BOMBER CONSIAND REPORT ON NIGHT OPERATIONS

1/2nd OCTOBER, 1943.

HAGEN: Witten.

SUMMARY.

- 1. Heren. Despite 10/10ths cloud, 229 Lancasters attacked the steel centre of Hagen in the eastern Ruhr with devastating effect. Mosquitoes groundmarked the target accurately on ORDE, and were well supported by Lancaster backers-up. Reconnaissance showed that 39 factories were hit, including the largest accumulator works in Germany, which was scricusly affected. Railway and commercial property also suffered severely. Few fighters were seen, and only one aircraft was lost.
- 2. <u>Witten</u>. 12 OBOE Mosquitoes were detailed to attack the steel works at Witten, for training purposes, at the end of the main attack on Hagen. 3 completed their task, and 2 of those which failed joined the main force and bombed Hagen by the light of the fires. 2 other sorties were abortive. All aircraft returned safely.

WEATHER PORECAST.

3. Midnight frontal positions:- (1) cold from 59°N.04°E. to wash to S.W. England (2) warm from 59°N.04°E. to 56°N.10°E. to 56°N.13°E. becoming (3) cold to 572°N.20°E. thence (4) warm to Stettin to Rassol.

Bases:- Belt of rain and low cloud in vicinity of cold front; aloud will break and lift to the M., but will be low and heavy to the S. At dusk, oper tronglares will have much atrato-cumulus, base 1,500', tops 5,000', with moderate vigibility. A few patches at 800', especially later. Most areas should keep cloud base at 1,000-1,500' throughout operational period.

Germany: - Sheet of strate-cumulus will cover the whole of Germany for most of the night; some breaks are likely, but their position cannot be forecast. Belt of continuous cloud along warm front (4), not above 12,000'. Stuttgart: probably 10/10ths strate-cumulus, 2,000' thick, with a chance of small amounts; layers of stratus and strate-cumulus below 5,000' on route, with medium cloud above Ruhr: 8-10/10"hs strate-cumulus in layers between 1,000' and 5,000' with a few patches of medium cloud above; similar conditions on route. Winds over Ruhr: 280°/25 m.p.h., possibly increasing to 35 m.p.h. at 13,000'.

W. France: - Lorient, Nantes: 10/10ths strato-cumulus, base about 1,000', with risk of patches of stratus below, possibly 10/10ths in N.

Prisiens:- 10/10ths strato-ournlus, base bel 27,1,000', local fog patches.

HAGPIN.

PLAT OF ATTACK.

- 4. Route: 525.N. 0330E. Egmond 5145N.0800E HAGEN 5030N.0730E 5020N.
 0132E Benchy Hend.
- 5. Tectics. OBOE Mosquitoes were to mark the exact siming oint with T.I.mc. Fackers-up were to maintain this marking with T.I. green, aimed at reds if visible, of the estimated centre of those greens already dropped, evershooting in either case by 4 seconds. Supporters and Main Force aircraft were to aim at reds to a the entre of greens. Reds were to caseade from 6,000' and 10,000'. Court

were aspecially warned not to bomb before zero. MONICA was not to be used between zero + 30 and zero + 90. WINDOW was to be dropped from 0345E. to the target and back to 0136E; at the rate of one bundle every 2 minutes on the accur ward journey, 2 bundles per minute within 20 miles of the target, and one beand 1 per minute on the homoward route.

| . <u>T</u> | ining | Zero hour: 2100 hrs. | Duration | of Attack: :057-2 | |
|------------|-----------|--------------------------|---------------|---|---------|
| Мов | qui toes. | Back: rs-up | And S | Mai Amos. | |
| at ze: | ro - 3 | 9 Lane. from zero to | zero + 10 | 20 Leno. at Z + 1 | (Supp |
| at zer | ro - 1 | (1 aircraft each min | nute | 70 Lanc.fr m Z to | 2 + 4 |
| at zu | ro + 3 | except at Mosqui | to times) | 69 Lanc. from Z + | 4 to 2 |
| at so | ro + 7 | | | 70 Lanc. from Z + | 8 to 7 |
| at ze | ro + 11 | | | | 151500 |
| | י מים | faulten landa | * | 2.50 | KI |
| • | F.F. S | Marker-loads. | | _ | 100 |
| 141 | 8 M | osquitoes: 2 2 | .I. rid LB + | 2 2. red. | <u></u> |
| | 9 L | ancaster backers-up: 2 T | .I. green LB | + ? !I green. | |
| | | | | ~ ~ ~ ~ | 25.4 |
| CETTES | | | | | (9.0) |
| | | * | | | |
| . 1 | o. of a, | o despatched | | | 251 |
| | it 1 | reporting attack on r | rimary area . | • | 234 |
| 4 | | | | c | |
| - 11 | " al | ortive sorties (tech. | defect of na | ni ulative error. | .7) |
| | | | | | |

"RATHER EDPE ENCED.

9. Bases: - Much strato-curulus, base 1,500-2,000'; very locally below in a belt of slight rain which affected Yorkshire at 0100 hours, and moved s S., reaching East anglia at 0500-0600 hours. Visibility moderate.

(reserve markers, not required2)

Route: - 8-10/10 the strato-oumulus, breaking eccasionally to 5/10 the North Sea; tops 6-8,000. Isolated patches of medium cloud. Wind at 20,000 out, 250/40 n.p.h., decreasing to 30 m.p.h. in target area; home, veering pually from target to Channel from 260° to 360°, and decreasing to 20 m.p.h.

Hagen: 9-10/10ths layer cloud, tops 6-8,000'. Good visibility.

No moon. Wind at 20,000': 260°/30 m.p.h.

NIGHT PHOTOGRAPHIC STATISTICS.

10. No useful photographs were returned, owing to cloud condition over target.

UR LATITE OF ATTACK.

The Mosquitees marked accurately and well on time, although a technic prince resulted in a gap from zero ÷ 4 to zero + 9. The reserve Mosquito visalled, but bombed late. The secondary marking was accurate and continuous zero - 1 to zero + 11, bridging the gap in the princery marking. All 9 backers attacked. The unin force saw the T.I. clearly despite the cloud, and delivery concentrated clack. The lack of photographic evidence makes it impossible detail the course of the raid.

DAY RECONNAISS NOE.

12. Photograph: taken on 3rd and 4th Cotober showed very heavy damage to it dustrial, commercial and residential property, especially in the central and southern areas of the town, the districts of altenhagen and Wehringhausen, and the control of the town, the districts of altenhagen and wehringhausen, and the control of the town, the districts of altenhagen and wehringhausen, and the control of the town, the districts of altenhagen and wehringhausen, and the control of the town, the districts of altenhagen and we have control of the town, the districts of altenhagen and we have a second of the town, the districts of altenhagen and we have a second of the town, the districts of altenhagen and we have a second of the town, the districts of altenhagen and we have a second of the town, the districts of altenhagen and we have a second of the town, the districts of altenhagen and we have a second of the town, the districts of altenhagen and we have a second of the town, the districts of altenhagen and we have a second of the town, the districts of altenhagen and we have a second of the town, the districts of altenhagen and we have a second of the town, the districts of altenhagen and we have a second of the town, the districts of altenhagen and we have a second of the town, the districts of altenhagen and the second of the town are the second of the town and the second of the town

the factories in the valleys of the Ennese and Volne rivers. The important accumulatoren l'abrik, the largest factory of its kind in Germany (pricrity 1+), and Pahrradteilefabrik Wipperman (priority 2) suffered extensively. At least 37 other factories were hit, including 2 steelworks, 11 manufacturers of specialized steel or iron, a glassworks and a paper factory. The gas and electricity works at altenhagen, the Guildhall, the Town Hall, the Slaughterhouse, the Minicipal Offices, the Telegraph Office and the Savings Bank were destroyed or partly denclished. Pailway property sustained severe damage at several points; the Bahmhof Delsters in the S.E. was gutted, a bridge carrying Gas Strasse across the railway junction of the main station was (emclished, and 3 large railway buildings adjoining the main station, including the goods despatch sheds, were destroyed or badly damaged. Business and residential property suffered on a similar scale, and Altenhagen, Webringhausen and the S.E. were virtually devastated.

D.MAGE ASSESSMENT.

13. A report issued by the Ministry of Home Security (Research and Experiments Department) estimates that 4,600 people in Hagen lost their homes, that a total of 18,400 suffered damage to their homes as a result of the raid; and that 7.6 million industrial men-hours were lost, an average of 20 days per industrial worker in Hagen. These figures are very approximate.

ALTERNATIVE TARGETT.

14. 5 aircraft resorted to alternative targets, in the areas of Cologne, Munster, Koblenz, Hagen and Berg Neustadt. A sixth aircraft jettisoned and H.E. boob live near alternahr on its way back from the target.

SPECIAL EQUIPMENT

- 15. OBCE 5 OBCE Mosquitoes were detailed to mark the target, with 3 sircreft in reserve. One Mosquito had an OBCE failure, and the reserve, although called, did not bomb until after the attack should have finished. The timing of the other 4 sircraft was good, but this failure led to a gap of 5 minutes between the second and third sircraft. The marking appears to have been very accurate.
- 16. GET The Eastern Chain operated on the Wyoming frequency throughout and on the Arizona from 930 to 2300 hours. The interference was of the usual types, but was very light on the Zanesville frequency over Holland. The Arizona signals were the weakest. Excellent ranges were obtained on Zanesville on the outward route, several navigators receiving fixes over the target. The average range was 310 miles.

ENEMY DEPENCES

- 17. Flak and Searchlights Moderately intense flak was encountered from Hagen and also from Dortmund. Some crews believed that an attompt was being made to select individual targets for unseen fire; but most of the time a barrage was put up. Searchlights were rendered useless by the cloud. Outside the Ruhr, opposition as met from the guns of Amsterdam, Munster, Hamm, Amiens and Charleroi. 33 returning aircraft were hit by flak.
- 18. Pinters For the first time for many weeks, fighters took second place to flak as a method of defence. No flare lanes were reported, and only 3 benders were attacked. None of the usual activity was evident over the target and the early part of the return route. Cloud covering the target and most of the route must have caused the enemy serious fears that his fighters would be unable to see any visual aids to navigation; and the whole attack was planned to be completed in 15 minutes, which gave the running commentator little time to mass his fighters over Hagen. R/T traffic showed that such fighters as were active operated under G.C.I. direction or the double Benito system. No fighter damage was reported.

CASUALTIES

| 19. | No. | of | aircr | oft missi | ng 1 (0.45) |
|-----|-----|----|-------|-----------|---------------------------|
| | * | п | n | damaged | (flak |
| | | | | | /One Lancaster of 5 Group |

One Lancaster of 5 Group was missing; it is believed to have been shot down by flak over limiter 5 minutes before zero hour. The rate of loss on thin night (0.4%) is exceptionally low for a Ruhr target. Another Larcaster was washed up on the Welsh coast; none of the crow was found.

WITTEN

20. 12 OBOE Mosquitoes were detailed to attack the steelworks at Witten for training purposes after the end of the main effort. 8 aircraft bombed the prime which was covered with 10/10ths. cloud to 6,000; 2 circraft experienced technic difficulties and attacked Magen visually. The remaining 2 aircraft returned early with GEE and engine failure. Accurate flak was encountered, which damages bombers, but no fighters were seen, and no losses were sustained.

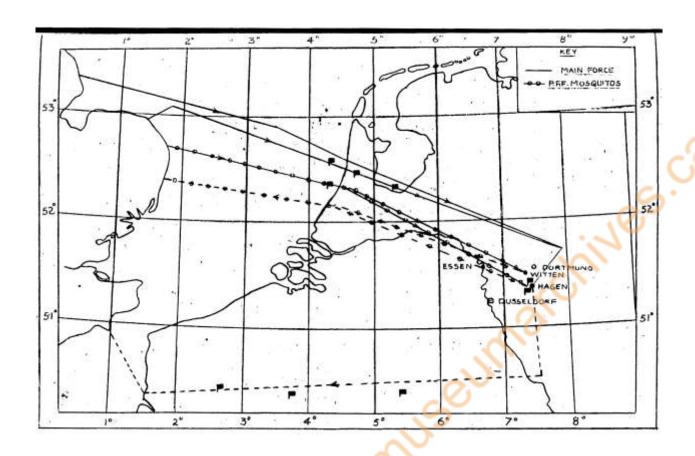
MLM/JT. BC/S.26342/1/ORS3, 25th. November, 1943.

| 200 | T | AIRCRAPT | SORTIES | | PORT INC | ABOR SORT | ZIVE | MISS- | FLAK | Day . | I MINC. | OTHER | ATTACK- | TIONS | RESULTS |
|-------------|-----------|--------------------------------|-------------|---------------|----------|--------------|----------------------|-------|-----------------|---------|--------------|---------|---------|---------|---|
| Parcet | GROUP | TYPE | 30g0 133 | PRIM. ARKA | AREA | | NOT OVER E. T. | 1 | Flash | FISHTAN | IN FLIGHT | C.,USES | !D | ATT.CX- | Yons of Bombs H.E. Inc. |
| (ACS) | 8 | Hosq.IX Hosq.IV Lanc.III | 5 2 9 | 2 9 | i | 2*+1 | - | Ē | i | - | : | 1 | | - | P.555.7 590.4 A. 13.8 13.1 II. 1.7 2. |
| | 8 M.P. | Lanc. III | 19 | 18 | 1+10 | -4 | | - | 5 | - | 1 | - | 10.0 | 2 | Heavy Bombs |
| i i | 1 | Lanc. I | 10 80 | 10 76 | ī | - | 3 | Ξ. | 8+140 | | : | - 1 | ī | 2 | P. 224 |
| | 5 | Lanc. III | 23 . 102 | 22 94 | 3 | 1/ | ī. | 1 | 3+1±0 3±(+11 | | 187+140 | - | 1 | 4 | A. 4 H. 1 |
| MAGEN TOTAL | | | 251 | 234 | 5 | 4 | 7 | 1 | 5,4:28 | _ | 18+14C +1 | - | 3 | 9 | Torus of Bombs |
| TTIBE | B PFF | Mosq.IX Hong.IV | 11 | 8 | ; | Ē | 2 | - 3 | 3 | - 1 | : | 15 | | - | P. 6.2 |
| TOPAT. | | | 263 | 21.2 | 7 | 4 | 9 | | 5.,C+31 | | 1E+1+C | - | 3 | 9 | 180 |

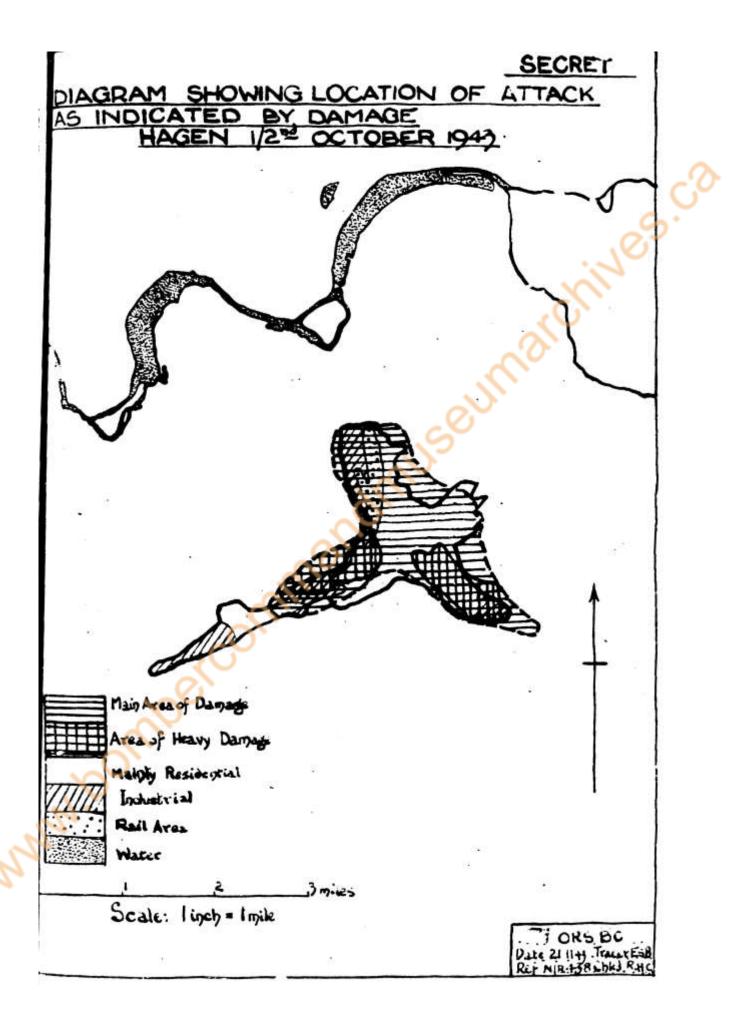
Washed up on Welsh Coast. Result unknown.

Reserve n/c not required.

also attraked primary.



BOMB PLOT NOT AVAILABLE



BOMBER COMMAND REPORT ON NIGHT OPERATIONS

2/3rd OCTOBER, 1943.

MUNICH : GELSKYKIRCHEN : COLOGNE : MINELAYIN: : LEATLETS.

MARY

Munich. 266 Lancasters delivered a damaging attack against the southern i eastern districts of Munich in cloudless weather. The blow was aimed at the the of the town, but undersheeting by the blind-markers caused the bombing to ift back along the line of approach. Nevertheless, military and industrial sublishments suffered heavily, Many fighters were active in the target area, for the most part they failed to contact our bombers, and only 7 (2.4%) were to 4 fighters were destroyed.

Gelsenkirchen: Cologne. 8 Mosquitoes i rricd out harassing raids on senkirchen and Cologne, without loss.

Minelaying. 117 aircraft were detailed to lay mines in areas ranging from French Atlantic coast to Sassnitz. 92 reached their target, and 8 others apped mines in useful areas. Altogether, 292 mines were laid. One aircraft lost; and one enemy fighter was destroyed.

Leaflets. 17 aircraft from Training Groups dispersed leaflets over various as in Northern France; 4 others returned early. No losses were sustained.

THER BORBCAST

Midnight frontal positions: Cold from 60°N. 15°E. to 55°N. 14°E. to Hannover. 92°N. 05°E. to a wave on the front over N.W. France.

Bases: - Variable amounts of cumulus and cumulo-nimbus at dusk, base 2,000' 8-10,000', in S., possibly 12,000 ft. in N. Scattered showers and good thility. For return (from S. Germany), all areas will have meanly clear is, and visibility 2-4 miles, falling to 1 mile in smoky localities at ter 1,000 rs. Patches of mist and fog will form in low-lying areas by dawn.

Germany: - Continuous cloud along front, with tops below 10,000 ft. Broken rection cloud N. of the front; variable amounts of strato-cumulus to S. and E., t some good clearances. Munich will probably be in a clear area. Route to teh: cloud will increase to 10/10 the inland from French coast, base 1,000 ft. 8-10,000 ft., with well broken layers of medium cloud to 12-15,000 ft., along tal belt, which should lie from Anchen to Nantes at 2200 hours. Strato-tlus will probably persist to 08°E. with tops falling to 7,000 or lower. The risk of this strato-cumulus at target, but this should not be more than 600 k and will be at very low levels. Visibility moderate to poor. c Cloud will k W. of 05°E. on return.

France: - Lorient, Nantes: probably little cloud after 2200 hours, thoughtal cloud, base 1,500 ft., may persist for a while at Nantes.

Frisians and W. Baltic:- 5-8/10 ths., over North Sea, base 1,500-2,000 ft., generally below 15,000 ft., except in Central North Sea, lowering gradually wards, and breaking in W. Baltic after passage of cold front, which should bll clear by 2100 hours. Visibility good, nederate in showers.

Winds et Manich: at 750 mbs., 250°/15 m.p.h.: at 500 mbs., 250°/25 m.p.h.

/.....nich.

MUNICH

PLAN OF ATTACK

6. Route. P.F.F.: 4862N. 0745E - 4728N. 1052E - 4800N. 1120E - MUNICH - 1151E - 4746N. 1200E - 4806N. 0733E.

Other Groups: 5125N. 0230E - 4950N. 0310E - 4826N. 0745E - 4758N. 1120 MUNICH - 4810N. 1147E - 4749N. 1119E - 4806N. 0733E - Cayeux - Beachy Head.

20.

- 7. Route Marking 7 blind-markers and 11 backers-up (Y aircraft) were to drop T.I. yellow on track at 4826N. 0745E (12 miles S. of Strasbourg). The other blind-markers (about 23 aircraft) were each to release a bundle of white flares over the centre of the Murn Sec. 9 backers-up other than those alreadationed were each to release a bundle of white flares in salvo with one red spot fire, the latter to hit the ground on the northern tip of the Murn Sec; aircraft were to bomb by the light of the white flares of the blind-markers. Main Force cross were to regard the red spot fires an aids to identification not as exact beacons. On return, the first track-markers were to drop T.I. at 4800N. 0751E (4 miles /105° Preiburg).
- Blind markers were to mark the mining point with T.I. Target-marking. yellow on H2Sp after a carefully timed run from the centre of the Wurn See. aircraft was also to release a string of flares. If positive of their positi they night revert to visual identification and drop their T.I. and flares using the Mk. XIV bombsight; but crews were to understand that blind-marking was th primary intention. Visual markers were to mark the exact aiming-point with T.I. red and green; if unable to identify visually, they were only to drop gr aiming at the centre of yellows with 2 secs. overshoot. Each visual marker was to carry one bundle of white flores, to be used at the Captain's discretic Backers-up were to keep the aiming-point marked with T. I. green, aiming at, in order of preference, (1) reds (2) centre of yellows with 2 secs. overshoot (3) centre of greens with 2 secs. overshoot. Supporters were to book visually if possible, otherwise at the centre of yellows or at reds. Main Force aircr were to aim at reds if visible, otherwise at the centre of greens with 1 sec. evershoot.

9. Timin: Zero Hour: 2230 hours. Duration of attack: 2226-224

Blind-markers: 30 Lanc. at zero - 4.

Visual Exrkers: 10 Lanc. at zero - 3.

Backers Up: 3 Lanc. at zero.

15 Lanc. from zero + 1 to zero + 10.
(alternately 2 per min. and 1 per min.)

1 Lanc. at zero + 11. 1 Lanc. at zero + 12.

Main Porce: Supporters: 26 Lanc. at zero - 4.

1 th twave: 111 Lane. from zero + 2 to zero + 5.
2nd wave: 87 Lane. from zero + 6 to zero + 9.
3rd wave: 80 Lane. from zero - 9 to zero + 12.

10. Marker Loads.

Blind Hirkorg: 7 Lanc.: 4x4 white flares 447.I. yellow (3LB)
23 Lanc.: 5x4 white flares + 2 T.I. yellow (1 LB)

Vigual markura: 10 Lane.: 1x4 white flares + 10 T. I. red (5LB) + 1 T. I. gr

Backers-up: 9 Lanc.: 1x4 white flares + 4 T.I. green (2 LB) + 1 red s 11 Linc.: 4 T.I. green (2 LB) + 2 T.I. yellow (LB).

- 1. Tactics (a) WINDOW was to be dropped at the rate of one bundle every 2 anutes from 0222E. to 0910E.; one bundle every half-minute from 1114E. to 1124E.; and one bundle every minute from 0836E. to 0129E.
- (b) All blind-markers were to transmit between zero 40 and ro 30 the hast reliably estimated wind velocity. H.C. No. 8 Group was breadcast this information to 1 and 5 Group controllers by telephone at zero 20.
- (c) All Y-aircraft of P.F.P. (including cross under training, but tribund markers) were to rotain 1x1,000 M.C. to drop on Freiburg on the my home for training purposes.

DRTIES.

(plus 16 aircr ft which also bombed the primary).

3 Fortresses of U.S.B.C. accompanied the force; 2 reported attacking the rintry and the third returned early. None was lost.

BATHER EXPERIENCED

13. Bases: Little cloud. Moderate to good visibility. Very local mist.

doute:- Cloudless over Channel. Broken layer cloud, base 2,000 ft., tops ,000 ft., inland over France. Fueblo front encountered at 49°N. 05°E. running EIE-WSW, 50-73 miles wide; 10/10ths cloud, base 2,000 ft., tops 10-12,000 ft., ith light rain or drivale in cloud, S.E. of front there was still much cloud, breaking locally to 1-3/10ths. Wisibility moderate.

Munich:- Cloudless. Ground haze. Large patches of layer cloud near the arget. No noon. Visibility good.

Winds at 20,000':- To Channel coast: 260-270°/50 m.p.h.

Channel to 05°E: 260-270°/60-35 m.p.h.

05°E. to Lunich: 250°/40 m.p.h.

Hunich: 250°/30 m.p.h.

