be damaged from blast. However, the majority of these bombs fell into open fields and wooded areas. A group of 20 bursts seen in wooded area approximately $2\frac{1}{2}$ miles NW of Harbor and $8\frac{1}{2}$ miles NE of Frankfurt.

Ludwigshafen Chemical Plant - Fair to Good Results

Bombed by four groups and one squadron. Three other groups dropped bombs in vicinity but did not hit plant. Part of pattern for one group fell across part of the nitrogen and menthenol plant. Bursts noted in the area occupied by the compression boiler houses, gas generators, turbine house, switch and transformer houses. A tight cluster of bombs noted on or near the pump house of the water works and the offices and laboratories. Part of another pattern fell on the new plant, the Lube oil plant and across one end of the above noted plant. The remainder of the strikes noted in the extreme southern end of the plant on u/i buildings. Six or seven stray bursts noted on or near the experimental plant. Smoke prevented accurate plotting of the bursts. No unusual disturbances were noted with the exception of what appeared to be a fire in the building on the southern boundary of the nitrogen and menthenol plant.

Ludwigshafen M/Y - Good results

Bombed by three groups using 1000 lb GP bombs from approximately four squadrons blanketed the yard and the adjoining suburban areas. Three other squadrons blanketed the adjoining suburban and farm areas. About two or four stray bursts were seen in one of the plant areas, one mile south of the M/Y.

DECLASSIFIED
Authority AWD 745005
By LB NARA Date 7-18-07

S E C R E T

Kaiserlautern M/Y - Unobserved Results

10/10 cloud.

Karlsruhe M/Y - Unobserved Results

10/10 cloud.

Landau (T/O) - Fair Results

field. Approximately five hits on rail sidings, majority of pattern in adjacent

NOTE: The foregoing is based on preliminary reports and is not to be used for record purposes.

DECLASSIFIED

Authority AA/D 745005

By B NARA Date 7-18-07