AIGHT PHOTOGRAPHIC STATISTICS.

LARLATIVE OF ATTACK

The blind-markers, who opened the attack, successfully illuminated and tarked the Carget, and the first 2 visual markers dropped their rods accurately on the aiming point at zero - 1 and zero + 1 respectively. One minute later, the server, 2 salvoes of rods cascaded almost simultaneously 2 miles S. and 4 miles S. 3.E. of the aiming-point; and the former of these, being the first along the ime of approach, attracted most of the attention of the backers-up and main force.

At zero + 5 another salvo of rods fell 3 miles S.E., and these were soon back up by greens and bembed by many aircraft. The bulk of the attack was, there concentrated around the 3 salvoes of rods to the S. and S.E. of the aiming-point, which was fortunately situated in the N.E. of the town. 5 Group aircraft on D.R., tended to drift away to the S.S.W.

DAY RECOIDIALSCALCE.

16. Reconnaissance photographs taken on 3rd and 21st October showed the result, for 2 major night raids on Lunich, carried out on 6/7th September and 2/3rd number, and of 2 daylight attacks by aircraft of the U.S.A.A.F. based in Normanne Africa. It is impossible to estimate exactly how much of the damage was due to the operation under review.

SULL 17. Severe if scattered demage was revealed throughout the team, especially turney the southern and castern districts. Host of the incidents were due to fire. cto Hillitary establishments suffered grievously, including 5 butted camps, 4 - Ot 1. C. Parbonindustrio Cameraworke barracks and the arsonal at Newhauson. (instrument workers, priority 2) sustained a number of direct hits. Plotting Motoronworko (motorcycles) was almost expletely destroyed, and a suspected rera munitions factory, built to resemble a housing estate in Haidhausen, was large feet gutted. ". Bussman, gear manufacturer in Ramorsdorf, was 75% devastated, the adjacent railway store yards were laid waste, and the extensive store yards noun and iron forge of B. Kustormanns were howily damaged. 5 broweries were hi including the Lowenbrau with its notorious cellar and beergarden. : 0 The last of the 3 gasholders in the Zammorf Gasworks, damaged in a previous raid, was the destroyed, and the Lasidenz Museum, where party meetings were held, was partly demolished. Rosid ntial property was nowhere devastated, but numerous groups of buildings were blasted and burnt out.

ALTERNATIVE TARGETS

18. 17 Y-aircraft dropped bombs on Freiburg on the return journey according to plan; one of these dropped all its bombs on this target, since they had failed by to release over Munich. 2 other circraft failed to reach the primary and jettisoned their bombs in the areas of Ostend and Bonfeld.

SPACIAL EQUIPMENT.

19. H2S. 79 Y-mireraft were despatched - 30 blind-markers and 49 main force aircraft. 28 blind-markers reported attack; 18 dropped T.I. on H2S, 3 dropped T.I. visually, and 7 released bombs only. The timing was good and the standard of accuracy high. 48 Y-mireraft of the main force reached the target, and ; of these bended blindly. All Y-mireraft returned safely.

20. GEE. The Eastern Chain operated on the Lyoming frequency and the Souther Chain on the Carolina frequency throughout the raid. The Eastern Chain also transmitted on the Arizona and Zanesville frequencies from 2000 to 0100 hours. The Hyoming frequency was mainly used on the outward route and the Carolina on the return, the average ranges being 270 and 300 miles respectively. Zanesville the botter of the two target frequencies. The A and B signals were both weaker than usual on all Eastern Chain frequencies, but B was the strongest on the Carolina frequency. Jamming was of the usual types, and railings giving a multiple pulse effect were most evident on the Zanesville frequency.

MIELY DEPARCES.

21. Elch and Saurchlights. Slight to moderate heavy flak was fired from the taget defendes in the form of a barrage up to 20,000 ft. Hany searchlights were active, but operated without any apparent purpose, making little attempt to form forms, except in the later stages of the raid, when the flak becomes considerably quieter. In route, constal defences were active between Ostend and Dunkirk with moderate heavy flak; but little opposition was reparted inland, except at Strasbourg, Augsburg, Amiens and Abbeville. 4 returning aircraft were slightly damaged by flak.

22. Fightors.

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rephtors. R/T traffic showed that fighters were operating under the G.C.I. atom of double Benito, with a running commentary. 8 patrols were overhearding G.C.I. and although they attempted 4 interceptions, they apparently iled to make any contacts. The running examentator guessed Lunich as the probable rest 30 minutes before zero hour, and 3 minutes after the first markers had some im, fighters were warned to collect outside Lunich, but not to run over the nuntil 2 minutes later. Shortly afterwards, a flak ceiling of 13,000 ft. was mounced. Hunich was definitely identified as the main target 6 minutes after to hour, when the main force began to bonb, but size confusion arose 5 minutes for, when a new wave of bombers was reported to be approaching from the northesmally referring to the sharp dog-leg taken by the bombers on their return array. It appears that almost the whole defensive effort on this night was needed towards placing a large fighter force over the target area; searchlights to employed to aid ther, and many illuminating flares were dropped.

Despite the intensity of the energ's fighter effort, only 5 returning result reported damage from this cause. Factors which probably reduced the fectiveness of the energy's system were (1) the brief duration of the attack; I but 30 airer ft were off the target within 30 minutes of the controller's nonnecement that limiteh was the chief objective (2) the diversion of the fighter rec when the control was deceived, as a result of the angled homeword route, to announcing that bombers were approaching in a direction different to that the first arrivals (3) the height of attack (most of the force were Lancasters I bombed from above 19,000 ft., where the illumination of flores and searchlights less effective.)

Our crows claimed the destruction of 4 energy fighters - an He. 109, a D. 217, w. 38 and an unidentified single-engined aircraft, all to Lancasters in the target

UALTIES

0

::2

ru bl

| No. | of | aircraft | missing. | | 7 | (2.4%) |
|-----|----|----------|----------|------------------|------|--------|
| • | | • | damaged | (f) ik. | 4) | |
| | | | | (fighters | 5]13 | (4.45) |
| | | 9 | | (misc. in flight | 3) | |

One aircraft was seen to be destroyed S. of Strasbour, on the cutward may, probably by a fighter. 5 others are believed to have been shot down the target area, 4 of these after the attack had been in progress for 10 minutes, carlier loss may have been due to flak. There is no evidence to account for seventh loss. A Lancaster stalled immediately after taking - off and crashed have loss of all its crow.

GELSENKIRCHEN : COLOGIE

4 P.F.F. Hosquitoes were despatched on a horassing raid against conhirchen and a similar number to Cologna. All attacked their targets, which covered with 10/10ths, cloud to 12,000 ft., on D.R. runs from GEE fixes. returned undamaged.

HIHELAYI.

| Li | S | | | | |
|----|-------------------|------|---------|----------|------------------|
| | (a) (b) | IIo. | of " | circrift | despatched |
| | (b) (c) (d) | , | | .bortive | sorties (weather |
| l | | • | | | (10+6 |
| ı | | n | • | aircraft | missing 1 (0.9% |
| | | | | * . | |

⁽⁴ aircraft laid 8 mines in the Kattogat) (4 aircraft laid 8 mines off Aalborg)

WEATHER EXPERIENCED

28. Larient:- Little cloud. Good visibility.

St. Nazaire:- 6-9/10ths, base 2-3,000', tops 10,000', clearing later to small amounts. Good visibility.

Frisians and Heligoland:- 4-8/10ths, base 2-3,000', tops 12-15,000' with local showers. Good visibility. Huch lightning to north.

Deltic:- 0-6/10ths, base 2,500', tops 6-8,000', with a few showers. Visibility moderate to good. Much thunder-cloud over Control North Sea on rom with frequent thunder-starus, lightning and clear ice in cloud. Very bumpy, Cloud broke to small amounts over Danish coast.

No moon over target areas.

RESULTS

29. 117 aircraft wore despatched to lay mines in areas ranging from the Frence Atlantic coast to Sassnitz. 92 reached their targets, and 8 others dropped their mines in useful areas. Altogether, 292 mines were laid. Active oppositions encountered from night fighters and coastal guns, 5 aircraft sustaining dama from each cause. One Halifax did not return from the Sound; there is no evide of the cause or place of loss. Another Halifax claimed to have shot down a Just off the W. coast of Dommark.

LEAFLETS.

30. '17 Wellingtons and Whitleys dispersed loaflots over various towns in North. France; 4 other aircraft returned early. No losses or casualties were sustained.

HAM/JT/PVD. BC/S. 26342/1/CRS3, 28th November, 1943.

| TARGET | GROUP | AIRCRAFT | SCRTIES | A/C IO | CONT LIG | | | MISS- | FLak | FIGHTER | | OTHER | ATTACK- | NOT | RESULTS |
|-----------|---------------------|------------|---------|--------|----------|---------------|----------|-------|------|---------|--------|----------|---------|-------|--------------------------------|
| | 42700 | 5.55616 | | PRIM. | AERA. | OVER E. T. | NOT OVER | | | | PLIGHT | CAUBIS | ED. | There | Tons of Bonby |
| MUNICH | 8 P.F.F. | IANC. III. | 60 | 58 | 1+100 | : | 1 | - | - | 140 + 1 | 240+1 | - | 4 | - | P)585.1 464.3 |
| | M.P. | LANC.III | 28 | - 26 | 1+60 | - | 1 | | - | - | - | | - | - | M 16.1 2.2 M 12.5 16.8 |
| | 1 | LANC. I. | 9 | 6 | - | 1 | 1 - | 1 | - | - | | - | - | 1 | 7.1 |
| | | LARC. III. | 84 | 75 | - | 1 | 6 | 2 . | 2 | -2 2 | - | - | 2 | | Booo 4000 |
| | 5 | IANC. I. | 23 | 21., | - | | 2 | - | 1 | - | - | - | 2 | 1- | 264 |
| · | | LANC. III. | 90 | 80 | 1 | - | 5 | 4 | 1 | .1 40 | - | 12 | 4 | ä | (¥) 7 |
| MARICH TO | TAL | 7 - | - 294 | 266 | 3+16° : | :.2 - | .16 | 7 | 4 | 44C+1 | 2AC+1 | 1E | 12 | 13 | |
| U.S.B.C. | | PORTHESS . | *3 | H 2 | | - | M1 . | - | 1 - | 17 | - | - | - | -) | |
| GELSENKIK | 2003N 8 P. F. F. | MOS. IV. | -4 | 4 | 2.4- | • | | - | - | | | (4 (* | • | 20 | Tens of Benb H.E. F. J.1 |
| COLOGNE | 8 P. P. P. | 1208. IV. | 4 | 4. | 5.02 | 7. | - | - | - | - | - : | - | - | X | Tens of Bomb H.E. P. 5.1 |
| DOMBING : | POTAL | | 302 | 274 | 3+16° | 2 . | 16 | 7 | 1. | 44C+1 | 240+1- | 18 | 112 | 15. | 0.00 |

Not included in Total

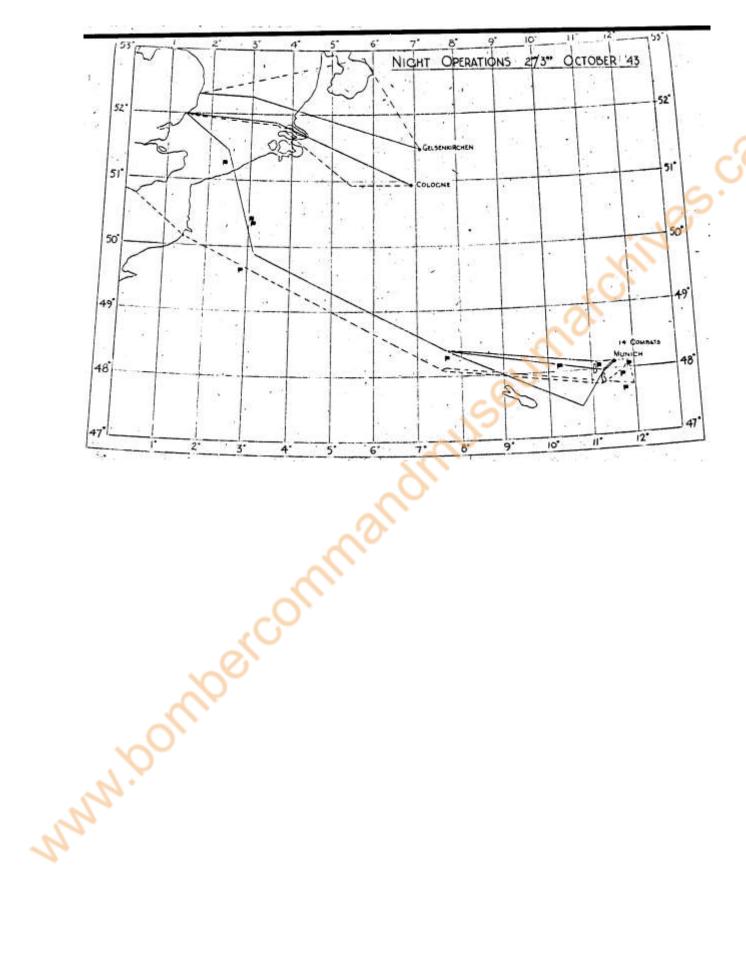
"also Attached Primary.

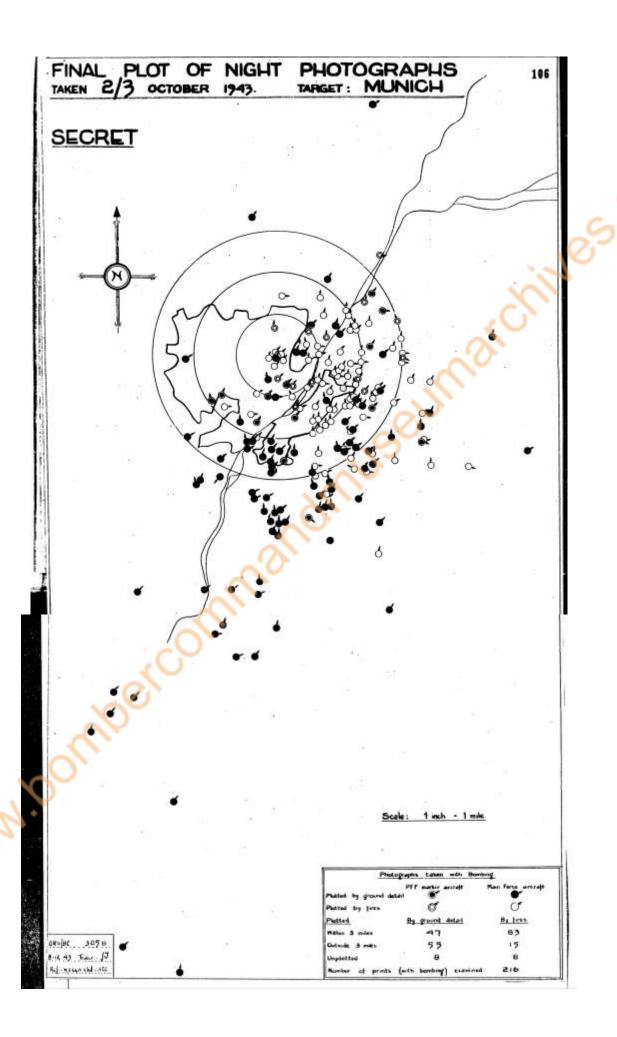
Handlaying - Leaflets. 2/3 October 1943 (Cont.) MUNCHEN - GELSENKIRCHEN - GCLOGRE LESULTS A√C REPORTING ABORTIVE NISS-PLAK PROFITER AJRCRUPT SCREETES MARKET GROUP MOSC. APE-CK NOT 0770028 ATTACK ON PRINL ALT. AREA. AREA. ING. SORTING OVER NOT TYPE ATTACK ED. E.T. CVE PLEGIT 松 13 1E 12 3+160 2 4-C+1 2,041 274 BOOBING TOTAL MUNITALDO 14 mines WHILL, X. LARIENT 1 16 mines _ -WELL, X. 9 8 ST. ICELIE 1 2 95 mines STIR. III. 52 -KATHDAT 18 mines 6 --3 STIR. III. 6 AALBORO 6 mines STIR. I. -77 mines -16 15 -STIR-III. PRISIANS. 3 -6 mines LNC. II. 1 FEGULAN Ľ 12 mines 7 6 140 Hal- In-CHANNEL -2 mines Hole II. THE SOUND 10 mines 1 . 1B+1 -Hol. In. 2 mines H.L. II. KIRL H. HBOUR 4 4 mines -2 1+ H.L. Ia. 4 2 mines 10 H.J. V. SASSHITZ 6 2 mines 1* Hair In-2 1 10 mines 140 -12 5 WILL, X. HELICOLAND 6 276 + 160 16 2,C+ 1B+1..C -11 1 117 SERVELAYING TOTAL 13 23 1E 11+160 2 52 8 1B+5...C 2/0+1 419 166 BOMBLISC & MINKLATING TOTAL +4

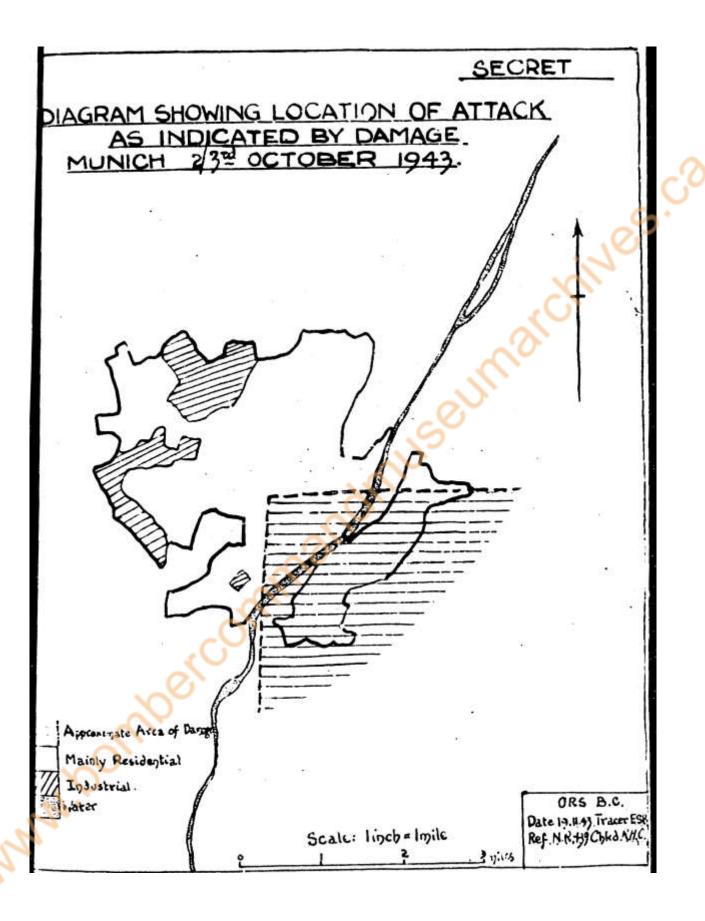
+ Alternative area fathegat Total Mines Dropped by h^{0} $\sqrt{0}$ - 8

MOREON: 2/3rd. OCTOBER, 1903 (Cohtde)

| | 1 | AIRCRAFT | Libertania. | L/C 168 | PORTINA | ABO | CIVE. | MISS- | | DO | LOB . | | DYNECEP | | | 7 |
|-----------------------|---------|-------------------------------|-------------|---------|---------|-----|-------|-------|-------|----------------|--------------|--------|---------------|----------------------|-----------------|---|
| LARGET | GROUP | TOR | SORTIES | PRIM. | K ON | | OVER | IN. | Plack | FIGHTER | IN ILIGHT | CAUSES | ATZACK- MD | HOT ATTACK- ED | Yer of H. E. | |
| BOLDING - M | COMPLAY | ING | - 419 | 366 | 11+169 | 2 | 32 | 8 | 3-0+7 | 18+540 +4 | 2,0+1 | 12 | 23 | 13 | | |
| LEJALNIS N. PRANCE | 91 | Well-IC " | 7 | .6 | | | 1 | | | - | | | _ | - | | |
| n. Prance | 93 | Well-IC Well-III Well-X | 5 | 3 | - | : | 5 | - | | | Ē | : | - | - | | |
| | One T | White. | 3 | 2 | - | . 1 | | - | - | - | - | - | | - | | |
| TOTAL | T.T. | | 21 | 383 | 11+16 | 3 | 35 | 8 | 2,0+7 | 11+5+60 +4- | 2.0+1 | 1E | 23 | 15 | | 8 |







BOMBER COMMAND REPORT ON HIGHT OPERATIONS

3/4th OWTOBER, :.943

KASSEL ; HANNOVER ; COLOGNE : AACHEN : MINELAYING : LEAFLETS

SUMMATY

VSS L

A force of 540 heavy bombers, with 7 OBOE Mosquitoes as route-markers, were despatched to bomb Kassol. The Y-type aircraft which acted as blind-markers, overshot the siming-point to the S.E. and E, with the result that the outlying district of Bettenhausen was heavily damaged, the nearby village of Sandershausen half destroyed. A later shift to the N. damaged the villages of Wolfsanger and Ihring-hausen severely. Much industrial damage was done outside the fully built-up area, the most important being to the locomotive and armament factories of Henschel and Schn; a large ammunition depot W. of Ihringhausen was 75% destroyed. 24 bombers were lost and 3 enemy fighters destroyed.

H. HEVER

2. 10 Mosquitoes were despatched to drop bombs and T.I. on Hannover as a diversion for the main attack. 9 corpleted the attack, making timed runs from T.I. red dropped as routo-meriers for the Massel raid. All returned undamaged.

COLOGNE (KNAPSACK)

3. 8 of 12 OBOK Mosquitoes bended Knapsack using their special equipment, and one bombed on D.R. The 3 other aircraft dropped their loads on Cologne city. All the Mosquitoes returned safely.

A.J.Ta.

4. An operational trial of Mk.II OBOE was made by 4 Mosquitous, one of which made a success il run. The other 3 attacked Anchen on D.R., and all returned unlarged.

MINEL YING

5. 7 Stirlings laid 1/2 mines off the Frisian Islands without incident.

LEAFLETS

6 of 7 aircraft despatched by Truining Groups scattered leaflets over towns in northern France, all returning safely.

TEATHER FORECAST

Lestimated midnight position of fronts: (i) warm 58 N. 03 D. to Tynemouth to broke Dook; (ii) cold over continent from 50 N. 20 E. to Stuttgart to Limoges.

losss: fit for take-off, with well-broken strate-cumulus, tops 6,000 ft.,

the 2,000 ft., and 6-9/10ths medium cloud above. On return, well-broken strate-crulus and cumulus, increasing to 6-9/10ths in N., with medium cloud above.

Continent: N. of a line Brisle: - Kunnheim - Tours, small amounts of cloud and good risibility, except for broken layer cloud on N. coastal strip, over Denmark and baltic Sea.

Route: medium cloui ex ending to 5° or 6°E, with only patches below.

Terget: only cmill amounts of cloui below cirrus levels, though strato-cumulus
tay form. Visibility moderate to good.

| | F1 S1 | - 2 - | 2 6 | Sec. |
|-----|---|--|--|--|
| | Winds: | 750 mb. | 500 nb. | 3.00 mb. to 0300 |
| | Bases N. of 55°-2°E. " S. of 55°N-2°E. 2°E - Hannover Hannover - Kassel Kassel - Abbeville Abbeville - N.Bases | 280 /40 mph 280 /35 mph 270 /35 mph 260 /20-25 mph 270 /2 -25 mph 280 /25-35 mph | 280°/65 mph 280°/55-60 mph 270°/55-60 mph 280°/30 mph 270°/30 mph 280°/40-55 mph | 23.7/85 mph 3.00/55 mph 2.0/50 mph 3.00/35 mph 30.05/55 mph 30.05/20-50 mph 30.05/20-50 mph 3.005/20-50 mph |
| | | KASSEL | | patch 260°/. |
| | PLAN OF ATTACK | | | ZEO 7 |
| ė | 8. Route: East Con 09 10'E 51047'N. 080 07 20'E 50 18'N. 01 | 40'E TARGET - 51 | 012 North and of 1217 090 | ATT OF THE PERSON OF THE PERSO |
| | ogola z. (3 miles W. or release T.I. white on I drop T.I. red at 50023 S. and N. of the track (b) Blind marker the target, either blin Visual-markers were to identified. Otherwise centre of the T.I. yell by aiming at (i) T.I. (ii) T.I. yellow or (ii) (c) Supporters aim at T.I. red or the aim at T.I. red or the (d) All Litypo flare (red with green state of the green state | Steinhuder Meer). Paderborn (43 miles, No. 06°05'E. end T. passing S. of Anchors were to release to day on H2S, or visit drop 10 reds + 1; they were to aim T. Low by 3 seconds. The green. Were to bomb visual estimated centre of estimated centre of eircraft with qualisters) for use if cour: 2115 hours (6 Hal. + 18 Lance (2 Hal. + 9 Lance (1 Hal. + 1 Hal. + 1 Lance (1 Hal. + 1 Lance (1 Hal. + 1 Lance (1 Hal. + 1 Ha | J10° Kassel). 7! L. green at 50°34'N. En) on the return relievel of certain of green in salvo on the return relief green in salvo on the sackers up were to ret by 3 seconds the colly if possible. Of T.I. yellow. The first green. If it is green. It | backers up were to a squittees were to a company to the estimated maintain the marking estimated centre of the control of the centry 1 release-point in the measure to the control of the centry 1 release-point he control of the control of the control of the centry 1 release-point he centry 1 rele |
| | og lo'E.; at 2 bunlles per minuto from 09038' | W was to be dropped per minute from 09 E. to 01°32'E. aft detailed for Ka s were to make a ti | at one bundle per a 1012. to target to | 2 minutes from C4°C in 09°38'E.; at one balls the from the foint on |
| . ~ | SCRTIES | • | 1 | = |
| m | No. of aircraft No. of aircraft | reporting attack of sorties (technical (navigation (late take (attacked) | n primary area n alternative area and manipulative defect mal error -off by fighter | 29) 13 13 14 15 15 16 17 |
| | No. of sircraft | missing | oon after take-off | 24 (4.4) |
| | | | /6 of | the 7 routemarkers |

6 of the 7 route-markers completed the task; one sortic was abortive owing to OBOE failure.

EATHER EXPERIMNCED

15. Home bases: fit all night except for some light rain or drizzle which affected Yorkshire from midnight onwards.

Route: much layer cloud, base 5-4,000 ft. tops 5-6,000 ft. to 50 miles inside enemy territory; mainly 9-10/10ths., but occasionally breaks to 4-6/10ths. Small patches of medium cloud above. Cloud then broke to nil, with a few local patches of 4-6/10ths layer cloud. Visibility moderate.

Kassel: cloudless. Visibility moderate with some haze. Wind at 20,000 ft. 260°/35-40 n.p.h. No moon during attack.

NIGHT PHOTOGRAPHIC EVIDENCE

| | | | dotail | 0 | (plotted within 3 miles95) " outside 3 miles27) | 737 |
|----|------|-------------|-------------------|-------|---|-----|
| | • | | COLUM | | (unplotted10) | 1)4 |
| No | • of | photographs | showing tracks | fire- | (plotted within 5 miles .2%) . " outside 5 miles . ?) . (unplotted | 315 |
| | | | 20 | * | (umplotted(0) | |

GREATIVE OF ATTACK

The T.I. yellow and white flares dropped by the blind markers wire frirly cell concentrated, but overshot the aiming point by distances to 3 miles, the spority of the markers felling in the Bettenhausen district. Owing to haze and have the visual markers could not identify the aiming point, and brought back their T.I. red. The T.I. yellow were well supported by T.I. green dropped by the backers up and 6 of the visual markers, and 2 main concentrations of T.I. reen developed, one at Bettenhausen and the other 2 miles N.B. of the aiming eint round a single T.I. yellow. The main force was at first divided between these concentrations, which marged into one approximately circular fire area, about 3 tiles in diameter and centred 1½ miles N.E. of the aiming point, by Z+7. The last I. yellow burnt out at about this time, and the attack spread back to the N.W., artly owing to undershooting by late backers-up and partly, it is believed, to the and green pyrotechnic decays in action 3 to 4 miles N. of Kassel, which tracted some of the bombing.

Y RECONNAISSANCE

Photographs revealed that the greater part of the damage was outside the lly built-up area of the town, concentrations of damage to property and craters ing found in the S.E. industrial area of Bettenhausen and in villages N. and : I. of the town. Business and residential property in the village of Wolfsenger, it is miles N.E. of Kassel, and in Sandershausen and Ihringhausen, 2 miles and miles to the E. and N. respectively, is suffered severely; Wolfsenger and pleashausen were at least half destroyed.

Chief of the many important industries of Kassel are the large locomotive armment factories of Henschol and Sohn, which are in 3 associated groups in N. of the town. Several buildings of the original works (worke 1) producing postives, learness and probably A.P.Vs. were destroyed or damaged. Among other is in this area which sustained damage is a factory producing machinery and ther raking rolling stock. The most important industries besides Henschel and the however, are in the district of Bettenhausen, S.Z. of Kassel. Among others are the plant of Spinnfaser A.G., producing textile yarms from staple fibre, reputed to be the largest of its kind in Europe, the works of Salzman and Co., the weavers and large suppliers to the German army, and the circust factory of

11

Pioseler Flugseughau G.m.b.H., engaged in the production of major components; F.W.190s and other aircraft, and several concerns manufacturing machine tools chemicals. All of these were damaged, and several were still burning on the drafter the raid. In all about 30 factories and industrial promises were partly destroyed or damaged.

- 18. In the outskirts of the town and surrounding districts are several distant military dopots, many of which were severally damaged. More than two-thirs the large Pasanonhof Barracks, N. of the town was destroyed, and the military barracks near Wolfsanger, known to be housing flak personnel, lost 30% of the barrack blocks, and 36 out of an encampment of 38 huts.
- 19. The most spectacular damage was in the ammunition depot W. of Ihringham which was one of the largest in Germany. 84 of 110 buildings containing crake or stores were destroyed by fire or by explosions which loft huge craters. The largest crater heasured over 300° across at its widest point.

ALTERNATIVE TARGETS

20. 6 siroraft attacked alternative targets in the areas of Texel, Damma, Makkinga, Minden, Meppen and between Bielefeld and Paderborn. One bomber, Whis also attacked Kassel, dropped part of its load near Hazelunne.

SPECIAL EQUIPMENT

- 21. OBOE 6 of the 7 Mosquitoes despatched as route markers completed the to successfully, but the seventh sortie was abortive owing to OBOE failure.
- 22. H2F The 24 Blind markers detailed all reported attack, 13 with T.I., flares on I H.E., and II with H.E. only. The timing of the aircraft was good, almost all of them overshot the aiming point, attacking between 1 and 3 miles the S.E. or E.
- 23. 56 Y-type aircraft carried H2S as a navigational aid, and 53 reported attack, 47 with serviceable sets. 2 aircraft returned early and one was lost.
- 24. <u>CEE</u> The Eastern Chain operated on the Wyoming and the Southern Chain of the Carolina frequency throughout. The Eastern Chain also operated on the Zana ville and Maryland frequencies from 1947 to 2317 hours. Jamming was of the usu type, being relatively weak on the Maryland frequency, which had not been used from time, and consequently gave the best results. Many fixes were plotted past 07°00'E. on the cutward journey and beyond 05°30'E. on the return, where the signals were weaker. The average results for the whole raid were better than a

EVEMY DEFENCES

- 25. Flok and Scarchlights Searchlights and heavy flok were encountered at the No. end of Texel Island, but elsowhere on route little flak was not. The defence of Eulen and Brumen were seen to be in action, however, and on the homeword routed at the property which strayed off the track were fired at by the Cologne/Dorm are defences. Warmings given by controls to enemy fighters also indicated that the game at Hennover and Brumswick were in action, with ceilings of 18,000 ft. and 1,500 ft. respectively.
- 2:. In the target area heavy barrage flak, varying in height from 16,000 to 2;,000 ft. and much light flak up to 16,000 ft. was reported, despite the fact that control announced a ceiling of 14,500 ft. over Kassel. Searchlights were numerous but not very accurate, possibly owing to ground haze. A few aircraft were illuminated and subjected the intense flak fire. In all 10 aircraft were hit by flak.
- 27. Fighters Intercepted wireless traffic showed that G.C.I. activity was greater than it had been for some time. 16 pursuits were everheard, 9 against outbound and 7 against homebound bombers. The identified areas of operation in cluded the Frisian Islands, Declem/Munster, Trior and Mesermunde/Brandenburg.

- , victory claimed near Terschelling agreed with reports given by bomber crews.
- The majority of the fighters were controlled by running commentaries from take and Deelen. The bomber stream was first announced shortly after it crossed to Dutch coast, and Hannover was given as the probable main target. However, after the main stream turned south, and the small raid on Hannover was ever, Brunswick was aggested as the objective, and fighters were ordered there. It was not until 2118 minutes after the first markers had been dropped) that Kassel was announced as the target. By the time the fighters reached Kassel the attack was nore than half wer.
- tacks in or near the target took place before 2122, giving further proof of the uccess of the feint towards Hannover. On the outward route 2 attacks occurred tween Texel and Leeuwarden, one shortly before reaching the Steinhuder Meer, and near Paderborn. One attack took place on the return route before reaching the urning-point S. of Bonn, and the remaining attack was made by an intruder. 15 ireraft were damaged by fighters, of which 3 were destroyed.

ASUALTIES

| 0. | No. o | of | aircraft | missing | | | | 24 | (4-45) |
|----|-------|----|----------|---------|------|---|----------|----|--------|
| | | | | | •••• | (flak9+ fighter14 flak & fighter1 (other causes13 | <u>6</u> | | |

- * (ne also hit by incondiaries.
- It was estimated that at least 7 aircraft were shot down by fighters and 9 by flak. Fighter lesses occurred near Texel, Leeuwarden, Steinhuder Meer, Paderson, the target (2) and the route-markers S. of Aachen. Aircraft were shot down by flak in the areas of Texel, Leeuwarden, Dipenau, Kassel (2) and the Cologne/tenn area (4). 2 bombers collided and crashed in the target area. The fate of the remaining 6 bombers is unknown.
- 2. 3 bombers were hit by incendiary bombs and 3 by stray bullets. 3 other irrest were damaged in landing accidents, one after an early return.

HANNOVER

is A diversionary attack on Hannover was made by 10 Mosquitoes, which left the min bomber stream when it turned southwards. 9 aircraft completed the mission, iropping T.I. green and H.E. on a D.R. run from the groundmarkers at the Steinhuder Meer. A good concentration of T.Is. was reported, with a single T.I. some 12 miles to the N. Several bombs were seen bursting among the T.Is., and 4 fires were also reserved. The tenth sortie was abortive owing to a technical defect. All returned indamaged.

COLOGNE (KNAPSACK)

12 At. I. OBOE Mosquitoes were despatched to attack Knapsack, and 8 bombed the image target on OBOE. The others bombed on D.R., following OBOE failures; one of this ereceived signals until within one minute of release time on D.R., and attacked tape. At, the other 3 bombed Cologne. Bomb-bursts and one large explosion were the in the Knapsack area. One Mosquite sustained minor flak damage.

/AACHEN

A.CHEN

35. A further operational trial of OBOE Mk.II was made on this target be Mosquitoes. One of these bombed successfully on OBOE; this was the first occasion on which a Mk.II OBOE Mosquito had been able to do so. The remains aircraft did not receive adequate signals, and bombed on D.R. A few bombursts were seen in the target area. None of the Mosquitoes was damaged.

MINELAYING

36. 7 Stirlings laid a total of 42 mines off the Frisian Islands without incident. One of these aircraft was equipped with H2S, but did not use it to lay its mines, although the set was serviceable in the primary area.

LEAFLETS

37. Leaflets were scattered over Versailles, Chartres, Paris and Rouen, 6 of 7 aircraft despatched by Training Groups. The seventh sortic was about owing to a technical failure. All the aircraft returned undamaged.

EMO/JT. BC/S.26342/2/QRS3, 29th. November, 1943.

AMENDMENT

Night Roid Report No. 356, paragraph 27. Delete the last 14 words ("and almethod.")

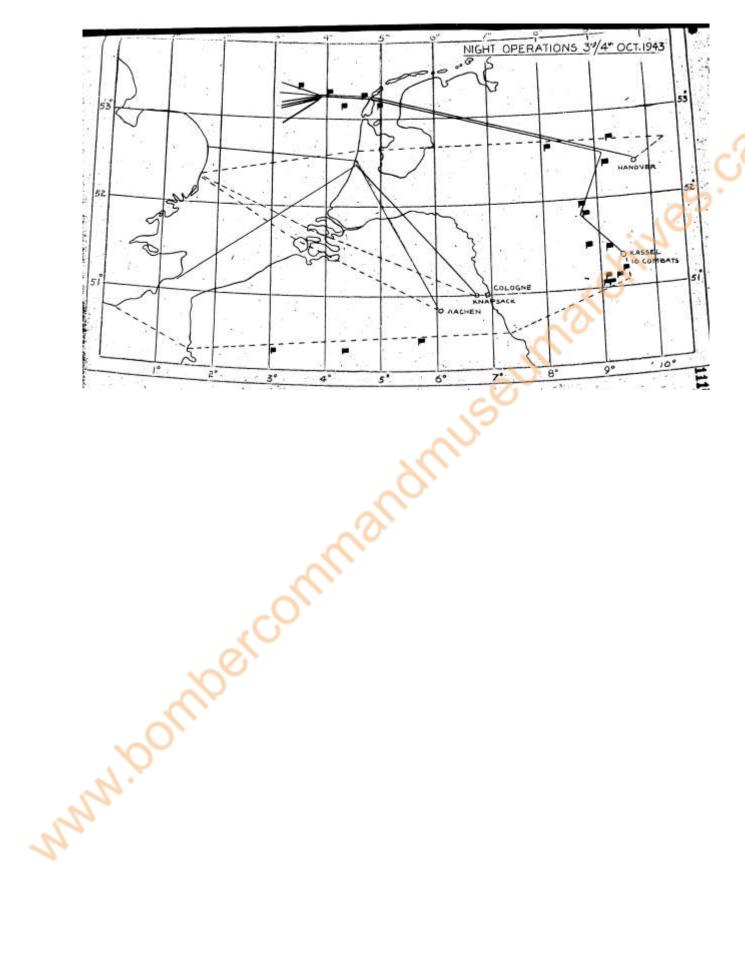
| | 1 | ATMONDARY | | | PORTIN | | | 1:233 | | D.J. | | | DURCE | | Victoria - |
|---------------------------------|----------|------------------------------|----------|----------|--------|----------------------|----|-------|--------|----------|-----------------------|---------|---------------|----------------------|------------------------------|
| TOWN | GROUT | THE | SORPER | PRIV. | .1.7. | SON SVER E. T. | | Inc | PLAK | FISHER | HISC. IN PLICHT | CATERS | ATLC::- ID | NOT ATTACK- ED | Tone of Bombs |
| CCSEL | B PFF | Hal. La Lanc. III | 14 44 | 14 43 | 10 | - | - | ī | 1 | 1 | 1 | - | 2, | - 2 | P. 668.6 885.2 A 4-5 11.2 |
| | N.F. | Hal-II Hal-I. Lano-III | 6 | 6 | | : | - | Ē | Ē | - | = | | | - | M. 16.9 4517 Heavy Dombs |
| | 1 | Lanc.III | .5 52 | 47 | - | - | 5 | 7 | Ī | 2 1 | - 1 | | | - | P. 189 |
| | 3 | Stir.III | 112 | 95 | i. | 3 | 4 | 6 | 120+1+ | 3x0+3 | 2.0 | 28 | 8 | 7 . | * 2 * 4 |
| | 4 | Ral-IIAV Hal-IA | 48 79 | 38 70 | - | . : | 6 | 6 | 2 | 140 | 2 1a0+1 | 1B - | 1 | 2. | I |
| [| 5 | Lanc.III | 16 76 | 15 71 | ī | - | 2 | / 1 | - | 2/0+1" | 1 | | 4 | 5 | a said |
| | 6 | Hal.IAV Hal.IA | 54 21 | 18 | 1 | 3 | 3 | 3 | 1,0+2 | 2E 15 | - | | 3 - | 8 | 10 |
| KASSEL TOTAL | L | | 540 | 477 | 6+1° | 6 | 27 | 25,1 | 5,73+6 | 2B+15+1" | M-C+6 | 2E+12 | 19 | 35 | |
| OUTH 11.PKERS _ TO KLISEL | PFF | Mosq.IX Mosq.IV | 1 | 5 | 1. | 1 - | - | ī | - | | -2 | 1.1 | 2 | = 1 | |
| ROUTE TURICES | TOTAL | 75 | 7 | 6 | | 1 | - | - 1 | | - | | | | | |
| SEL-ROUTE A | LARKOTH. | TOTAL | 547 | 483 | 6+10 | 7 | 27 | 21, | 34246 | ZE+1p+ | Autos | 2ii+15 | 15 | 35 | |

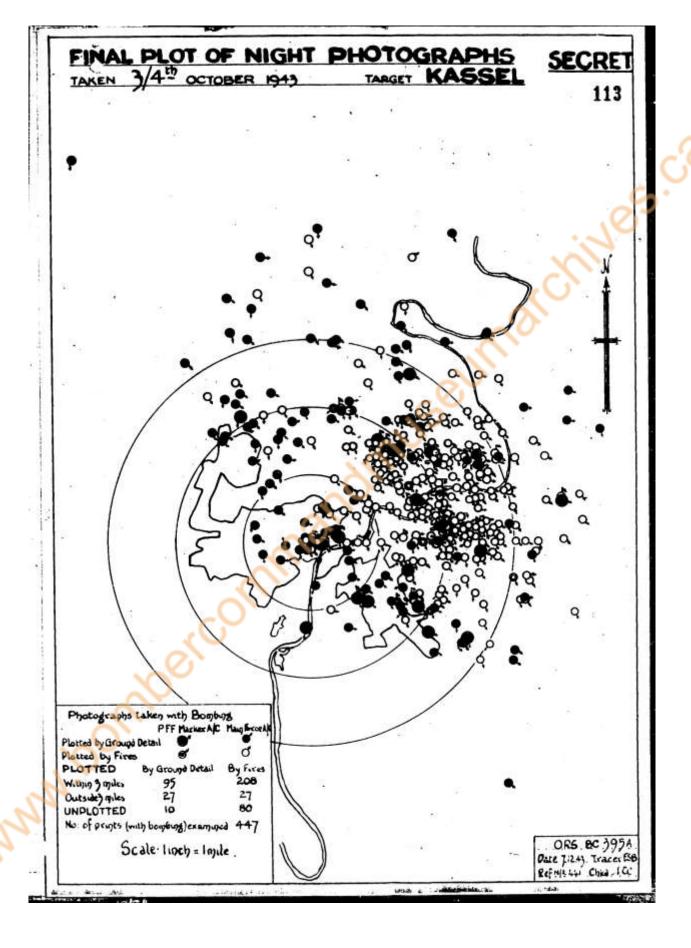
- " also damaged by incendiantes " Also hit by flak.
- · Also attacked Primary

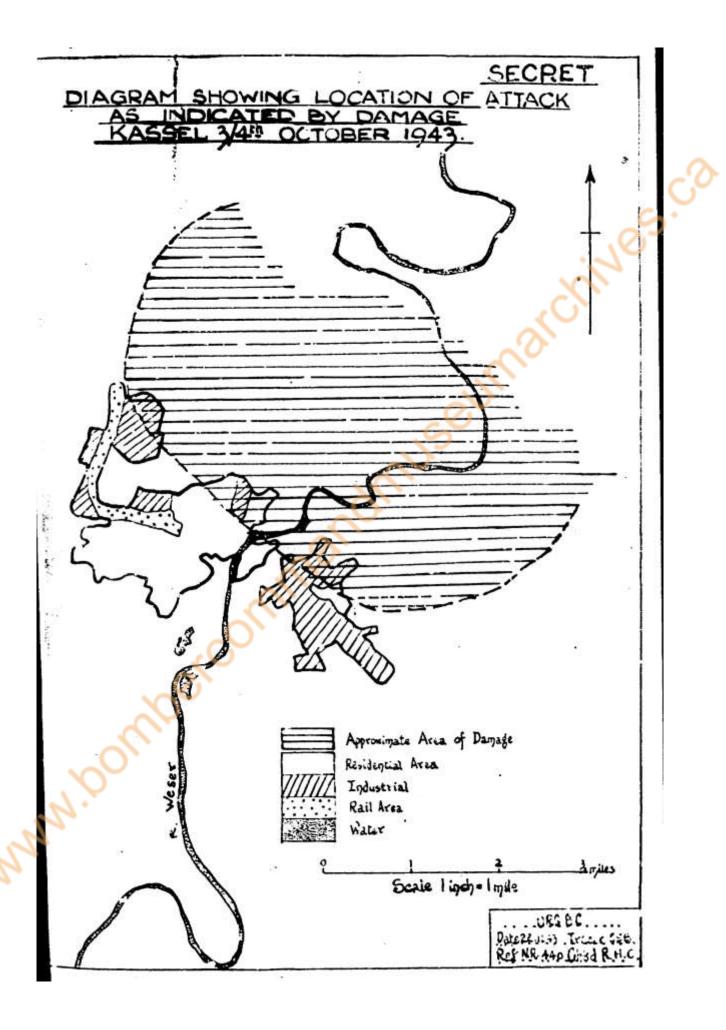
KASSRL: Hardwyren: AACHW: COLORNE: Minologing: Leaflete: Minologing: Leaflete:

| | I | 1 Attenuer | 1 | | OUNTER | | CIVE | 10038 | | Da 2 | | | DITING S | | |
|-----------------------|----------|-----------------------------|-----------|-----------------------|--------|---------------|--------------|--------|--------|--------------------|------------------------|--------|----------|----------------------|---------------------------------|
| TAR/ET | COOUTS | TYPE | CPROVING! | APRA PRIMA APRA | | OVER R. R. | OVER E.T. | ING | Plant | Parities | IIIC. III FIIGHT | CAUSES | ufluck- | MOT ATTACK- ED | PESULTS Tons of hombs H.E. Inc. |
| CASSEL - ROI TOTAL | TE IL | RXDU | 547 | 483 | 6+10 | 7 | 27 | 24 | 3,046 | 2E+1B+ 6wC+5+1* | lµAC+6 | 2E+1B | - 19 | - 35 | 1 11 14 |
| COLOGUE (KULPSLOK) | B PPP | Mosq.IX Mosq.IV | 2 10 | 7- | 5 | | 1 | : | 4 | | | | | -12 | P. 7.0 A. 2.3 |
| COLORETE TOTA | L | | 12 | 9 | 3 | - | - | - | 1 | 2 | - | 25 | - | - | |
| ALCHOST | B PPF | Houg. D | 4 | 4 | | | -/ | 7 | 11. | | | - | | - | P. 3.1 |
| LUNOVER | 8 | Mosq.IV | 2 8 | 7 | | - | | | 1 | | : | | 1 | | P. L.D 2.0 |
| WHOVER TO | M. | | 10 | 9 | - | 1 | . 1 | 1. === | | | 0.00 m | | | | |
| COMBINE 101 | L | | 573 | 505 | 9+10 | 7 | - 28 | 24 | 342+7 | 28+18+ 6,0+5+1* | 14AC+6 | ZE+1B | 19 | 35 | |
| THELIYER TISLUS | 3 | Stir-III | 7 | 7 | | | | 1.5 | | | - | | - | | 42 mines |
| PRINCE | 95 | Well-III Well-I Whit- | 4 2 | 4 2 | | | | - | | | | | _:_ | <u> </u> | |
| LEFLET TO | Tal | | 7.0 | 6 | - | - | _1. | | amor . | | 2 | - | | | |
| TOTAL | | | 587 | 518 | 9410 | 7 | 29 | 24 | 3i/2+7 | 28+18+ 6a0+5+1* | 6+2سا | 28+1B | 19 | - 35 | |

- 93 Garage 1 Maccallianes Propriet 5 79,872 Roller's
 - " also hit by risk.
 - also attacked Primary.







BOWNER CONCLUD REPORT ON NIGHT OPER TICKS,

4/5th. OCTOSER, 1943.

FRANKFURT: LUDWIGSHAVEN: Knapsack: Aachen: Minelaying: Leaflets.

CHARY

Frankfurt 341 heavy bombers delivered a most concentrated attack painst Frankfurt, devastating the E. of the town and causing enormous damage to be important East Harbour. The blind-markers dropped their T.I. accurately wer the docks and the city centre, and these were easily identified by the main proce in clear weather conditions. 10 British circuit were lost, together with me of the 3 U.S. Fortresses which accompanied the force. 2 enemy fighters were robably destroyed.

- Ludwigshaven . 66 Lancasters were detailed to carry out a diversionary track on Ludwigshaven, to mislead the night fighters, but the enemy controller's saction was unexpectedly slow, so that the attack on Frankfurt had started before he fighters could swarm to the wrong target. This effort was not well concentrated, wing to inexplicably bad marking, but a number of industrial targets were hit. o aircraft was lost.
- Knapsack 12 OBOE Mosquitoes were despetched on a precision attack, with he power station at Knapsack as the objective. 5 bombie the primary, and 5 there attacked useful targets. All returned safely.
- . Anchen The first G-H operational trial was held on this night, one beguito being sent to drop bombs on Anchen. The apparatus was not actually sed in bombing, owing to a confusion as to which frequencies were to be employed. The aircraft attacked visually and returned undranged.
- · Hinelaying 4 Stirlings laid 14 mines in the Girende estuary; a fifth report its mines safe. No casualties were sustained.
- Leaflets 6 Wellingtons, out of a force of 8, dispersed leaflets over owns in Northern France. All returned safely.

EATHER FORECAST

Widnight frontal positions: (1) waru from 60 N. 14 E. to 57 N. 15 E. to 53 N. 10 E. to 50 N. 02 E. to Havre. (2) cold from 60 N. 12 E. to 55 N. 22 to Flamborough to 53 N. 05 W., becoming warm over N. Ireland; but wave levelopments in this front may modify its position.

Bases:- At 1800 hours, cold front will lie from cast to west across Lines; by midnight it will have moved to just S. of 3 and 8 Groups, or possibly still further S. The front may be quite severe, with rain, cloud based locally colow 1,000', and extending solidly to 15,000'; but freezing level will not fall below 8,000' in the frontal cloud, so that it should be practicable to fly through the front below freezing level and then climb cutside the front. Possibly the cloud will be well layered with deep lanes above 12,000'. For take-off, 4 and 6 Groups will be clear of the front, with well broken cloud; 1 and 5 Groups will te in frontal zone, with 10/10ths. at 1,500'; 3 and 8 Groups, S. of the front, will have 6-9/10ths. at 1,500-2,000'. For return (from Frankfurt), 1, 4, 5 and 6 Groups will be fit, with little cloud; 3 and 8 Groups will be mainly fit, but size airfields may have cloud based below 1,000'. Diversion areas: S. coast and Training Groups. High winds all night, especially 1'. of 53°N.

Germany: - Nuch strate-oursels in zone of wars front over N. Germany, base 1-2,000', tops 5-3,000'. Cloud will decrease S.E'wards to small amounts.' Frankfurt: near the edge of 10/10ths. cloud, even chance of either clear shies' or large amounts of cloud. Stuttgart will be safer.

France:- Variable amounts of strate-cumulus inland. W. const: little cleud except in extreme N., where there will be 10/10ths. at 1,500' or below.

Frisians and Heligoland: - Nuch cloud at 1,500' or lower in rain. Better conditions late in night after front has passed.

Wind to Frankfurt: - 260-2700/20-30 E.p.h.

PLAN OF ATTACK

- 8. Route Beachy Head 50°20'F. 01°36'E 49°34'. 07°52'E PRINTERT 50°16'N. 01°35'E Beachy Head.
- 9. Routemarking 12 blind markers and 9 backers up were to drep T.I. red at 49°46'N. 06°29'E (10 miles 255° Trier). On the return route, 4 Mesquitoes were to release T.I. red at 50°23'n. 06°04'E (27 miles S. of Lachen) and T.I. greens at 50°27'N. 06°11'E (23 miles 167° Lachen), to starboard of the main force track.
- 10. Target marking (a) Blind-markers were to illuminate the siming-point with T.I. yellow, either blindly on H2S or visually, if resitive of their position. Each circust was also to release a string of flares.
 - (b) Visual markers were to mark the aiming-wint with reds and greens in salve after positive visual identification. Each aircraft was to carry one bundle of white flores to be used at the Captain's discretion. If unable to identify visually, they were to aim greens only at the centre of all yellows burning, with 2-second evershoot.
 - of preference): reds, the centre of yellows, the centre of greens (eversheeting by 2 seconds in either of the two last-memed eventualities).
 - (d) Supporters were to identify the siming-point visually, otherwise to aim at reds or the centre of yellows. '
 - (e) Main force aircraft were to book on reds or the centre of greens, evershooting in either case by 1 second.
 - 11. Timing > Zero hour: 2150 hours. Duration of attack: 2126-2148 hour

Main force 4 Mosq. + 21 Lanc. at zero - 4 Supporters ist. w.vo 56 Lanc. from zero + 2 to zero + 5 2nd. wave 82 Hal. from zero + 5 to zere + 8 85 Stir.) from zero + 8 to zero + 12 3rd. wave 81 Hal. from zero + 12 to zere + 15 4th. wave 5th. wave 57 Line. from zero + 15 to zero + 18 9 aircraft from zero + 5 to zero + 13 (1 per min.) Backers-un 2 ." . at zero + 14 at zoro + 16

..../ Erker Londs.

12. Marker Londs

Blind-markers 12 Hal: 8x4 white flores + 2 T. . yellow (1 LB) + 1
T.I. red(LB)
3 Lane: 8x4 white flores + 2 T. . . yellow (1 LB)

Visual-markers 2 Hal: 1x4 white flares + 7 T.T. red (3 LB) + 1 T.I.green 3 Lane: 1x4 white flares + 10 T.I.red (5 LB) + 1 T.I.green

Backers-up 3 Hal. + 6 Lanc. : 4 T.I. green (2 LB) 9 Lanc: 4 T.I. green (2 LB) + 1 T.I. red (LB)

- 13. <u>Factics</u> (a) <u>WINDOW</u> was to be dropped at the rate of one bundle every 2 minutes from the Prench coast to 07°52'D.; one bundle every half-minute from that point to the target and 20 miles beyond; and one bundle every minute thence to the Prench coast.
- (b) Spoof target 7 blind-markers (T.I. red + flares), 3 backers-up (T.I.green) and 51 Lancasters of 1 Group were to make a diversionary attack on Ludwigshaven between 2121 hours and 2127 hours.

SCRITTES

3 Fortresses of 8th. U.S.A.A.F. partook in the operation, flying under the central of 3 Group; one attacked the primary, one bombed an alternative target and the third was lost.

WEATHER EXPERIE CED

15. Bases: - Generally 10/10ths. cloud, base 1,500-2,000'. inderate visibility. Light showers in Northern Groups, spreading southwards during the night, with local patches of cloud below 1,000'.

Frankfurt: - Clear, apart from drifting patches of 2-3/1. ths. layer cloud at 6,000'. Slight haze. No moon. Good visibility.

Winds at 20,000':- En route, 260-270'/30-45 m.p.h.
Frankfurt, 260'/30-35 m.p.h.
Frankfurt, surface wind: light W.S.W.

NIGHT PHOTOGRAPHIC STATISTICS

HARRATIVE OF ATTACK

17. All of the blind-markers' yellow T.I. and flares have been plotted within 3 miles of the aiming point. All the flares fell either ever the docks or near the aiming point in the central city area, except one which was dropped well N. of the target. In the light of these flares, 4 visual markers released their red T.I.: the first salve, at zero - 3, is reported to have fallen in the dock area, probably 1-12 miles S.E. of the aiming point. This was quickly followed

by 2 further salvoes, one on the aiming point and the other 1½ miles N.D. The fourth and last salvowas dropped at zero hour, ½ mile N.D. During this stage of the attack, (i.e. before zero + 6), 7½ of the main force brabed, aiming at red T.I. The banking was very concentrated, and by zero + 6, after 101 aircraft had attacked, the area occurred by incondiaries measured only 3 x 1½ square miles, centred ¾ mile E. of the aiming point.

18. 229 airdraft bembed after zero + 6, and 100 of these (14.) claimed to have aimed at red T.I. Nest of these are shown by photographs to have bembed the remains of the last 2 reds to be dropped, which must have burnt for at least 10-12 minutes. Other aircraft were scattered S. of the target, and are thought either to have mistaken fires for red T.I., or to have been misled by pyratechnic decays. During this period, as the result of undershooting by a few backers-up, the fire are shifted about 1½ miles S., at the same time extending E. across the dock area. By zero + 17, 90; of the main force had bombed and the area of attack had reached its reximum limits, occurring about 11 square miles - mostly within 3 miles radius of the chaing-point.

DAY RECOMMENSANCE

- 19. Hearly all the damage resulting from this attack was caused in the Z. of the town, particularly in the East Harbour and the districts of Offenbach and Oberrad. The East Harbour (priority 2) suffered severely from both d.L. and fire, and most of the quayside buildings were destroyed or partially described. Among industrial targets, the works of Voigt und Heffner A.G. (rangetinden) and Hesser & Co. (welding apparatus), both priority 2, sustained serious drame, and Hemos. Union (grinding wheels, priority 1), Collet und Engelhardt (machine tools, priority 2) and Lurgi Gos für Chemic und Apparatebau (priority 2) were affected in Varying degrees. Altogether, 37 factories were hit, including a changage press.
 - 20. Werehouses and dockside premises suffered even more extensively. Numerous stores and sheds on the quayside were burnt out, the Grossmarkthalle (general and cold storage, priority 3) was virtually destroyed and the premises of Latscha Schade und Kula Frochling (grocers) were utterly devastated. In the river Mein, the Oberrad Sluice was hit immediately S. of the central pier, and photographs taken 3 days after the raid showed the water flowing unchecked. 10 days later, the damaged coping was seen to have been removed and, with piles driven in beside the broken section as a temporary assistance, further repairs were being conducted from berges. A direct hit was also secred on the dam in the Hardbecken.
 - 21. Reilway property was widely affected in the eastern districts. The buildings of the docks station, near the East Harbour, were gutted and the platform broken. The marshalling yards N. of the harbour (priority 2) suffered general damage, involving the engine roundhouse and a small power-house besides various minor buildings. The gasworks (priority 2)supplying this area was hit, and the numicipal slaughterhouse and eattle market lost most of its buildings to fire and H.E. A nearby tran depot sustained major damage.
 - 22. Many public buildings and nunicipal services were affected, including the Rathaus, the courts of justice and the customs-house. Business and residential property in the E. of the city were widely deventated.

ALTERNATIVE TARGETS

23. 9 direraft attacked alternative targets at Damastadt (2), Hoohst, Grieshois, Trier, Liege, Abbeville, Cherbourg and an unspecified position on the French coast.

SPECIAL EQUIPMENT

- 24. HMS: 58 Y-aircraft were despatched 14 blind-markers and 14 main force aircraft. 10 blind-markers reported attack, 6 dropping markers on HMS and 4 releasing H.E. only. The timing and accuracy were excellent. 32 of the main force reached the target with their sets in order. '2 Y-aircraft were lost.
- 25. GHE The Eastern Chain operated on the Wysning frequency throughout and an Zanesville from 2000 to 2300 hours. The Southern Chain transmitted on the Carolini

frequency throughout. Interference of the usual type was very heavy on all 5 frequencies, the signal strength being normal. It was unfortunately impossible to see the Maryland frequency, which gave such good results on the night of 3/4th, and the enemy was able to concentrate all jacurs on the 2 frequencies of the Eastern Chain. The ranges were thus much lower than usual, being only 220 miles on the outward and 230 miles on the return routes.

ENERY DEFENCES.

- 26. Flak and Scarchlights. Hoderate heavy flak was encountered at Frankfurt, fired in the form of a barrage up to 20,00. '. Hany scarchlights were active, and aircraft held in cones were subjected to intense predicted fire. The defences slackened towards the close of the attack. Host of the route was flak free, but a continuous belt of scarchlights was reported stretching from Hannheim to Frankfurt. The latter part of the route lay almost along the line of this belt, and the glare caused considerable nuisance. Very bright yellow or white flares were observed over Frankfurt, hanging in the sky for about 10 minutes at 20,000'. 6 returning bombers were damaged by flak; one was wrecked on landing.
- 27. Fighters. R/T gave no evidence of the usual marshalling of groups of fighters at beacons on this night. Only one control was heard, and that on a single frequency. This was Munich, which was first picked up at 2136, 10 minutes after the target had been marked, announcing an attack on Mrakfurt. Further waves were stated to be approaching the city until 220; then at 2208 came the sudden announcement: "No more enemy action over frunchurt. All aircraft may land." Some enemy aircraft were also operating under dry fighter procedure. One of these reported that it was short of fuel at 2127 hours. Others were active until 2200 hours, but their area of operation was not located.
- 28. The diversionary attack on Ludwigshaven was not very successful in drawing fighters away to the latter town, possibly because the energy's reaction was so late that the attack on Frankfurt had started before any opinion had been formed concerning the main target.
- 29. Controlled fighters were active in larger numbers than recently along the route between Valenciennes and Frankfurt. Fighters did not appear in the target area until the attack had been in progress for 10 minutes. 7 aircraft reported fighter damage. Our crows made no victory claims, but observations suggested that 2 enemy righters were destroyed near Trier in combats which also resulted in the less of the bombers engaged.

JASUALTIES.

*(plus one Portress of 8th U.S.A.A.F.)

Losses to fighters were seen an route at Trier (2) Valencianus and Charleroi. Several aircraft were observed to go down in the target area, mostly after being held in searchlight cones; probably 5 aircraft were lost here, 3'to flak and 2 to fighters. 2 bombers were reported to have been destroyed by isolated salvees of barry flak along the route, one at Sedan while outward bound and the other at Charleroi on the way have. The 11 losses thus accounted for include the missing Fortress. 2 aircraft were wrecked on return; both had previously been demaged, one by flak and the other by fighter.

LUDWIGSH.VEI!.

PLAN OF ATTACK.

31. 7 blind-markers (T.I. red + flares) and 3 backers-up (T.I. green) were to lead 51 Lancasters of 1 Group in a diversionary attack on Ludwigshaven between 2121-2127 hours.

SORTES.

| 32. | (a) | lio. | of | aircraft | despatched |
|-----------|--------|------|----|----------|--|
| 57/1/2011 | (b) | tt . | Ħ | | reporting attack on primary area57(86.4. |
| | (0) | ** | ** | * | " " alternative area 1(1.5 |
| | (a) | 11 | " | abortive | sorties (tech.defect or |
| | CONTR. | | | | manipulative error |
| | (e) | ** | | aircraft | missing 0 |

4 P.F.F. Mosquitoes accompanied the force as route-markers, without proceeding to the target. All completed their task and returned without loss.

WE THER EXPERIENCED

33. Ludwigshaven:- No cloud. Slight haze. Good visibility. No moon.

NIGHT PHOTOGR.PHIC STATISTICS

N. FRATIVE OF .TT.CK

35. The timing of the P.F.F. was excellent, T.T. being alight in the target area from 2119-2136 hours, but their standard of accuracy was unaccountably low; possibly through bad use of H23. ... lthough one or two aircraft marked the aiming-point, most dropped their T.I. in the district of Moras, several miles to the north, where the bulk of the attack was concentrated.

DAY RECONTAINS NOE

- 36. The damage resulting from this attack was not heavy, but involved a number of important buildings. Bopp und Reuther Comb.N. (priority 2), a fire engaged on the production of armatures and measuring instruments of all kinds, suffered considerable damage to machine shops and other sheds. Bookside warehouses and transshipment sheds were gutted or partly denotished. Only a few scattered incidents were visible among residential and business property. The general destruction was spread evenly between Marnheim and Waldhof to the N.E.
- 37. The photographs covering this attack revealed new points of damage resulting from the riad of 23/24th. September, including further destruction in the chemical plant of I.G. Farbenindustrie. Other industries affected include a shipbuilding yard, factories engaged in woodworking, ice production and ships carpentry, and several whose purpose has not yet been ascertained. Dockside buildings were damaged, and barges were sunk and gutted.

LITERACTIVE TARGETS

38. One aircraft bombed the suburbs of Mannheim.

SPECIAL EQUIPMENT

39. H2S 6 of the 7 Y-directaft despatched as blind-markers reached the/target and dropped

target and dropped markers on H2S. Only one has been plotted, 12 miles from the aiming-point. The seventh aircraft returned early. Mone were lost.

46. . OBOB 4 Mk. I Mosquitoes accompanied the force as route-markers. 3 completed their task, dropping red and green T.I. on either side of the route; the fourth experienced fading signals after releasing its first pair, and brought the others back. All returned undamaged.

ENERY DEFENCES

41. No interceptions were reported by aircraft returning from Ludwigshaven. Flak was fired in moderate quantity from the target, mainly predicted at "seen" targets.

C.SU.LTIES

42. None of our aircraft was lost on this target. 4 slight instances of flak

DL.PS.CK

43. 12 Mk. I OBOE Mosquitoes were despatched to attack the power station at Knapsack. 4 bombed the primary according to plan, and another on D.R. 4 attacked Cologne and one Trier, visually, as the result of CBOE failure; one aircraft failed owing to a hang-up and one because of CEP failure. ...ll returned safely; 2 were hit by flak. Subsequent recommissioned revealed several points of damage in the power station resulting from this attack and that of the previous night.

LCHE

44. The first operational trial of GH was made on this night, one Mosquito being detailed to attack machen; but there was a confusion as to which frequencies were to be used, no signals were received and the aircraft bombed on D.R. from a GEB fix. It returned undamaged.

MINEL.YIFG

45. 4 Stirlings laid 14 mines in the Gironde estuary; a fifth dropped its mines safe. all returned undamaged.

LE FLETS

46. 6 Wellingtons dispersed leaflets over towns in Northern France; 2 others failed for technical reasons. No casualties were sustained beyond 2 minor hits from flak.

MLH/JT. BC/S.26342/1/CRSA, 4th. December, 1943.

PLEASTRICE: LANGUAGE PROTECTION - CHEST PROPERTY LANGUAGE. LANGUAGE. 1943.

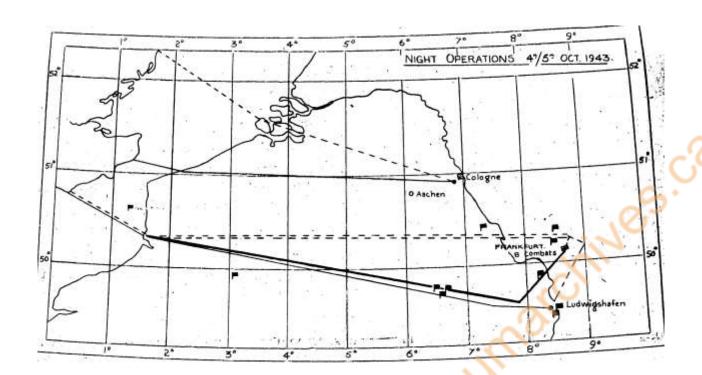
| E.BONT | CHOUS | TYPE | SORTIES | A/C TUE | | | | 1000 | - D. CE | | | | DITERCHITIONS | | RECULTS |
|-----------------------|-----------|----------------------|----------------|----------------|-----|---------------|---------------------|--------------|---------|-----------|-----------------------|-----------------|---------------|----------------------|--|
| | | | | PRIM. | LT. | OVER E. T. | NOT OVER E.T. | 2033- 200 | 17LX | PIGHTER | HISC. IN PLICHT | otion C.USED | ED ED | NOT ATTACK- HD | Tens of Bonbs H.E. DW. |
| PRINKPURT | PYP | Hal-II Hal-II | 1 15 20 | 14 15 | | 1. | 1 | - 2 | 18 | | - | - | - | - 2 | P.463.0 618.5 14.3 11.4 11.6 15.5 10001b. 147 4 |
| | B M.F. | lial.I. | 20 | 17 | 1 | - | 2 | - | - | | - | | - | 1 | |
| i ie | ' | Lanc.I Lann.III | 26 | 1 25 | | | 1 | - | - : | 1 | 240 | : | - | | |
| *);= | 1 | Stir-III Hel-IIAV | 70 31 60 | 55 21 47 | 1 | 3 | 9 6 11 | - | 1 | 1,-G+1 | 1,40 | 1 | 2 2 | 2 . | |
| | 5 | Lenc.I | 19 76 | 17 72 | ī | | 3 | 1. | 1 | 340 | 2.C | 12. | 5 | 5 | |
| | 6 | Hel.L. | 142 - | 37 15 | 1 | | 1 | 3 2 | 1 | 12 | - | | 2 | 1 | |
| FROMEWORD TOTAL | | | 402 | 341 | 9 | 6 | 36 | 10 | 1845 | 1E+40+2 | 6.0 | | 10 | 20 | |
| U. S P. | | Fortresa | 3 | 1 | 1 | - | | 1 | F 2 | - | - | | - | | A |
| luvighlve. | 8 | Lano.III | 12 | 11 | - | • | 1 | [7-] | 1 | 7 | - | | - | 1 | 16. E. In 2.126. B 108. 4. 2.2 2. |
| | 1 | Lanc.II | 48 | 40 | ī | - | 7 | - | 1 2 | - | : | 1 | | | |
| LUDWIGSHLVET: - TOTAL | | | 66 | 57 | 1 | | 8 | - | 4 | | - | | | - | 40001b. |
| HOUTE-NLIKERS 8 | | Mosq.IX | 3 | 3 | - | - | - | ÷ | 1 | | - | | 17 | 1 | P. 55 |
| ROUTE MURIER TOTAL | | | 4 | 4 | - | - | + | | - | | | 74 | - | - | 11 |
| NOVIE ALJUM: | WIGSELLVE | TOTAL | 472 | 105 | 10 | 6 | 44 | 10 | 1E+9 | 1E+luiC+2 | 6.0 | | 10 | 20 | |

NOT INCLUDED IN TOTAL

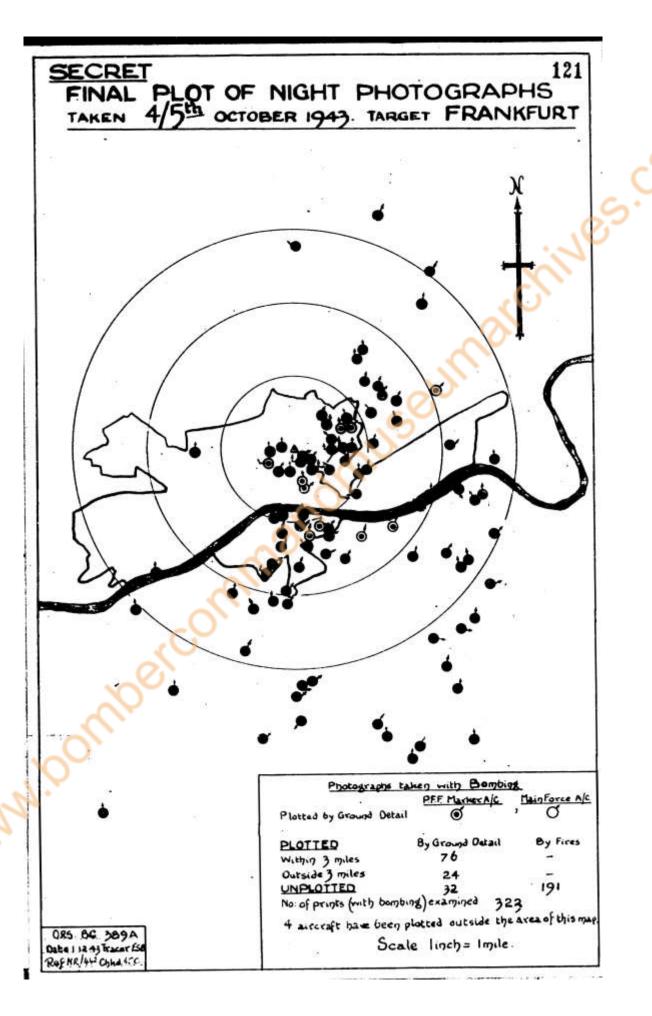
MANKFURT: LEDWISSILVES: COLCUME: maCIEN: Minelaying: Leaflets: (Contd:-) 4/5th. DOTOBER, 1943.

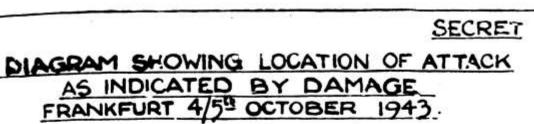
| 1.BCBT | CHOIL. | AIPCR ST TYPE | SORTIES | A/C TEMPORTERS | | | | 200 | DOLOR | | | | DUMNICEPTIONS | | C1110-120-120-220- |
|--|---------|--------------------|---------|----------------|-------|--------------|----------------------|------|----------|----------|-----------------------|----------|---------------|----------------------|--------------------|
| | | | | PRIM. | LIAL. | OVER E.T. | MOT OVLR E. T. | mai- | YLK | PIGER | MISC. DI PLIGHT | OTHERS P | an de- | NOT LTTLOK- ED | H.R. |
| PRINKPURT MOUTHWARDERS LUDWIGGELITET TOTAL | | 472 | 402 | 10 | 6 | 44 | 10 | 12+9 | 1E+4,0+2 | 6,.c | | 10 | 20 | | |
| NNAPSACK | B PP | Mosq.IX Mosq.IV | 6 | 3 | 3 | 1 | 1 | : | 2 | 2 | - | - | ī | - | ¥• 4•1 4• 4•2 |
| COLOGNE TOTAL | | 112 | 5 | 5 | 1 | 1 | | 2 | | + | | - | | | |
| The second second | | Mosq. IV | - 1 | 1 | - | - | - | - | | - | | - | - | - | P. 0.7 |
| BOMBING TOTAL | | | 485 | 408 | 15 | 7 | 45 | 10 | 1E+11 | 18+4-0+2 | 6,0 | - | 10 | 20 | |
| MINGLAYD'G GIRONDE | 3 | Stir-III | 5 | 4 | 47 | · . | | - | _ | | | | 1 | - | 14 mines |
| LELFLETS N. FRLUCE | 92 | Well-III | * | 2 | - | - | 2 | : | 1 | · . | - 1 | 7 | - 2 | - | |
| LEAFLE! TOTAL | | | 8 | 6 | | | 2 | | 1 | - | - | - | - | - | |
| TOTAL | | | 498 | 418 | 15 | 7 | 84 | 10 | 1B+12 | 18-4-3-2 | 6.0 | - | 10 | 20 | 7 |

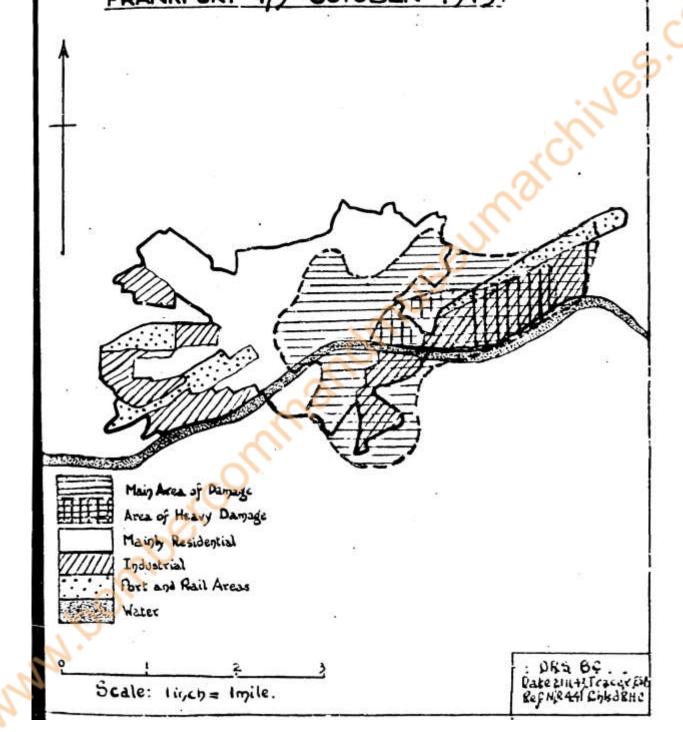
92 GROUP TO HELDVAIS - BOURY - AJUNES - EPERLY - ORDERTS.

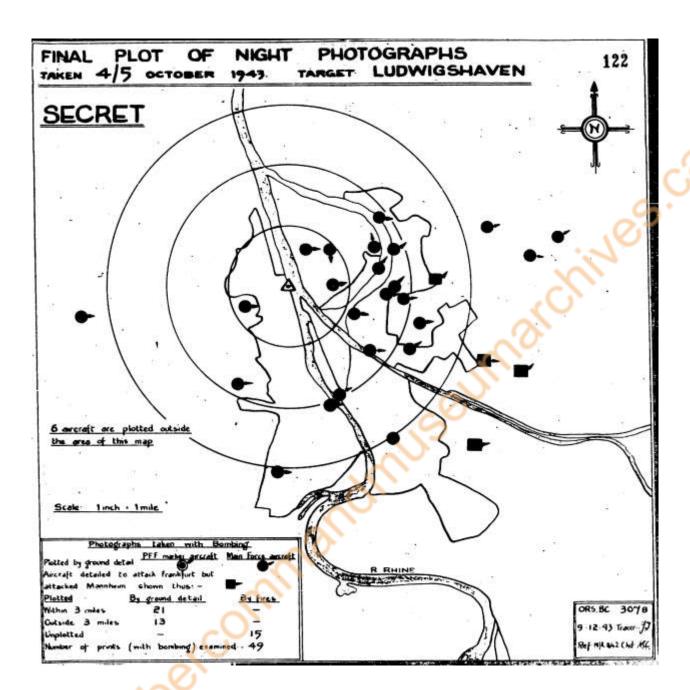


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COLY NO. 16

BOMBER COMMAND REPORT ON MIGHT OPERATIONS

7/8th. OCTOBER, 1945.

STUTTCART: FRIEDRICHSHAFEN: Munich: Aachen: Daden: Hinelaring: Leaflets:

SUPERARY

STUTTGART

1. 343 Lancasters were despatched to attack Stuttgart, which was obscured by thin cloud. Y-type aircraft marked the target with T.T., which could be seen through the cloud, and with release-point flares. 2 main concentrations of bombing developed about 5 miles apart, both on track. The damage to the target was not severe, and cannot be distinguished from that caused by aircraft of U.S.B.C. which bombed Stuttgart on 6th. September. Chly 4 Lancasters were lost; this was mainly due to the confusion of the enemy controllers resulting from the attack on Munich.

FRIEDFICHSHAFEN

2. The feint attack on Friedrichshafen by 16 Lancasters of 8 Group did not attract many fighters since the enemy controllers were already confused by the Munich raid. However, useful damage was caused to the Luftschiffbau Zeppelin G.m.b.H., one very large workshop being very severely hit. Home of the aircraft was lost.

MUNICH

3. 8 of 10 Mosquitoes which set out, bombed Funish from high level. 2 collided and returned early.

AACHEN

4. Aachen was attacked by 4 OBOE Mosquitoes, only one of which was able to use the special equipment to bomb. This target was also attacked by one G.H. Mosquito, which received good signals in the target area.

DEN

5. 7 OBOE Mosquitoes, 2 of which were repeater circraft, were sent to raid. Enden. Both repeater aircraft worked satisfactorily and 4 of the bombers attacked on OBOE. The fifth bombed visually. Hono of the aircraft was damaged.

"INELAYING

80 aircraft were sent out minelaying, and 61 of these laid a total of 194 pines in enemy waters.
 3 aircraft failed to return.

LEFLETS

7. 13 of 14 Wellingtons of Training Groups and 4 Fortresses of U.S.F.C. dropped leaflets over towns in northern France. The other Wellington returned early.

WEATHER FORECAST

8. Estimated midnight position of cold front: 60°1. 25°E. - 55°T. 15°E - Humburg - Cologne - 50°T. 4°E. - Tours - Bordeaux, with waves on it.

Home bases:- generally fit for take-off, with moderate visibility. For

return, head for expected to form over Operational Groups, but is unlikely to be widespread. Possibly only 5 Group will require to divert many aircraft. Diversions available: most stations in 4 Group, coastal areas of East Anglia, S.E. England, S. Coast, S.W. England and W. Coast bases; also some bases in Training Groups until 0400 hours.

Route to Stuttgart: frontal cloud belt about 100 miles wide will first be met when crossing enemy coast, but there will be clear lanes in medium cloud above 15,000ft. From 5°E. onwards only small amounts of medium cloud and of strate-cumulus below, total amount over target not expected to exceed 5/10ths. Ground mist at target.

W. France: probably clear lanes in frontal zone between 5,000ft. and 10,000ft. Bluch strato-cumulus, base 1,500ft., over areas in N. Thundery rewith cloud base lowering at times to 1,000ft., but otherwise above 3,000ft.

Denmark area: well broken convection cloud, mainly less than 5/10ths, base 2,000ft., tops not above 10,000ft. Good visibility.

| Winde: | 750mb . | 500min |
|-------------------|-----------------|-------------|
| Bases to 51°N | 340°/5-10mph. | 330°/15 ml. |
| 51°N. to Beauvais | 360°/10 m.h. | 340°/20 ml. |
| Beauvais to letz | Light, variable | 230°/35 ml. |
| Metz to Stuttgert | 220°/25 mph. | 230°/30 ml. |

300mb

Bases II. of 53°h.

" S. " 53°h. to 51°h.

51°h. to Rheins .

Rheins to Stuttgart

350°/30 mph. 220°/65-70 mph. 220°/50-55 mph. 220°/40 mph., decreasing gradually to 21°0'/20 mph. at Stuttgart.

STUTTGART

PLAN OF ANTACK

- 9. Route: Beachy Head 50°04'N. 01°22'E 48°22'N. 05°42'E 48°00'N. 07°50'B TAROHT 48°52'N. 09°20'E turn wide left 48°40'N, 05°00'E 50°04'N. 01°22'E Beachy Head.
- 10. <u>liethed of attack</u> (a) 10 blind-markers and 11 backers-up were to drep T.I. yellow at 48°00'N. 07°51'E (4 miles, 115° Freiburg) marking the turning-point to the target, and at 48°51'N. 08°28'E (13 miles, 170° Karlsruhe) on the return route.
- (b) The blind-markers were to drop T.I. yellow on the aiming-point, eith: blindly on H2S or, if absolutely certain, by visual identification. 8 bundles of flares white were to be dropped at 10 second intervals, the first 30 seconds before the T.I. yellow. The visual markers were to mark the aiming-point with 10 T.I. red and one T.I. green after definite identification. One bundle of flares white was to be used if necessary. If unable to identify the target the were to aim T.I. green to overshoot the estimated centre of T.I. yellow by 2 seconds. The marking was to be maintained by backers-u, aiming T.I. green at (i) T.I. red, or to overshoot the estimated centre of (ii) T.I. yellow or (iii T.I. green, by 2 seconds.
- (c) Supporters were to aim their bombs visually at the aiming-point, at the estimated centre of T.I. yellow or at T.I. red. The rest of the main force aircraft were to aim at T.I. red or to overshoot the estimated centre of T.I. green by 1 second.
- (d) Release-point flares (red with green stars) were to be carried by all Y-type aircraft with qualified crews, for use if cloud conditions made it necessary.

Timing Zero hour: 0005 hours. Duration of Attack: 0001-0019 hours

Pathfinder Force

```
18 blind-markers (Lancasters) at Z - L
6 visual-markers (Lancasters) at Z - 3
3 blockers-up (Lancasters) at Z.
3 " " Z + 1
11 " " from Z + 2 to Z + 12 at one minute intervals.
```

Main Force

```
Supporters (8 Group, 26 Lancasters) at Z = 4
1st. Wave (90 Lancasters) from Z + 2 to Z + 6
2nd. Wave (88 Lancasters + 3 Fortresses W.S.) from Z+6 to Z+10
3rd. Wave (87 Lancasters) from Z + 10 to Z = 14
```

12. Tactics WINDOW was to be dropped during the whole time the aircraft were over enemy territory; at one bundle per 2 minutes on the cutward route; at 2 bundles per minute within 20 miles of the target, at one bundle per minute on the return.

A diversionary attack was to be made on Priedrichshafen by aircraft of 8 Group.

SORT IES

WEATHER EXPERITION

14. Home bases: variable. Small amounts of cloud. Total fog patches over Operational Groups after midnight became fairly widespread unland by 0500 hours, but coastal areas N. of Wash, most of East anglia and S.T. England retained visibility greater than 2,000 yards at that time.

Route: little cloud over England. Hazy. Prox French coast to 5°-6°E. 7-10/10ths. frontal cloud, main tops 15,000ft. occasionally 18-20,000ft. Variable amounts of thin cirrus above, base 20-22,000ft. To reports of icing. Fron 5°-6°E. to near target, only small amounts of cloud. Generally hazy. Vinds at 20,000ft./250°-270°/30-35 m.p.h.

Target: 7-10/10ths, thin medium cloud at alout 10,000ft.; one report gave thickness as 500ft. Some valley fog; generally hasy. Wind at 20,000ft/210°/25-30 m.p.h. Half moon, setting at about zero hour.

HIGHT PHOTOGRAPHIC STATISTICS

15. None, owing to cloud over the target.

HARRATIVE OF ATTLCK

16. T.I. yellow, which were released by 8 of the blind-markers, were visible through the thin cloud, but no visual identification was possible. T.I. green were dropped by 15 backers-up and 2 visual markers, aiming at the yellows. Release-point flares were also dropped by 8 T-type aircruft. It appears from reports by crews that two moderate concentrations of boobing developed, about 5-6 miles apart, and both on track. Lick of might photographic evidence makes it

...../inpossible to state which,

impossible to state which, if either, of these concentrations as on the target.

DAY RECONNLISSINCE

17. Reconnaissance photographs showed damage caused by this raid and the attack by aircraft of U.S. E.C. on 6th. September. Almost all the fresh damage seen was concentrated in a small area in the town centre, namely the Altstadt district. 7 small factories, including Scheef (sheet metal works and notor and aircraft installations) and Langerer und Teich ...G. (automobile, and possibly aircraft, radiators) were damaged, and 21 probable small industrial concerns were also affected. 16 public buildings, including a police-station and 5 government offices sustained damage, and about 60 incidents of damage to business and residential property were scattered throughout the town.

ALTERNATIVE TARGETS

18. 4 aircraft released their bombs in the areas of Dioppo (2). .miens/Gilsy Airfield and St. Dizier airfield, while another, which also attacked Stuttgart, dropped part of its load near Baden-Baden.

SPECIAL EQUIPMENT

- 19. H2S 17 of the 18 blind-markers reported attack, 12 releasing T.I. and/ or flares on H2S. One aircraft dropped a salvo of T.I. in error. The timing was not very good, being spread over 8 minutes, and the marking appeared to be scattered, 2 concentrations about 5 miles apart being reported. 43 other Y-type aircraft were despatched, using H2S as a navigational aid. 4 used the equipment to bomb blindly and 2 others to check the markers bombed.
- 20. GEE The Eastern Chain operated on the Lyoning and the Southern Chain on the Carolina frequency throughout. The Eastern wrizona and Zanesville frequencies were also in use from 2205-0230 hours. The visual types of interference were reported, and at times spurious pulses were seen drifting slowly along the traces. All frequencies were heavily jamed. The signals were normal, C being the strongest on the Eastern Chain and B on the Southern Chain. In general the Carolina frequency gave the best signals and the lengest range, but a few very good fixes were taken on the arizona frequency up to 06.00°2.

ENERY DEFENCES

- 21. Flak and Searchlights Little flak was encountered en route, and in the target area the barrage of heavy flak was reported as only slight to moderate in intensity. Early in the raid some predicted flak was encountered, but later all the defences diminished. Searchlights were unable to penetrate the cloud. Only 3 aircraft were hit by flak.
- 22. Fighters The first intercepted report of hostile circust was ever-heard at zero hour, when the leading aircraft were stated to be F.E. of Manich. Three minutes later, although the attack on Stuttgart had already begun, both Stuttgart and augsburg were suggested as targets. Later Manich was mentioned, and although the attack on Stuttgart was said to be increasing in intensity, all fighters were ordered to Munich, where many hostiles were reported. At 0059 hour all the fighters were ordered to land owing to fog. This, together with the confusion caused by the Mesquito attack on Munich, resulted in very few interceptions over the target and on the return journey. The greatest fighter activity was between the English coast and Laco on the outward route.
- 23. Crews reported only 17 interceptions, none of which developed into attacks although 15 bombers opened fire on the fighters.

CASULLTIES

| 24. | No. | of | aircra | ft missin | g | 4 (1.25) |
|-----|-----|----|--------|-----------|------------------|-----------|
| | ** | ** | ** | damaged | (flak 3) | - 4.4 S |
| | | | | | (fighters 0) | 14(4.1;5) |
| | | | | | (other c.uses11) | |

25. It was estimated that 2 circraft were shot down by fighters, one 30 miles S.B. of miens and the other 30 miles S. of St. Quentin. The other 2 missing circraft probably fell to flak in the target area.

125

26. 5 aircraft were hit by incendicities and 2 were damaged in combat with another bomber. 2 circraft were damaged owing to technical defects and 2 in landing accidents.

FREDRICHSHIPEN

PLAN OF ATTLCK

- 27. Route: Base Reading Beachy Hand 50°04'... 01°22'E 48°22'N. 05°42'E 48°00'N. 07°50'E TARGET 48°51'... 08°28'D 48°40'N. 05°00'E 50°04'N. 01°22'E Beachy Head Reading Rose.
- 28. Method of attack (a) T.I. yellow were to be dropped at Freiburg by blind-markers on the way to the target.
- (b) The aiming-point was to be marked with T.I. red by blind-markers, using their special equipment, unless they could identify the target visually, in which case the T.I. were to be aimed visually. 8 bundles of flares were to be dropped at 6 second intervals, the first 18 seconds before the T.I. Backers-up were to drop T.I. green and bombs visually if possible; otherwise they were to aim at the estimated centre of the pattern of T.I. red.
- 29. Timing Zero hour: as for Stutturt. Duration of Attack. 2355-2356hours

 5 blind-markers at Z 10
 11 backers-up at Z 9
- 50. Tactics WINDOW was to be cropice Lt one bundle per 2 minutes to 48°05'N.

 37°45'E; thence to the target to 18°51'. 08°28'E at 2 bundles per minute; on the return route at one bundle per minute.

SORTIES

ELTHER EXPERIENCED

2. Eases and route as for Stuttgart (pera.14)

Target: 7-10/10ths. medium cloud, tops 10-15,000ft.

IGHT PHOTOGRAPHIC STATISTICS

FPATIVE OF TICK

The Lancasters making the diversionary attack left the main bomber stream threiburg. It Preidrichshafen the target was partially obscured by cloud,

.... /but T.I. were visible

but T.I. were visible beneath. 5 blind-markers dropped T.I. red and these were backed-up by 9 salvoss of T.I. green. Reports indicate that a good concentration developed in the target area. One T.I. yellow was released in error with the T.I. red.

DAY RECOMMENSS. NICE

ALTENIATIVE TARGETS

36. Cwing to a petrol leak, one aircraft released its books in the St. Dizier area.

SPECIA EQUIPMENT

37. H2S 5 Y-type Lancasters were despatched as blind-warkers. 4 of these attacked the primary target, 3 dropping markers and books on H2S. Owing to an unserviceable set, the fourth dropped books only. 6 of the backers-up a carried H2S for navigational purposes, and 4 reached the target with serviceable equipment.

EAMY DEFENCES

38. Heavy flak over the target damaged 3 aircraft. No interceptions were reported.

C.SULLTIES

39. The only aircraft damaged were the 3 hit by flak.

MUNICH

- 40. 8 of 10 Mosquitoes which were despetched attacked Munich from high level on timed runs from the T.I. yellow at Preiburg, or From the last GET fix. No results were observed. The other 2 Mosquitoes collided near Sedan, and returned early. One aircraft was hit by flak
- 41. This attack served admirably as a diversion to the main attack on Stuttgart, although the feint on Friedrichshafen was ignored by the running commentary controllers. Nevertheless, the Mesquitoes were not intercepted by enemy aircraft.

AACHET

- 42. OBOE 4 Mk.II OBOE Mosquitoes were sent to bomb when, and one attacked using the special equipment. The others bended on D.F. runs from GEE fixes, following failures of OBOE. One aircraft was decayed by flak.
- 43. G.M. One Mesquite which carried out a further operational trial of G.M., attacked successfully, receiving very good signals in the target area. There is no evidence of the accuracy achieved.

EMDEN

44. OBOE The first operational trial of Ma.I repeater OBOE was carried out on this night with Enden as the target. Repeater aircraft were used on and leg only; the ground stations were Winterton, which worked direct, and Cleaden which operated through a repeater. 2 OBOE Mosquitoes were despatched as

repeaters for 5 bombers. Both the repeaters worked satisfactorily and 4 bombers were successfully controlled. The fifth attacked visually owing to OBOE failure. It the Mesquitoes returned undamaged.

MINELYTIC

N. W. France

15. 16 Wellingtons of 1 Group were despatched to law mines off Erest, Lorient, and St. Nazaire. The task was completed by 12 mines, which laid 23 mines. 3 sorties were abortive owing to crew failures, and one Wellington was lest without trace.

Prisian Islands

Kattegat and Aalborg Bay

47. 3 Group sent 20 Stirlings to the Kattegat and 4 to Aalborg Bay. 20 aircraft laid a total of 60 mines in the 2 areas, and 3 returned early owing to technical defects. The remaining circraft was probably shot down by ship's flak N.E. of Demark. 3 interceptions, including 2 attacks, were reported, but none of the Stirlings were demaged.

Horns keef

48. 18 mines were laid off Horn's Reof by 9 of 11 Halifaxes detailed for this area. One aircraft was damaged on take-off, and one was unable to identify the target area, and brought back its mines. All the aircraft were equipped with H2S, which was used by 6 to lay their mines blindly. The other 3 successful aircraft used it to check their positions.

Heligoland

49. 6 Group: detailed 10 Wellingtons to lay mines off Heligoland. 5 aircraft laid 10 mines in the allotted area, and 5 were unable to rin-point, and brought back their mines. 4 interceptions, including 2 attacks, were reported. Although there was no evidence of G.C.I. activity, radio beacons were active in the Schleswig and Stade areas, and it is probable that this large number of interceptions (for so small a force) was due to G.C.I. aircraft. One Wellington was damaged in combat.

LEAFLETS .

50. 14 Wellingtons of Training Groups and 4 Fortresses of U.S.B.C. set out to scatter leaflets over towns in northern France. 16 aircraft reached their primary areas, and released their loads, and one detailed for Versailles dropped its leaflets in the Dreux area. The eighteenth aircraft returned early ewing to a technical defect. One Wellington was hit by flak.

EMD/JT. BC/S.26342/1/ORS3, Jrd. December, 1913.

| | - | AIRCEAFT | I management | A/C RE | POPILIZA | _BOR | TIVE | 100000 | | Det | :E | SENSALWS. | DIVENCE | | interpretation of the second |
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| PAGE 1 TOTA | | | - 376 | 339 | 5+10 | 5 | 23 | 4 | 1,40+6 | - | 34C+7 | 18+1A0 +1 | (2) | 17 | |

^{*} Repeater aircraft.

SPECTALIST: PREIDRICHS LYET: MINICH: EDZ-: | Tincleying: Lonflets: - 7/8th. OCTOBER, 1943 (Contd.)

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| acher | 8 PPF | Hosq.IX Hosq.IV | 4 | 4 | - | 1. | - : | -1 | 1 | 1 | - : | - 1 | €u,r | : | 1. 3.9 |
| ALCHET TOTAL | | | 5 | 5 | | 2 | | | 1 | 2 | - | | | - | 38 |
| OMBING TOTAL | - | | 381 | 344 | 5+1° | 5 | 23 | i. | 1_0+7 | - | 3,45+7 | 18+1AC +1 | | 17 | |
| PERSONAL YES | - 4 | Well.X | 5 | 5 | | 4 | 1 | - | | | | | | | 10 mines |
| LORIET. | 1 | Wull-X | 6 | 4 | - | - | 2 | - | - | | - | - | - | - | 7 mines |
| ST. N.Z. IRE | - 1 | Well-X | 5 | - 3 | | - | -,1 | 1 | - | | - | | P | - | 6 mines |
| KLYTOLAT | 3 | Stir.II | 19 | 15 | 1 | | - 3 | 1 | 1. | | 1 | | 1 | 1 | 3 mines 45 minus |
| .JB034 | 3 | Stir. II | 4 | 4 | - | 744 | - 1 | | - | - | - | | 1 | - | 12 minus |
| PRISLAS | 3 | Stir-III | 19 | 15 | h = | - | 3 | 1 | 1B | - | - | | - | - | 83 minus |
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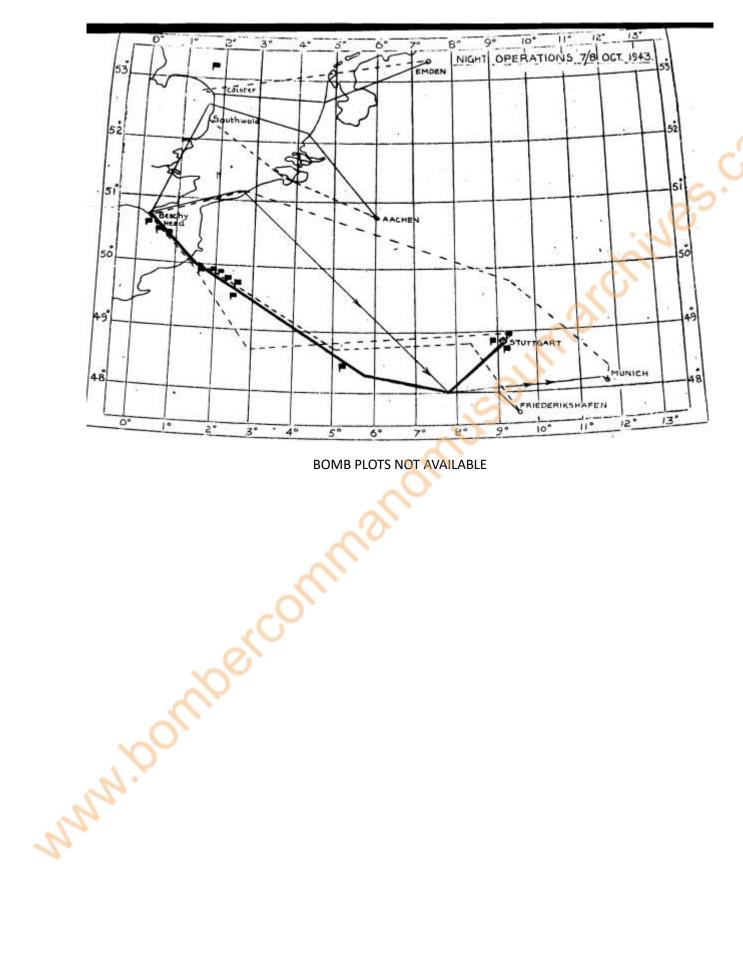
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| TLAGE? | GROUP | TYPE | SORTIES | .57.5 | ALT. | OVER NOV E.T. OVER E.T. | | DE DE | ATT | PIGHER | ; isc. ii: Flight | CAUSES | AT 10K- | ED ED | RESULTS . |
| BOMBING - | MEAN | ON TOYAL | 460 | 405 | 5+1° | 5 | 36 | 7 | 15+1±0 +7 | 141 | 5,0+7 | 1B+2.C | 4 | 20 | |
| N. PR. JACE | 91 | Well.III | 7 | 6 | -1 | - | - | - | | | | - | | - | |
| H. PALICE | 93 | Well.Io Well.III Well.X | 1 3 | . 3 | : | - | 1 | - | 1. | | | 25.55 | - | | |
| LEAVLET TO | TaL | | 14 | 12 | 1 | - | 1 | | 1 | | | | | - | |
| (U.S.B.C. (PARUS-LEA) | FLRTS | Portruss | 7.4 | 4" | 2 | | 1 20 | 4 | - | - | - | | - | _ | |
| TOTAL | | | 474 | 417 | 6+1° | 5 | 39 | 7 | 18+1±C +8 | · 1,0 | 3.6+7 | 1B+2.0 +1 | 4 | 20 | |

⁹¹ GROUP TO-DREAK - BEAUVAIS - OPLEANS - TOURS - GRANVILLE - VERSABLIES - BLOIS - (.17. TARTET - DEEDK ALSO)

O Also attacked primary.

⁹³ GROUP TO - LATING - YOUNCOING - LILLE. NOT DELUDED DI TOTAL.



BOMB PLOTS NOT AVAILABLE

BOMBER COMMAND REPORT ON NIGHT OPERATIONS

8/9th, OCTOBER, 1943.

HANNOVER: BREMEN: Berlin: Castrop-Rauxel: Duren: Kinelaying: Leaflets:

SUMMARY

HANNOVER

4.50 Lancasters, Halifaxes and Mallingtons (out of a force of 1.96) delivered a most concentrated attack against Hannover, devastating 2 square miles of the city centre and damaging 62 factories, much railway, occurred and residential property and numerous military installations. The target was clear of cloud, and the H2S ground-marking exceptionally accurate. 27 aircraft (5.44) were lost; returning crews claimed the destruction of 5 fighters, one as the result of a collision.

BREMEN

2. 95 Stirlings and 24 Pathfinder heavies were detailed to carry out a diversionary raid against Bremen, following the successful American attack in the afternoon. The target was cloud-covered and the bombing consequently scattered, although much of it fell within the built-up area. 10 factories were damaged as a result of the two raids and scattered incidents occurred in the town. 3 aircraft were lost. One fighter was shot down.

BERLIN

3. A diversionary attack on Berlin was made by 6 Mosquitoes; one other returned early. T.I. red and bombs were dropped. None of the aircraft was lost.

CASTROP-RAUXEL

4. 10 OBCE Mosquitoes were despatched to attack Castrop-Rauxel. 8 aircraft attacked, 3 using the precision device, and all returned safely.

DUREN

5. One Mosquito carried out an attack against Duren using G.H. The equipment functioned satisfactorily and a photograph was obtained, which was plotted 500yds. from the aiming-point.

MINELAYING

6. 16 of a force of 17 Stirlings laid 62 mines off the west coast of France, and all returned safely.

LAFLETS

7. 2 Wellingtons of 92 Group, and 2 Fortresses of U.S.S.C. scattered leaflets over Orleans and Rennes, without incident.

WEATHER FORECAST

6. Estimated midnight position of fronts: (i) occluded 63°N. 10W - 57°N.2°W - Holyhead, becoming (ii) warm front to 47°N.7°W. and (iii) cold front south-westwards.

Home bases:- generally fit for take-off, with little or no low cloud appreciable amounts of medium and high cloud in 1, 4 and 6 Groups only. For return, 50% of operational bases may be fit up to 0400 hours, but from 0500 to 0600 hours most airfields will probably be unfit owing to fog. Diversions we be required for all groups, especially 5 and 6 Groups, which may have to diversione 80 and 100% of their effort. Diversions should be available along coastal districts of S. England and S. of East Anglia, and probably N.W. side Cornish peninsuls. Pershore, Honeybourne, Moreton-in-the-Marsh should be fit 0500 hours, and one airfield of 93 Group up to 0600 hours. In addition, E. Scotland will have cloud base at 1,500 ft., and moderate or good visibility we some roin.

N.W.France: increasing amounts of medium and low cloud. Remainder of France: small amounts of cloud, with local fog inland late at night.

Germany: N. of 50 N., small amounts of cloud, but fog developing inland locally. Broken layer cloud at medium and low levels S. of 50 N., and S much cloud with rain in the extreme S.E.

Route: small amounts of cloud over North Sea, with higher cloud breatup quickly. Patches of strato-cumulus over eastern North Sea. Increasing medium and high cloud on return, W. of $2\frac{10}{2}$ B, making a total of 10/10ths. above 8,000ft.

Hennover: probably less than 3/10ths. cloud, with ground mist or for developing about 0300 hours. Wind at 20,000ft., 310/15 m.p.h.

HANNOVER

PLAN OF ATTACK

- 9. Route: East coast 53°15'N. 03°50'E North end of Texel Island 52°50'E 52°40'N. 09°48'E TARGET 51°56'N. 09°18'E Egmond 52°35'N. 03°50'E East Coast.
- 10. Method of Attack (a) 12 blind-markers and 14 backers-up were to drop T.I. yellow at 52°40'N. 09°48'E (20 miles 005° Hannover) on the outward route. 8 OBOE Mosquitoes were to drop T.I. red at 52°10'N. 07°21'E and T.I. green at 52°18'N. 07°19'E (on gither aids of the track on the return route, 30 miles 258° and 32 miles 275° Camabruck).
- (b) Blind-markers were to drop T.I. yellow on the target, either on H2s or visually if certain of identification. They were also to release 6 bundles of flares at 6 second intervals, the first 24 seconds before the T.I. yellow. Visual markers were each to drop a salvo of 10 T.I. red and 1 T.I. green on the siming-point after visual identification, releasing one bundle of flares if necessary. If unable to see the siming-point they were to aim T.I. green to overshoot the estimated centre of T.I. yellow by 2 seconds. Backers-up were to maintain the marking by siming T.I. green at (i) T.I. rod, or to overshoot the estimated centre of (ii) T.I. yellow or (iii) T.I. green by 2 seconds.
- (c) Supportors were to identify visually or to sim (i) at the estimated centre of T.I. yellow, or (ii) at T.I. red. The rest of the main force were aim at (i) T.I. red or (ii) to overshoot the estimated centre of T.I. green by second. (5 Group, no overshoot).
- 10. Timing Zero hour: 0130 hours

Puration of Attacks 0126-0150m

Pathfinder Force

- 20 blind-markers (Lancasters) at Z 4
- 8 visual markers (Lancasters) at Z 3
- 2 backers-up (Lancasters) at Z.
- 2 " " " at 2 +
- 21 " " from Z + 2 to Z + 22 at one minute intervals.

Main Force

Supporters: (8 Group) 23 Lancasters at Z + 4
70 Halifaxes + 2 Lancasters from Z + 2 to Z + 5
126 Halifaxes + 3 Lancasters + 26 Wellingtons from Z + 5 to Z + 11
205 Lancasters from Z + 11 to Z + 20

- 11. Tactics WINDOW was to be dropped from 03°50'E to 09°48'E at one bundle per 2 minutes, within 20 miles of the target at 2 bundles per minute, and from 09°30'E to 03°30'E at one bundle per minute.
 - (b) Diversionary raids were to be made on Bremen and Berlin.

SORTIES

| 12. | No. | of | sircraft despatched | 6 |
|-----|-----|----|---|-----------|
| 1 | | | reporting attack on primary area | |
| | | * | " alternative area | 7(1-45) |
| | | п | abortive sorties (technical and manipulative defects29) | |
| - 8 | | | (crew failure | 2(6.5.1) |
| 1 | | | | 7(5.455) |

TEATHER EXPERIENCED

13. Home bases: cloudy in N., fair to fine in S. Visibility moderate; mist and fog patches increased during the night, becoming widespread by dawn.

Route: patches of layer-cloud, tops 6-8,000ft., 8/10ths. at times. Small patches of cirrus at 28-30,000ft. Condensation trails at 22-25,000ft. Winds at 15-20,000ft.: 2600-2800/20 m.p.h.

Target: cloudless, hazy. Wind at 15-20,000ft., rather variable, light; 2800-3300/15 m.p.h. Moon 70% of full, setting shortly before zero hour.

NIGHT PHOTOGRAPHIC STATISTICS

| 14. | No. of photographs with bombing examined |
|-----|--|
| | showing ground-detail(plotted within 3 miles70) |
| | outside 3 miles18).101 |
| | (umplotted13) |
| | fire-tracks (plotted within 3 miles206) |
| | (" outside 3 miles 3).296 |
| | (umplotted |
| | No.of aircroft estimated from the photographic evidence to |
| | have bombed within 3 miles of the siming-point |
| | No. of sircraft reporting attack |

NARRATIVE OF ATTACK

The blind-markers placed their T.I. yellow very accurately round the siming-point, which was brilliantly illuminated. In spite of this, the first visual markers overshot the aiming-point by 2-3½ miles, but the next 2 dropped their salvoes of T.I. red and green within ½ mile of the aiming-point. The main force, following their usual procedure, bombed the first T.I. red that they saw, which in this instance were those nearest to the aiming-point. About 70% of the main force bombed before these T.I. were extinguished, with the result that an exceptionally concentrated attack developed in the centre of the city. The backers-up dropped their T.I. green on the estimated centre of the reds. S.E. of the aiming-point. Since, however, the majority of the main force bombed on reds, this had little influence on the course of the raid. This was undoubtedly one of the most successful attacks hitherto made using the Newhaven technique.

DAY RECONNAISSANCE

16. Recommaissance photographs showed that the central city area around and
..../south of the main

south of the main reilway station was very seriously damaged, and that the industrial district of Linden, S.W. of the town centre, had also suffered severe. The fires seen burning the day after the reid spread over an ellipitical area 2 miles long by a mile wide, engulfing innumerable buildings. About 54% of the fully built-up area of the town was destroyed, mainly by fire.

- 18. Industrial damage was exceptionally severe, 62 factories being affected, including the old works of Continental Gummiwerke (priority 1+) at Hainholz, the main Linden branch of Hannoverische Maschinenbau A.G. (Hannag) (priority 1), and the Vereinigte Leicht Metallwerke G.m.b.H (priority 1). The wool-combing factory at Döhren, which suffered so severely as a result of the reid on 22/23rd. September, suffered further heavy damage.
- 19. Buildings of the main reilway station were partially destroyed, and office of the reilway directorate almost burnt out. Shods at the northern goods station and in yards and sidings at Hainholz and Lindon were gutted, and several waggers were still burning 3 days after the attack. Engine sheds at a locarative depot near the main station were damaged, and several workshops of a wagger repair show destroyed.
- 20. The main gas works was seriously damaged, and about 70 public buildings were affected. Military depots and barracks sustained much damage, many buildings being partially or wholly destroyed.

ALTERNATIVE TARGETS

21. 6 sircraft dropped their leads in the areas of Oldenburg, Springe, Twistringen, Texel, Vlagtwedde and Beetsterzwaag. Another bember jettisened it load just before reaching the target, after colliding with an F.W. 190.

SPECIAL EQUIPMENT

- 22. <u>H2S</u> 71 Y-sircraft were despatched, 19 blind-markers and 52 main force aircraft, carrying H2S for navigational purposes. All but one of the blind-markers reported attack, 15 dropping T.I. blindly. Their timing was good and their standard of accuracy high. 48 main force aircraft reached the target with their sets in order. 4 Y-aircraft were lost.
- 23. OBOE 8 Mk. I OBOE Mosquitoes accompanied the force as route-markers. All were successful and returned undamaged.
- 24. GEE The Eastern Chain operated on the Wyoming frequency throughout am on the Zanesville and Arizona frequencies from 2359 to 0330 hours. The usual types of interference were experienced, grass or noise being the most intense, particularly on the Arizona frequency. The signals were strong and the ranges rather better than usual, due mainly to the many good fixes taken on the Zanesville frequency. The average ranges were 270 and 330 miles on the out.ari and return routes respectively.

A comparison of the plots of October raids to date showed that the irism frequency was heavily jamed everywhere, particularly over northern Holland. The Zanesville frequency on the other hand gave good ranges over Northern Hollands but was more heavily jamed over northern France and Belgium. The use of the Maryland frequency on 3/4th enabled fixes to be obtained well past 07000 Z., at the cancelling of this frequency on the following night, leaving only one target frequency, resulted in unusually low ranges.

ENEMY DEFENCES

- 25. Flak and Scarchlights Searchlights were active but hampered by the haze. Few aircraft were coned. Towards the close of the attack, small comes to formed in a line across the target, presumably to help fightors. The guns first a moderate barrage, which slackened as the raid progressed. 8 aircraft were by flak.
- 26. Fighters The Stade controller was apparently deceived by the/diversionary raid

diversionary reid on Bremon, and ordered all fighters there; but many seem to have met the main bomber stream near Hoya on its way to Hannover, and to have rollowed our aircraft to the primary target. Considerable fighter activity was reported during the later stages of the route and over the target, at least 9 bombers being lost in combat. The controller did not recognise Hannover as the main target till 9 minutes after zero hour.

27. A Halifax of 4 Group, and a Wellington and Lancaster of 6 Group, each claimed to have destroyed a Ju.88., and a Halifax of 4 Group to have shot down a FW.190. 9 returning aircraft reported fighter damage. A Lancaster of 5 Group collided with a FW.190 ad sent it down in flames; the bomber returned without its front turret.

CASUALCIES

| 23. | No. | of | aircraf | t missing. | | 2 | 7 (5.43) |
|-----|-----|----|---------|------------|--------------------------|----|-------------------|
| | | | | · damaged | (flak 8) | | The second second |
| | | | | | (fighter 9) | 3 | 2 |
| | | | | | (British incendiaries 7) | (/ | 0.00 |
| | | | | | (British aircraft 3) | | 200 |
| | | | • | S | (other causes | | 19 8 |

Only one loss can definitely be attributed to flak. This occurred over the target. Few other losses were observed; 2 sircraft (possibly 4) were seen shot down by fighters over Hannover, 5 to fighters on the outward route (North Sea, Lecuwarden, N.W. of Hannover (2) and Papenburg), and 2 on the way home, one to a fighter and one to an unknown cause. Most of the other 15 losses were probably due to fighters.

29. One Lancaster of 1 Group crashed on return, with the loss of 5 of its crew, and another Lancaster (of 6 Group) ditched off Alderney owing to a shortage of fuel. The crew were all picked up. A Halifax of 4 Group was struck by British incendiaries and so badly damaged that it was wreeked on landing. All these aircraft were totally destroyed.

BREAE

PLAN OF ATTACK

- 30. Route East coast 53°20'N. 03°50'E North end of Texel Island 52°55'N. 08°00'E TARGET 53°30'N. 09°10'E 54°40'N. 05°30'E East coast.
- 3: Method of Attack (a) Blind-markers were to release T.I. yellow at 52059'N. 08019'E (23 miles, 2530 Bremen) on the outward route.
- (b) T.I. red were to be dropped on the aiming-point by the blind-markers, usin; H2S, or visually if the aiming-point was positively identified. 6 bundles of flares white were to be released at 6 second intervals, the first 18 seconds before the T.I. red. The marking was to be maintained by backers-up, aiming visually if possible; otherwise aiming to overshoot T.I. red or the estimated centre of T.I. green by one second.
- (c) Supporters were to bomb visually, or aim at the estimated centre of T.I. red or T.I. green. Selected crews of the rest of the main force were to bomb visually or to aim at the estimated centre of T.I. red. All other mireraft were to aim to overshoot the estimated centre of T.I. green by one second.
- 52. Timing Zero hour: 0115 hours. Duration of Attack: 01:1-0119 hours

Pathfinder Force

12 blind-markers (Halifaxes) at Z - 4
4 backers-up (Lancasters) at Z - 3
3 " " at Z + 1 to Z * 3 at one minute intervals.

Main Force

Supporters (8 Group) 6 Halifaxes at Z - 4 Scleeted crews: 25 Stirlings from Z - 2 to Z. Other aircraft: 75 Stirlings from Z to Z + 4.

33. Taotics WINDOW was to be dropped at one bundle per minute on the outward route; at 2 bundles per minute within 20 miles of the target; at one bundle per minute on the return.

SORTIES

WEATHER EXPERIENCED

35. . Home bases and route: as for Hannover (para.13).

Target: 7-9/10ths. layer cloud, tops 10,000ft. Wind at 10-15,000ft./260°/15 m.p.h. Moon 70% of full, setting just before the att ck begin.

NIGHT PHOTOGRAPHIC STATISTICS

36. None available owing to cloud over the target.

NARRATIVE OF ATTACK

37. Only 3 blind-markers dropped T.I., and none of the 9 backers-up was able to identify the aiming-point visually, although 7 eventually released their green T.I. on reds or other greens. 89 of the main force reported attack, two thirds of these bombing on greens and one-third on reds. Photographic evidence shows that 3 of the blind-markers, including one which dropped T.I., bembed within 2½ miles of the aiming-point. Reconnaissance suggests that the bulk of the attack fell on the built-up area of the port, without nonleving any particular concentration. Airborne CIGAR was carried for the second time under operational conditions.

DAY RECOUNTISSINCE

Dimage caused in part by this attack and in the daylight raid by aircraft of U.S.B.C. on the preceding afternoon, was largely confined to 10 industrial works in the Neuenlander district, S. of the town centre, and in the area of the W. docks. Deutsche Schiff und Machinenbau A.C. (priority 1.), makers of subparines and other warships, sustained hits on 1 large and 3 small buildings, and 3 floating docks. An assembly shop and workshop of Weser Flugseughau (priority 1), aircraft components and assembly, were affected, together with 2 nearby merchant-vessels measuring 250° and 300°. The main building of Bremen Lugerhaus Ges (priority 2), cereal handling and siles, was partly denolished. An assembly shop of Focke-Wulf Flugseughau (priority 1+), aircraft design and construction, was damaged and a nearby airfield hangar almost destroyed. Other industrial plants damaged include an iron construction works, 2 furniture factorics, and a workshop of Karl F.W. Borgward (priority 1), A.F.V. and M.T. One railway building, 9 werehouses or conserved structures, a military barracks and a butted camp were also affected. Scattered incidents occurred among business and residential property.

ALTERULTIVE TAPGETS

39. 2 aircraft bombed alternative targets, in the areas of Beetsterzwag and Lathen.

...../SPICILL EQUIPMENT.

SPECIAL EQUIPMENT

- to. H2S 24 Y-diroraft were despitched, including 10 blind-markers, all but one of which reported attack. Only 3, however, cropped 7.1., the remainder being uncertain of the aiming-point as indicated by the set, and releasing flares and H.E. One Y-diroraft was lost.
- 41. GEE See paragraph 24.

EVENY LEFETCES

- 42. Plak and Searchlights Searchlights were active but failed to penetrate the cloud. A moderate barrage was put up by the heavy guns. 7 aircraft were hit.
- 43. Fighters Pighters were operating over the target throughout the attack, nestly Ju.88's and FW.190's. They were ordered to Brenen at 0108, 7 minutes before zero hour, and were not diverted to Hennover until half an hour later. 4 benbers reported fighter damage. A Stirling of 3 Group claimed the destruction of a Me.110.

C.SU.J.TIES

| 44. | ilo. | of a | ircraf | t missing | , | 3 (2.5%) |
|-----|------|------|--------|-----------|---|----------|
| | *. | • | 11 | damaged | (flak(fighter(British incendiaries(other causes | 15 |

The 3 missing aircraft were lost in the target area, 2 to fighters and one to an unknown cause. A Stirling ditched in shallow water off Tarmouth, after experiencing engine trouble, and was wrecked. A P.F.F. Halifax crashed on return after being badly damaged by a fighter.

BERLI

CASTROP-RATKEL

46. 10 OBOE Mosquitoes were sent on a harassing raid against Castrop-Rauxel, 10 miles N.W. of Dortmund. 8 aircraft attacked, 3 by means of their precision device and the rest on D.R. The other 2 mircraft returned early for technical reasons. None was lost or damaged.

DURE

47. One Mosquito bembed Duren successfully on G.M., producing a photograph which was plotted 500 yards from the aiming-point.

MINELAYING

48. 16 Stirlings laid 62 mines off La Pallice and in the Gironde estuary. Seventeenth aircraft was unable to pinpoint and brought its mines back. One mircraft was hit by flak, but all returned safely.

LEFLETS

49. 2 Wellingtons of 92 Group and 2 U.S. Fortresses disjersed leaflets uneventfully over Orleans and Rennes.

ENO/MIM/JT BC/S. 26342/1/CRS3, 6th. December, 1943.

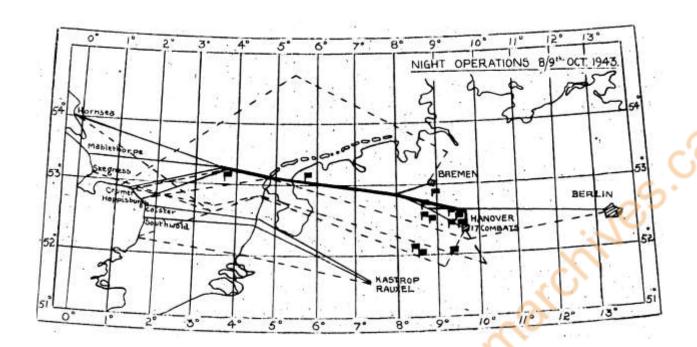
HANDOVICE PROCESS: CASTROP-RADGEL: PORCES: prince: plantheying: _en_lete: 8/9th. cotoner, 1943.

| | 7 | ALBOFAFT | | | PORTING | | KTIVE" | | | | L With | | DIVERGE | | ** more ex |
|---------------|------------|---|----------------------|----------------------|---------|--------------|----------------------|-------|------|--------------|------------------|--------------|---------|----------------|-----------------------------|
| TARGET | GROUP | TYPE . | SOMINS | ATTAC | | | HTIES | HIRS- | | - | FISC. | CAUSES | .AT.XX- | MOT ATTACK- | RESULTS |
| | | 4 | | PRIM | AHEA | OVER B.T. | NOT OVER E- T- | 1133 | Fank | FIGHTER | FLIGHT | CAUSES | 3 | ED | TOSES OF BOMES H.E. Inc. |
| HANNOVER | B PFF | Land+III | 49 . | 45 | • | | 2 | 2 | 1 | | 1C+1 | • | , 2 | - | P.376.2 803.7 15.7 13.6 |
| | 8 M. P. | Lanc.III | 25 | 21 | 2 | - | 7 | . 2 | - | 56 | • | | | | 11- 50-1 52-3 |
| | 1 | Lanc.I Lanc.III | 10 86 | 10 77 10 | | | 5 | 4 | : | 25 | | 12 | 2 | 4 | Heavy Bombs |
| | 3 | Well.X | 12 | 9. | 1 | 1 | + | 1 | - | 746 | | - | -1 | 1 | 80001b. 40001b |
| | 4 | Hal-L. | 38 80 | 31 67 | ī | 2 | 4 | 7 | 3 | 1 1B+2 | 1B+140 +2 | .10 | 5 | 2 | P. 18 237 5 VL - 13 |
| | 5 | Lanc.I Lanc.III | 70 | 12 63 | 1 | 1 | 3 | 3 | 1 | 1,.0+1 | 2 | 18 | 5 | 15 | 0 |
| | 6 | Hal-ILEV Hal-La Well-X Lenn-II | 51 19 14 16 | 45 16 10 14 | 1 | | 2, 3 1 | 1 1 | - | - | 1.40 - 1 1 | - 1E | 3 | 2 | |
| LUNDOVER TO | L | | 496 | 4,30 | 7 | 4 | 28 | 27 | 8 | 18+4±C +4 | 1D+34C +7 | 28+1B +1A | 27 | 40 | |
| (HINGONE) | 8 PEF | Hong. IX Norq. IV | 4 | 4 | - | - | 2 | - | | | | : | -4 | V | |
| ROUPE PLYSGEP | TOTAL | | 8 | 8 | | - | - | | | - | | - | | - | |

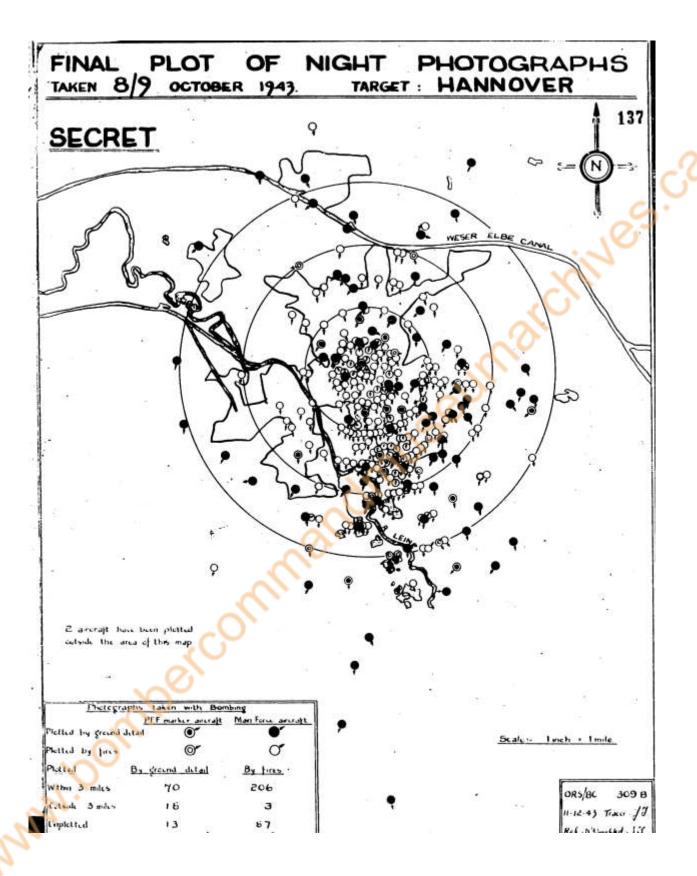
...../Conte

Hadioven Bures: Carres-Raines: Red.D: Hore: Minelaying: Leaflets: 8/9th. OCTORES, 1943. (Contd:)

| | ſ | IbCR.JT | | .√C R | PORTIN | | TIVE | tman. | | | Year | | | PYIONS | 1 |
|--------------------------------------|---------------|------------------------------|--------|-------|--------|--------------|------|-------|------|-------------------|-----------------------|--------------------|----|---------------|---------------------------|
| T.BOST . | GROUP | TIVE | SORTES | PRIM | ALT. | OVER B.T. | OVER | DE DE | PLIK | PICKTER | HISC. IN FLIGHT | CAUSES | KD | MOT ATTACK | FORSULTS TOKS OF E |
| HANNOVER LID BOUTE MAINTER | TOTAL | | 504 | 138 | 7 | - | 28 | 27 | 8 | 1B+8-4C+4 | 2E+18 +1a | 18+3-0 | 27 | 40 | P. 172.4 1 |
| BRECEN | 9 1977 | Hal-II Hal-In Lanc-III | 11 7 | 9 6 | ī | = , | t - | | - | 1 | - | - | - | . : | Heavy |
| 1 44 (| 8 M. P. | Mal.L. | 5 95 | 4 | - | - | 1 🏑 | | - | | | | - | | P4 A |
| BREME! TOTAL | 3 | Stir-III | 119 | 104 | 2 ' | - | 10 | 2 | 7 | 1E+2±0+1 | 12 | 1 _a C+2 | 10 | 9 | 15 1 |
| CASTROP- RADONIA | 8 Pry | Mosq.IX Long.IV | 2 8 | 2 6 | 1 | - | 1 | | | (E4Cap.+) | | TALLE | 7 | - | H. R. P. 5.8 p. 0.8 |
| CLSTROP-PLIDOX | | | 10 | 8 | 1 | - | 1 | | | - | - | | | - | · · · · · · · |
| BEST DE | 8 PFF 8 | Mosq. IV | 7 | 6 | - | - | 1 | 7.2 | 1 | | - | | | 1- | F. 2.7 1.2 |
| DORR! | | Mosq.IV | -1 | 1 | - | - | - | | | 1E+1B+. | 3E+1B | 1E+4C | - | - | 2. 0.7 |
| MINILLYISI | 3 | Stir.I | 641 | 557 | 10 | - | 40 | 30 | 16 | 6 _{NC+5} | +1,4 | +9 | 37 | 50 | 10 miner |
| GIROUDE L. P. JICE | 3 | Stir-III | 10 - | 9 | - | - | -1 | - | - | | | - | | - | 22 mines |
| MINKLATE TO LEAFLETS | TAL | V | 17 | 16 | - | - | 1 | - | | | - | - | - | - | 62 miner |
| ORLEUS (U.S.B.C. (SOCIEC-13CA) | 92 | Well-X Portrenn | 2 | 2 | - | - | | - | ÷ | - | - | - | - | -}- | |
| 4.0 | 2) | | | | | | | | | | | | | | |

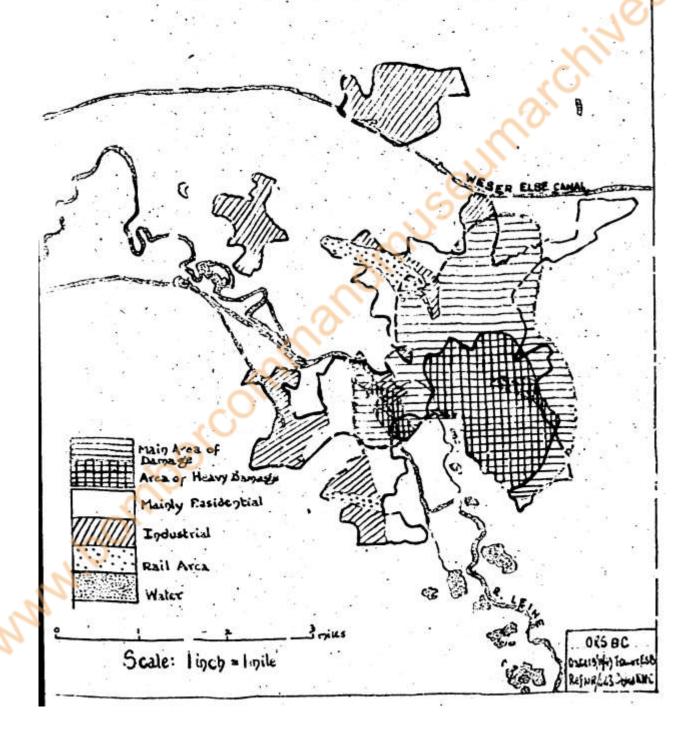


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SECRET

DIAGRAM SHOWING LOCATION OF ATTACK AS INDICATED BY DAMAGE HANNOVER 8/9th OCTOBER 1943



COPY NO. 16

BOMBER COMMAND REPORT ON NIGHT OF PATICUS,

9/10th. OCTOBER, 1943.

Berlin

SUPPLARY

1. 6 Mosquitoes were despatched on an anti-morale attach against Berlin. 5 successfully completed their task; the sixth returned early. All crews reported that large fires were still burning at Hanover from the previous night's raid. All aircraft returned safely.

WEATHER FORECAST

2. Bases: - Variable cloud. Visibility noterate to poor early in evening; bases should generally be just fit for take-off, with 2-7,000 yards visibility (locally 1,000 yards). Fog will form in smoky areas before midnight, becoming widespread later.

Continent:- Little or no cloud, apart from some layer cloud over France and S. Germany. Fog after midnight in smoky arc.s.

SORTIES

| 3. | (p) (v) | No. | of | aircraft despatched |
|----|------------|-----|----|-----------------------------------|
| | (c) | | ** | abortive sorties (crew failure) 1 |
| | (o) | * | | aircraft missing 0 |

WEATHER EXPERIENCED

4. Bases:- General mist and fog by midnight, afracting the whole of England by dawn.

Berlin: No cloud. Good visibility. No moon.

EVERY DEFENCES

No reaction by enemy fighters was heard and no sightings were reported. Very many searchlights were active at Berlin and some Hosquitees were held for several minutes at heights up to 30,000. Hoderate flux co-excrated.

CASULTIES

All our mireraft returned undamaged.

MLM/JT. BC/E.26342/6/CRS4, 1st. December, 1943.

| Direct Colored Direct Colored Direct Colored Direct | | | | | | | |
|---|----|----------------|------------|------------------------------|-----------|-------|--|
| 9/10th. COTTONES, 1913. GROUP 1YPE SORTIE AND | | | BERLIN | TARGER | l Pr | | |
| ADMINIST SORTING SOR | | | 8 297 | GROUP | | | |
| 9/10th COTENER, 13th. SORTIS AND AREA TO STATE | | | 1500 q. IV | | | | |
| 9/10th COTORES, 121). JC ABERTIN MORTES 125 | 25 | | 6 | | | 10 11 | |
| 9/10th. CCTORER, 1923. THE SOMETES TO STAND TEST OF THE CAUSES ED ATTACK (E.Z.) ACE. O'RE E.T. OVER Z.T. TOTHER T. T. CAUSES ED ATTACK (E.Z.) 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 | | | 5 | 7T.35 | | | |
| 9/10th. COTORER, 12-X. -SOM: IVE 1153 Lo. X.II 1150 OV. FER AVY CA- NOT Berb Tommage 9/NS NOT V. X FLORITE II CAUSES ED AVY CA- (E.Z.) 1 1 1 1 1 1 1 | | | - | 001 | | | |
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| High | | | | DOT OVER | | | |
| Total Tota | | 01 60 | *(| IMESS- INC | | | |
| TIGHTER TISC. OWNER ATTACK. ROT ATTACK. (E.Z.) PLORITER TISC. CARSES ED ATTACK. (E.Z.) 1. 3.5 | | | 1 | mia | | | |
| PLIGHT CAUSES ED ATTACK- (E.Z.) L: CAUSES ED ATTACK- (E.Z.) L: 3.5 | | | 40, | | <u>5.</u> | | |
| OWHER ATTACK— HOT ATLACK— (E.Z.) | | | | I! | | | |
| ED ATLACK- (E.Z.) | | | | CAUSES | | | |
| HOY TORNEGU (E.Z.) TO J.5 | | 0 | | ATT CK- | 9811 | | |
| Beric Tommagu (E.Z.) | | S _S | | HOT ATTACK | 90 | | |
| mage | | il. | 5. 3.5 | Berit To | | | |
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COP NO. 16

FOMBER COMPLIED REPORT ON FIGHT CPER ANOUS,

13/14th. OCTOBER, 1943.

Cologne: Duisburg:

TEL RY

. 4 Mosquitocs were despatched to Duisburg, and a similar number to Cologne, a horassing raids. All completed their tasks, using the GEE/DR technique, and turned safely, although 2 were damaged by flak.

E.THER FORECLIST

Bases:- Cold frontwill affect operational areas to-night; midnight esition, S. Lines to Isle of Wight to N.W. France. Low cloud and light rain in 30-nile wide belt in frontal zone; much layer cloud and poor visibility S.E. of rent, clear skies to N.W. with fog ferming towards dawn. 3 and 8 Groups fit at usk, with broken strato-cumulus at 2,000' and noder ate visibility, locally crhaps 1-2,000 yards. 5 and 1 Groups will have 10/10 ths. strato-cumulus at ,000' or below at dusk. 4 and 6 Groups will have bad frontal conditions till 200, then radiation fog.

Germany:- Fine, with moderate visibility: lee. I feg in Middle Rhine. Mick snoke haze in Ruhr. Moderate visibility at Berlin.

France:- General fog in N.E. Variable amounts of strate-cumulus along f. coust, with fog patches and 10/10ths. low cloud in vicinity of celd front.

TRIES

CLUHER ELFERIENCED

Bases: - Fog and very low cloud over Lines and S. Midlamds, affecting S. Erkshire and parts of East inglia before midnight, and increasing during the light.

Route:- 10/10ths. layer cloud, base 3,000', tops 28,000', breaking from 5°E. to nil over Germany. Condensation trails at 28-35,000'. Patches of cloud it 600' on return.

Ruhr: - No cloud. Moderate visibility, with some ground fog. Full moon.

EMY LEFE CES

Moderate heavy flak, co-operating with searchlights, was encountered from the targets. No fighters were observed.

SULTIES.

All our aircraft returned undanged.

14/JT. 3/S.26342/6/ORS4, at. December, 1943.

| | | | | | | 153 | /14th. | DOTOTT | | | | 05-20-5-8-4 | | 1) 2 | |
|---------------|-------|--------------------|--------|-----|-----------------------------------|-----------------------------|--------|-------------|-----|--------|-----------------------|-----------------|-----------------------|---------------------------------|------------------------|
| ENER | GROUP | TYPE | SOPETE | | CHOCK!TI CH ON ALM. AREA | SOF SOF OVER E. T. | T183 | lase- re | Mak | PEGAER | MISUA DI FLIGHT | OTHER CAUSES | MTX-C -MTX-C CG | IP O S 1000 2 Tack- ED | Bemb Tönnige (H.E.) |
| COLOGNE | 8 PPP | Monq.IX Monq.IV | 1 3 | 1 3 | 1.5 | 1 | : | 2 | 1 | : | - | - | 1 | - | P. 3+1 |
| COLOGYE TOTAL | | | 4 | 4 | 1 | + | - | | 2 | - | - | - | - | - | P. 3.1 |
| TOTAL | 8 PFF | Mesq. IV | 8 | 8 | - | - | - | - | 2 | - | 14 | - | - | - | 0.3 |
| MM , S | | | , (| | | | | | | | S) | | O O | | |

BOMBER CONTAND REPORT ON NIGHT OPERATIONS

16/17th. OCTOBER, 1943.

Dortrund: Leaflets:

SUMMERRY

- 1. <u>Dortmand</u> 9 Mosquitoes (one fitted with G-H) carried out a successful tarassing raid on Dortmand. All bombed on D.R., 8 according to plan and one recause the G-H equipment failed. All returned safely, although 2 were hit by Plak.
- Leaflets 8 Wellingtons and Whitleys dispersed leaflets over various towns in Northern France; 3 other directfractured early. No losses were sustained.

ELTHER FORECLIST

Bases: - Occlusion will affect operational areas to-night (midnight position: Abrides to Solway Firth to Bristol to N.W. France). Belt of rain and low cloud in frontal zone; but at midnight Lines and Dast anglia will only have broken trate-cumulus at 1,500-2,000', and some medium cloud. Rain should not reach test anglia till 0300-0400 hours. Visibility mederate except in rain.

Germany: - Variable amounts of medius and strate-cumulus cloud; well raken medium cloud in Ruhr - Bremen - Hanever - Middle Rhine area.

France:- Variable amounts of medium and low cloud. Frontal conditions long W. coast; low cloud and rain.

| R: | 1325 | 6.0 | | | Dortziund | Terr. | lets |
|----|------------|-----|----|--|-----------|-------|------|
| • | (c) (b) | 11 | ** | aircraft despatched " reaching primary area abortive sorties | . 9 | | 8 |
| × | (d) | | | aircraft missing | | | |

E.THER EXPERIENCED

Dertund: 5/10ths, thin low strutus. Very hasy. Good visibility. No

N. France: - Generally, 10/10ths. cloud. Full moor.

EN DEFENCES

Hosquitees experienced slight but accurate predicted flak at Dortund. eaflet aircraft were engaged by heavy flak at Cherbourg, Dinan and Cabourg, where Ju. 38 was seen.

SU.J.TIES

all our aircraft returned safely. 2 Mesquitees and one Wellington were lightly damaged by flak.

2/JT. 2/S. 26342/60954, 22. December, 1943.

DORTHITD: Locifloto: 10/17th. 0010703, 1945.

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COPY NO.

BOMBER CONSCIOU REPORT OF HIGHE OPER CHOICE

17/18th. OCTOBER, 1943.

Berlin: Machen: Hamborn: Minelaying: Leaflets:

SUICLRY

- 1. Berlin 8 Mosquitoes were ces atched on a hurassing raid against
 Berlin. 6 attacked the capital, which was clear of cloud. Boobs were seen
 to burst in the built-up area. The other 2 aircraft returned early; no
 losses were sustained.
- 2. <u>Machen: Hamborn:</u> 3 Mosquitoes, equipped with 15. II OBON, carried out a haransing raid on Machen. ... G-H Mosquite, despatched on a precision test to Hamborn, had to abandon its task owing to GTM failure. Il returned safely.
- 5. Minelaying 49 Stirlings and Wellingtons haid 18%, mines off the Frisians and the French Atlantic ports. 3 carried M23, and one used it to determine its position at the time of release. 5 other sorties were mortive. No losses were sustained.
- 4. <u>Leaflets</u> 16 Wellingtons and Whitleys were detailed to disperse leaflets over towns in Northern France. 10 completed their task. "Il returned safely.

WELTHER PORCEST

5. Midnight frontal position: Spurn Head to Paris to Marseilles.

Bases: Broken cumulus and strate-cumulus at duck, tase 1,500'.

Visibility moderate to good. Cloud will disperse during the night, except in W. during scattered showers. Visibility treables after midnight N. of the Wash.

Germany: - Variable strate-cumulus with none good electroness. Ruhr: 10/10ths. below 25,000' by 2030. Berlin: cloudless all night.

France: - Cloud to 20,000' along front. Heavy showers in Bay of Biscay, with local hail and perhaps lightning; cloud base generally above 1,500'.

Prisianc: - Frontal belt will plas through this area from the west between dusk and midnight, with a narrow belt of rain an eloud at 1,000' or below. On either side of this, low cloud broken above 1,500'. Moderate visibility.

| SOUTH | 3 | | | | Bombing | Minc. rying | Leaflets |
|-------|-------------------|------|---------|---------------------|--|--|--------------------------|
| 6. | (a) (b) (c) | Nc • | of " | aircraft despatched | 12 9 3).3(t.10 (oron (icin | feet.3) (ici fal.1) 5(t. g1) (cr | 16 ing.3) lef.2) 6 |
| | {d} | " | : | mines laid | 0 /herer e | 184 | |

VELTHER EXPERIENCED

7. Eases: - Eroken low and medium cloud during the operation. Moderate to good visibility.

Berlin: - Cloud broke sharply from Dutch coast. Clear skies of Berlin Slight haze. Good visibility.

Ruhr: - 10/10 ths. cumulo-nintus to 29,000'. Poor visibility.

Prisians:- 6-9/10ths. towering cumulus ever North Sea, tops 25,000', 2-3,000', falling to 500' in heavy thunder showers. Severe lightning and thundersterus, with heavy rime in cloud. Bad frontal conditions were net near Terschelling, with cloud tops to 29,000' and base 500'; elsewhere, conditions as for route.

U. Prance:- Generally 3-5/10ths. cloud, base 7-4,000', tops 5-6,000' (locally 8-10,000'). Considerable static in cloud on route, with heavy clerice formation. Good visibility.

Three-quarters moon during mining operations.

EDDAY DEFENCES

8. Small-scale activity by controlled fighters was heard from areas of M. Germany and Holland, and patrols were active in the Recamp/Rouen district. Minterceptions were reported and only 2 sightings, one at Berlin and the other near Cap Frehel. Many searchlights were operating at Berlin, probably for the benefit of fighters, as little flak was experienced. Intense and accurate flak was met over machen. Minelayers were engaged at Cap Frehel, St. Male and the Channel Islands, as well as from the usual coastal points.

CASU LTEE

9. No aircraft was lost. 2 Mosquitoes were slightly damaged by flak, one over Jachin and one at Bremen en route for Berlin. .. toaflet aircraft was also hit.

BC/S. 26342/6/ORS4, 2nd. December, 1943.

HORLES AND TES: MEMBERS PERSONNEL LEAFLETS: 17/18th. OCTOBER, 1943.

| | |) 41 | | | | | 0.44 | | | Sensor V | legen and | | | | |
|------------------------|--------|---------------------|---------|----------|--------|-------|-----------|----------------|------------|---|----------------|-----------|----------|---------|---------------------------|
| | | AIRCRAFT | 0000 | A/O RE | POHIZY | 43064 | | i Esti- | | 14 | JULE IMISC. | 05402R | DETERORP | Viol. B | BOIGH TOURISM |
| TARGET | GROUP | LALE | SORTES | PRIL | ALIT. | SORE | INCT | 2143 | YLAX. | FIGURE | III | CATIBLE - | ED ED | ATTICE- | (H. E.) |
| | 1 | 17 | | AREL | | E. 7. | OVER | | -110000 | 100000000000000000000000000000000000000 | PLIGHT | M-2010 | | ID | at 65% |
| BELLE | 8 2.7 | Mosq.IV | 8 | 6 | - | - | R.7. | - | 1 | | +- | | - | - | P. 4.7 |
| EGGEN . | 8 71.7 | Monq.IX | 3 | 3 | - | | - | - | 1 | | - | - | - | | P. 2.3 |
| HL: BORN | 8 Pr7 | Mosq. IV | 1 | - | - | - | 1 | | - | - | - | - | - | - | - |
| THE BOARD | 1 | 31.81 | - | | | | _ | | | | | 10. | | 0 | |
| BOYDING TOTAL | 4 | | 12 | 9 | - | - | 3 | | 2 | - | - | 194 | | - | - |
| ADMITTED TO | 1 | Well-X | 6 | 6 | _ | | | | . <u> </u> | - | - | - | | | 12 mines |
| LORIDAY ST. KAZAIRS | 1 | Well+X | 6 | 6 | - | - | - | - | - | - | - | - | - | | 12 mines |
| In Par LICE | 1 3 | Stir-III | 8 | 5 | - | - | 1 | - | | - | - | - | - | - | 15 mines 27 mines |
| PRISLAS | 3 | Stir. III Stir.I | 1. | 1 | 1= | +=- | 1-2 | - | - | - | - | - | | 174 | 6 mines |
| | 7 3 4 | Stir.III | 19 * | 19 | - | - | | - | - | - | 1= | -1- | 1:- | | 102 mines |
| p.025T | 6 | Woll.X | 6 | 5 | - | | 1 | - | - | | + | | 1 | - | |
| MERITANDO . | TOTAL | | 54 | 1.9 | - | - | 5 | - | - | | - | - | - | - | 18% mines |
| 12.7278 | 100 | 41.4 | 1 5 1 | | 8 | 100 | | | | 1- | 1 | 2 | | 1 | The state of the state of |
| B. J. LOB | 91 | Whit.V | چ | 3 | | | 3 | : | 1 | 12 | 4 n - 1 n + | | 1 2 | - | |
| 100 | 93 | Well-X | 2 | - A | - | - | 1 1 | - | 11. | - | - | | 1 | W | t |
| | | Whit.V: | 2 | 1 | - | - | 1-1- | - - | | + | + | | | | |
| LEFLET TO | Tala | | 16 | 10 | - | - | 6 | - | 1 1 | 1 | - | - | | | - |
| TOTAL | | | 82 | 68 | 1- | - | 14 | 1- | 3 | N.S. ORAN | - | 1 | 1- | - | - |
| | | 91 GROU | P 70: 0 | CHARMES | : OKLI | MAR. | 777.792 | 11 | | | | | - | | 1 |
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BOLBER COMMAND REPORT ON NIGHT OPERATIONS

18/19th. OCTOBER, 1943.

HANNOVER: Berlin: Stolberg: Duisburg: Emden: Dusseldorf: Minelaving: Leaflets:

SUMMARY

HANNOVER

- 1. 360 Lancasters were despatched to Hannover, in the fourth attack delivered against the city within a month. The target was covered with cloud and much of the bombing fell in open country N. and N.W. of the town; but the industrial district of Hainholz suffered heavily, at least 21 separate factories sustaining damage, including two rubber works of the highest priority. Transport and military installations were also affected. Fighters were exceptionally active in the target area, but weather conditions and the scatter of our force subdued their offorts. 17 bombers (4.7.) were lost; 2 fighters were destroyed.
- 2. Borlin 7 Mosquitoes carried out a diversionary raid on Berlin; an eighth returned early. None was lost.
- 3. Stolberg:Duisburg:Emden:Dusseldorf: 25 Mosquitoes were detailed on harassing roids and training flights against targets in N.W.Germany. All were equipped with OBOE, and the force despatched to Emden contained 2 repeaters. 19 aircraft attacked their targets, 10 by means of their special equipment and 9 on D.R. Both repeaters failed to function properly, because of a difficult beam wind, so that none of the Mosquitoes on Emden could be controlled by the ground stations. One Mosquito swung and crashed while taking-off. All the rest returned safely.
- 4. Minelaying 6 Wellingtons laids 12 mines off the Dutch ocart without incident.
- 5. Leaflets: 11 Wellingtons dispersed leaflets over towns in Northern France; a twelfth returned early.

WEATHER FORECAST

6. Bases: Front approaching from S.W., probably lying at midnight from Pembroke to Beachy Head (to Paris to 45N. 03E), with a rain belt extending to a line Valley-Manston. All bases should be fit till fairly late in the night, with broken medium and low cloud, base 1,500-2,000', and moderate to good visibility.

Germany: Cold front will affect W. Germany, remaining almost stationary all night. Midnight position: N. Denmark to Emden to Cologne to W. Alps. 2 layers of cloud in frontal zene, both above 10,000'; tops of main madium sheet 14-16,000'. Base of cirrus 25,000'. The same conditions will hold for the Ruhr. Hannover may be only \$\frac{3}{4}\$ covered with low and medium cloud (tops 18-20,000') but is in risk of 10/10ths. to above 20,000'. Cloud will disperse E. of the front to small amounts beyond 11 E.

Dutch coast: Well broken low and medium cloud above 1,500'.

Winds at 20,000':- Hannover, 180°/25 m.p.h. Ruhr: 190°/50 m.p.h.

HANNOVER.

HANNOVER

PLAN OF ATTACK

- 7. Route East Coast: 53°20'N. 03°50'E N. end of Texel 52°40'N. 09°48'E HANNOVER 51°55'N. 05°20'E 52°33'N. 04°36'E 52°45'N. 03°30'E East Coast.
- 8. Route-marking Visual markers of 83, 97, and 156 Squadrons, were to dr. T.I. yellow at 15 miles/224 from Bremen to assist the navigators of Mosquitoes flying to Berlin.
- Target-marking Blind-markers were to drop T.I.yallow on the siming-point mesorting to visual identification only if absolutely positive of their position. They were also each to release a string of flares, 1st. bundle 12 scoulds before T.I., other bundles at 6 second intervals thereafter. Visual markers were to follow with T.I. red; if unable to identify the siming-point, they were to get as backers-up, siming greens at the centre of yellows with 3 second over : not. Each visual marker was to carry one bundle of white flares, to be used at the Captain's discretion. Backers-up were to maintain the morking with greens, sire at (in order of preference) reds, centre of yellows or centre of greens, overshooting in either of the last two eventualities by 3 seconds. Supporters were to identify the target visually, otherwise to bomb on reds or the centre of yeller with T.V. setting of 1,000 f.p.s. on bombsight release, after a 2 second overshoo: for 2000 H.C. bombs. Main force aircraft were to aim at reds or the centre of greens. If cloud conditions presented unusual difficulties, qualified Y-crows were each to drop one red flare with green stars; the main icres were to bomb these on a heading of 195°M.
 - 10. Timing Zero hour: 2015 hours. Duration of attack: 201:-2029 hours

P.F.F.

```
Blind-markers: 20 Lanc. at zero - 4
Visual-markers: 8 Lanc. at zero - 2
Backers-up: (4 Lanc. at zero + 2
2 Lanc. at zero + 3
9 Lanc. from zero + 4 to zero + 12 (1 per minute)
```

Main Force

```
25 Lanc. at zero - 4
73 Lanc. from zero + 2 to zero + 5
73 Lanc. from zero + 5 to zero + 8
72 Lanc. from zero + 8 to zero + 11
72 Lanc. from zero + 11 to zero + 14
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11. Marker Loads

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Blind-markers : 20 Lanc: 6x4 white flares + 2 yellow T.I. ( 1 L3)
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Visual-morkers: 3 Lanc: 1x4 white flares + 1 green T.I. + 6 not T.I. (5 LB)
5 Lanc: 1x4 white flares + 1 green T.I. + 9 not T.I. (4 LB)
+ 1 yellow T.I. (LB)
```

Backers-up - : 15 Lanc: 4 green T.I. (2 LB)

12. Tactics WINDOM was to be dropped at the rate of and bundle every 2 minutes from 04000'E to 09048'E; one bundle every half-minute from 09048'E to the target and back to 09031'E; and one bundle every minute from 39031'E to 03041'E.

At zero +18, 8 Mosquitces were to make a diversionary attack on Berlin.

...../SORTIES.

SCRIES

| 13. | (a) | No. | of | aircraft | despatche | ed | 360 | |
|-----|-------|-----|----|----------|-----------|--------|-----------------------|-------|
| | (4) | " | " | . " r | eporting | attack | on primary area 332(9 | 2.23 |
| | . (0) | | 11 | | | ** | " alternative area 2(| 0.65) |
| | (a) | ** | | abortive | sorties | (techn | ical or manipulative | |
| | | | | | | 0.000 | error8) 9(| 2.53) |
| | | | | | | (crew | failure1) | |
| | (e) | 39 | ** | aircraft | missing. | | | 4.75) |

WEATHER EXPERIENCED

14. Bases: A belt of rain covered England and Wales S. of a line Manston Aberporth at 2100, and moved N.E'wards at 20 m.p.h. Cloud remained above 1,000 everywhere except the Chilterns and Salisbury Plain, even during continuous rain. Visibility moderate to good.

Route:- Small patches of cirrus near the East Coast increased quickly to 4-8/10ths., over the North Sea, base 23-25,000' with 5-8/10ths. alto-cumulus, base 12,000' tops 14-16,000'. Alto-cumulus thickened at times to 10/10ths., especially inland over Holland and Germany. Light rime and frost were encountered while ascending through medium cloud; there were reports of ice formation on windscreens, and of bumpiness and light static over the North Sea. Good visibility. Dense and persistent contrails formed between 03-07 E, from 18-20,000'. Mean wind at 20,000': 180°/35-40 m.p.h.

Harmover: 4-8/10ths. cirrus, base 23-25,000%

8-10/10ths. alto-cumulus, base 12,000', tops 14-16,000'.

Visibility 5-10 miles. A moon, rising about 15 minutes

before zero hour.

MIGHT PHOTOGRAPHIC STATISTICS

15. Owing to the weather, photographs were not suitable for the usual accurate plotting. an approximate method, however, suggests that about 50 aircraft booked within 3 miles of the sining-point. No plot is issued.

MARRATIVE OF ATTACK

The inadequacy of night photographic evidence makes it impossible to reconstruct the raid in detail. 8 of the 19 blind-nurkers dropped T.I. yellow, between zero-5 and zero + 4. None of the visual markers were able to identify the aiming-point, and 4 acted as backers-up, mining greens at the centre of yellows. 9 backers-up followed with greens. Of the 292 main force aircraft reporting attack, nearly two-thirds aimed at greens. 63 crews claimed to have booked on reds, although none were dropped by the P.Y.F. Cloud prevented any accurate observation of results, but the raid appeared to be scattered, although several large fires were burning.

DAY PECCHRISINGE

The N.T. of Harnover suffered most from this attack, a concentration of books. having fallen among industrial property at Hainholz and nearby; but isolated incidents occurred at Bothfeld in the F.E., Misburg in the E., and at points W. of the actual town. Several priority targets were hit, including the Nordhafen premises of Continental Gurmiwerke A.G. (rubber tyres, priority 1+), which are specially equipped for the production of Luna rubber. The ald works (priority 1+) of the same firm suffered further damage. At least 19 other factories were affected, including a comper foundry, an engineering works and a large accumulator plant. Stripping had begun on the damaged buildings of Well-Wascherei and Karmerei Döhren (wool-combing, priority 1+), revealing even more extensive damage than had previously been visible. A large building at the North Goods Station, Hainholz, (priority 2) sustained severe

...../roof Ganage, and the

roof damage, and the railway workshops at Leinhausen, further to the V., were heavily hit. In mechanical transport depot at Hainholz was partly destroyed. Severe damage was caused to the artillery Parracks in the same area, several blocks being gutted. Public buildings and business and residential property escaped comparatively lightly.

LITERIATIVE TARGETS

18. 2 aircraft bembed alternative targets at Michburg and Texel.

SPECIAL EQUIPMENT

- 19. H2S 85 T-aircraft were despatched, including 19 blind-markers. In the latter reported attack, but only 9 dropped markers (all on H2S). 8 released only, because their sets were out of creer, and one on account of flak damage. Little is known of their accuracy; only one was plotted, 12 miles from the aiming-point. 47 other Y-aircraft reached the target with the sets in orlar, and 4 bombed blindly by this means. 5 Y-aircraft were lost.
- 20. GEE The Eastern Chain operated on the Wyoning frequency roughout on the Zonesville and Arizona frequencies from 1845 to 2145 hours. The usual types of jarming were reported on the Wyoning and Zonesville frequencies, and the Arizona there were a few reports of drifting pulses in addition to the usual heavy grass. The signals on the Wyoning and Zanesville frequencies were struend those on Arizona weak, so that this frequency was not often used. Average ranges of 260 and 200 miles were obtained on the outward and homeward routes respectively.

ENERGY DEFENCES

- 21. Plak and Searchlights Nest of the flak was extended in the form of a barrage, fired to heights between 17,000 and 20,000'. Searchlight, were gener unable to penetrate the cloud, but occasionally illuminated aircraft through the presenting targets for accurate predicted "scen" fire. Some predicted "unseen fire was also experienced. The intensity of the ground defences decreased as the attack progressed. Balloons were reported in a clothe around the target of 10,000'. Little opposition was encountered on route through from strongly defended places such as Munster and Osnabruck. 11 circraft reported flak damper contents of the contents of the damper contents of the contents of
- 22. Fighters The running commentator picked our aircraft up in the meighbourhood of Groningen at 1915 hours, and directed the fighters along the route in readiness to announce the target as soon as if should be identified. At 2007 Hannover was announced after the first bombs had been dropped there. Combats and sightings of enemy sircraft were virtually confined to within 40 mills of the target area. A very large, possibly a record number of fighters was active, but weather conditions subdued their efforts. The diversionary reid and appear to have been very effective. All types of fighters were observed, especially Ju.88's and Me.109's. 2 Lineasters, of 5 and 6 Group, each claimed to have destroyed an unidentified enemy aircraft. 11 returning better sustificator damage.

CLSULTIFS

Observations suggest that 2 aircraft were lost to fighters near Bassur & the way in, and 5 more in the target area. 7 losses to flak were reported, 5 over the target, 2 at Munster, one at Hengelo and one at Csnabruck. The 3 remaining losses must be attributed to unknown causes. One Lancaster of 6 Graditched 40 niles off Orfordness because of fuel shortage; the crew were picked up by a flak ship. 3 other Lancasters acre very seriously damaged by fighters.

BIRLE

24. 8 Mosquitoes were despatched on a diversionary raid against Borlin. 7 attacked the capital on D.R. through 10/40ths. cloud; the eighth experienced GES failure and bombed Enden. All aircraft dropped WELOW. No casualties were sustained.

STOLEFR

25. 3 Mk. II OBOE aircraft were detailed to Stelberg. One bouled according to plan, but the other 2 experienced OECE failure and attacked on D.R. All returned undanaged.

DHISTURG

26. 12 Me. I OBOE Mosquitoes left for Duisbury on a training and harassing attack. 8 were successfully controlled, and 2 bombed on D.R. because of technical difficulties. The pilot of one sireruit returned early with cramp; another Mosquito swung and crashed while taking-off. One aircraft was hit by flak; none was lost.

E DEN

27. . Mk.I OBOE operation, employing 2 repeater circuaft on one leg and 5 bonbers, was delivered against Enden. Owing to a bean wind, the drift angle of the repeater exceeded the telerance permitted by the horizontal polar diagram of the aircraft, and none of the bombers could be successfully controlled.

All attacked Enden on D.R., and returned unlamaged.

DUSSELDORF

28. 1 Mk. II OBOE Mosquito attacked Dusselderf according to plan.

TELYFG

6 Wellingtons laid 12 mines off the Butch coast without incident.

LEJIMS

30. 11 Wellingtons dispersed leaflets over towns in Morthern France; a twelfth returned early. No casualties were sustained.

MIN/JT. BC/S. 26342/1/ORS3, 13th. December, 1943.

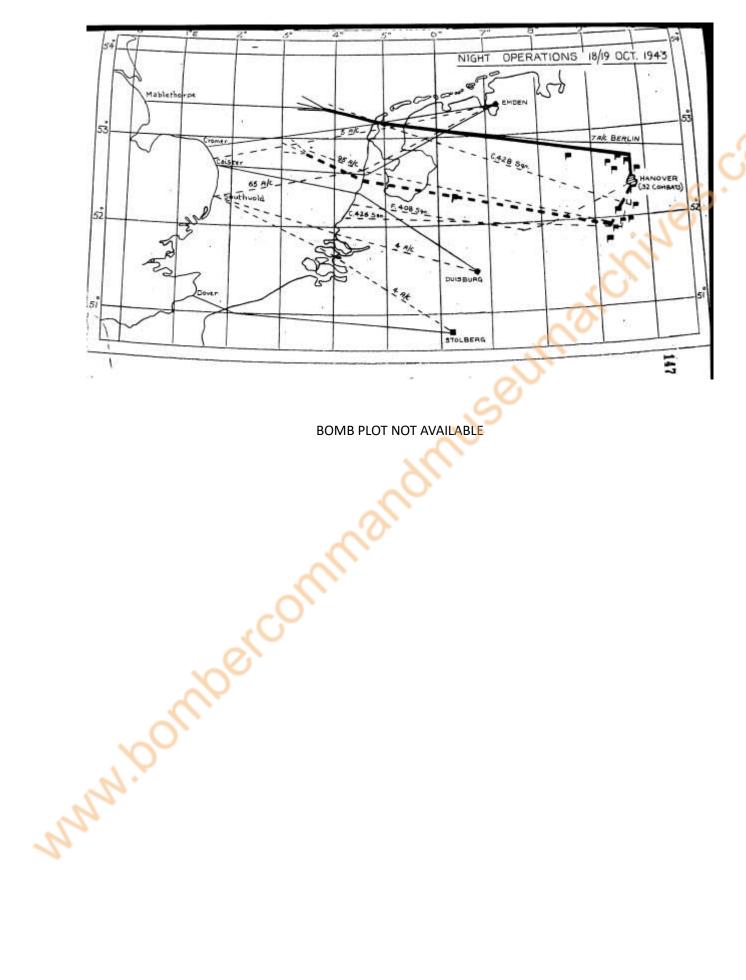
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BOMB PLOT NOT AVAILABLE

BOMBER COMMAND REPORT ON NIGHT OPERATIONS .

20/21st. OCTOBER, 1943.

LEIPZIG: Berlin: Emden: Brauweiler: Knapsack: Minelaying: Leaflets:

MRY

The first large-scale night attack on Leipzig was spoilt by Leipzig alling weather. 271 of the 358 Lancasters despatched reported attacking the y, but reconnaissance revealed only scattered damage. 15 aircraft (4.25) were t; 1 fighter was destroyed.

Berlin 10 Mosquitoes were detailed to make a diversionary attack on lin at the time of the main operation, and succeeded in drawing off the bulk of enemy's fighter strength. 2 Mosquitoes were lost.

Emden: Brauweiler: Knapsack: 4 Mosquitoes bombed Enden on OBOE, with the of a repeater. 5 others attacked the power station at Brauweiler and 4 out of force of 9 the power station at Knapsack. 4 other aircraft detailed for the ter target bombed Cologne, on the failure of their precision device. All turned safely.

Minelaying 12 Stirlings laid 63 mines off the Frisians without incident.

Leaflets 20 Whitleys and Wellingtons are ped leaflets over towns in them and Central France. 6 others returned early. No casualtics were stained.

ATH'R FORECAST

Hidnight frontal positions: (1) cold from 60°N. 11°E. to Hemburg to 50°N. E. becoming warm to the tip of a wave slightly to the N.W., then cold again to urs to Gironde. (2) occlusion from Central England to tip of wave in N.W.

Bases: - At dusk, brief thundery showers with 9/13ths. cloud, bare 1,500', tops ,000' (locally 20,000'); appreciable cl. arances between showers. Visibility derate or good. For return (from Lcipzig), little cloud, except in local lowers, and then not below 1,500'.

Much cloud along cold front, probably layered above 15,000'. arther N., much medium cloud and broken low cloud. , Route to Leipzig: inditions as for bases to 062., where frontal zene will be encountered, with 1/10ths. to 15,000 (locally 20,00'), and wide lanes below cirrus level. E. of Z., cloud will decrease to well broken mediur, tops 15,000, amount 6/10 ths. or ren less. Good visibility at Leipzig. Possibility of cuculus-nimbus tops to in frontal zone, at least locally (confirmed by Larican aircraft returning continent at 1800 hours). High icin; index above 500. '.

Winds to Leipzig 750 mbs.

500 rbs 300mbs

Bases to OSE C2-08E. . 08E-Leipzig

210-220°/35-40 mph. 230°/45 mph. 220º/25-30 mph.

220-230°/35-50mph. 230°/55 mph. 230°/50 tint. 230°/30-35 aph.

240°/90 mph. 250°/45-50mph.

Prisians:- Variable amounts of cloud, increasing to 8-10/10ths. in newers, base 1,000-1,500', tops 15,000' (locally higher). Visibility moderate or

LEIPZIG

PLAN OF ATTACK

53°20'N. 03°50'E. - N. of Texel - 52°53'. 07°40'E - 52°36'H. 11 52'E - 52°02'N. 12°42'E - LEIPZIG - 51°06'N. 12°11'E - 52°53'N. 07°40'E - N. of Texel - 53°20'N. 03 50'E.

- . 13 blind markers and 10 backers-up were to drop red spot Route-marking fires at 17 miles 2200 Bromen and yellow T.I. near Stendhal, both on the outser route, and red T.I. at 24 miles 1730 Hanover on the way home.
- Blind-markers (Y-type) were to release yellow T.I. Target-marking the cining-point; if cloud was less than 7/10ths., each circraft was also to drop a string of flares, the first bundle 24 seconds before the T.I., the second 18 seconds before, the third with the T.I., and the rest at 6-second intervals thereafter. Visual markers were to mark the exact aiming-point with red T.I.; if unable to identify tisually they were to ain green T. i. at the centre of yellows, with a 3 second overshoot. Flores night be used at the discretion of Captains. Backers-up were to maintain the marking with greens, cined at (in em of preference) reds, centre of yellows or centre of greens, overshooting in cits of the 2 last-named eventualities by 3 seconds. Supporters were to identify visually, otherwise aiming at the centre of yellows. Min force aircraft were : aim at reds or the centre of greens. All qualified Y-crews were to carry one flore red + green stars for use in unfavourable cloud conditions.

```
Timing
               Zero hour: 2100.
```

(a) Ground-marking

Blind-markers 23 Lanc. at zero -

Visual-markers 9 Lanc. at zero -

Packers-up

3 Lanc. at zero

2 Lanc. at zero + 1

2 Lanc. at zero + 2

7 Lenc. from zero + 3 to zero + 9 (1 each minute)

Main Force

27 Lanc. at zero - 4

93 Lanc. from zero + 2 to zero + 5

92 Lanc. from zero + 5 to zero + 8

91 Lanc. from zero + 3 to zero + 11

(b) Energency sky-marking

```
Blind and visual markers
                                  9 Line. from zero to zero + 3
                                  7 Line. from zero + 3 to zero + 6
8 Line. from zero + 6 to zero + 9
                                  8 Linc. from zero + 9 to zero + 12
```

liurker Loads

10 Lane: 6x4 white flares + 2 yellow T.I. (1 LE) Blind-markers: 13 Lanc: 6x4 white flares + 3 yellow T.I. (1 LB) spot + 1 red C.I. (1 LB)

Visual markers: 9 Lanc: 1x4 white flores + 1 green T.I. + 10 red T.I. (5 LB)

Backers-up:

4 Lanc: 4 green T.I. (2 LB)
10 Lanc: 4 green T.I. (2 LB) + 1 red T.I. LB + 1 yellow T.I. LB. + 1 red spot.

12. Tactics 10 Mosquitoes were to make a diversionary attack on Berlin, dropping red T.I. and white flares after a carefully timed run from the yellow WINDOW was to be dropped at the rate of one bundle every 2 route-marker T.I. minutes from 0350E to 1232E; one bundle every half minute from 1232E to Leipzig ick to 1211E; and one bundle every 2 minutes from that longitude to 0350E.

RTIES

| (a) | lic. | cf " | * reportin | chod g attack er | privary arc |
|-----|------|---------|-----------------|---------------------|----------------------------|
| (c) | | 11 | . ". " | a 11 | alternative area 50"(14.9) |
| (a) | " | " | abortive sortie | s (technica | defect or maipulative |
| | | | | | llure 3) (6.15) |
| (e) | 11 | | | | |
| | | × | plus 9 circraft | which also | e attacked the princip. |

THER EXPERIENCED

Bases: - Scattered showers in East Anglia until midright. Then a large ris of heavy showers, with local thunderstorms, affected 91 Group area and wed eastwards, occurring most of the country S. of a line wash - Bristol by dawn. Could have generally held above 1,000°, with visibility not loss than 2 miles a showers.

Route: - Variable convection cloud over North Sec, mainly 1-6/10ths., pps 12,000'. Similar conditions as far as 08°E., with local tops to 18,000'. In 08-11°E, a belt of frontal cloud presented a barrier of 10/10ths. cumulables to 21,000', and in places to 24,000'. Farge patches of cirrus lay two, base 22-24,000'. Much static and moderate to heavy line was encountered cloud tops, which lowered towards the target to 16-17,000'. Similar inditions were not on return, except that tops over the North Sea had risen to 1,000' and above.

Leipzig:- 10/10ths. convection cloud, teps 16-17,000', bracking towards all of attack. Small amounts of cirrus above. No moon. Herizental sibility good, vertical visibility mil.

Winds at 20,000': North Sea 230°/50 m.p.h.

Dutch coast - 08°E. 230°/65 m.p.h.

08°B - Leipzig 220-230°/55 r.p.h.

Leipzig 220°/40-45 m.p.h.

PAT PHOTOGRAPHIC STATISTICS

· No useful photographs were returned. .. 11 showed 10/10ths cloud.

PRICINE OF ATLICK

17 blind-markers reported reaching Leipzig, but only 7 dropped T.I. or ares, and these were inmediately obscured by the cloud. 24 Pathfinders leased M.E. only. 239 main force aircraft claimed attack, 83 of these aining suspected T.I. or flares and 89 bombing blindly on E.T.A. He concentration a achieved.

" RECORDANCE

Photographs taken 9 days after the raid revealed a number of points of rage in the town and cutskirts of Leipzig. Several industrial and commercial meerns were affected, including a group of 3 small factories engaged spectively in the production of building machinery, accumulators, and chemical rds. 5 warehouses at the goods station at Moustadt were gutted, and part of workmen's barracks belonging to the Allgemeine Transport anlagen Gam.b.H. was melished. Scattered damage was caused to business and residential property.

THE T. POETS

. 50 aircraft attacked: alternative targets in the estimated areas of Salzwedel 0), Stendhal (7), Allersehe (5), Leipzig (4), Michburg (2), Wittenberg (2)

Texel (2), Schanen (2), Ulzer (2), Magleburg, Mucheln, Jericher, Behenderf, Plankenburg, Arendsee, Dessau, Klotze, Friesorthe, Soehansen, Belzig, Akarer, Rathenow, and Lathen. 9 other aircraft, which also reported attacking the primary, bended Salzwedel (3), Stendal (3), Fittingen (2) and Grouw.

SPECIAL EQUIPMENT

- 19. H2S 86 Y-aircraft were despatched, including 23 blind markers. 17 of the latter reported attack, 7 dropping markers blindly on H2S and 10 H.E. only 6 because their sets were not in order and 4 because they were uncertain of their position. The timing was poor and there is no evidence that they were accurate 16 main force aircraft used H2S to bomb blindly. 5 Y-aircraft were last.
- 20. GEE The Eastern Chain operated on the Tyoning frequency throughout and on the Zanesville and Maryland frequencies from 1900 to 2300 hours. The usual types of jamming were reported, being most intense on the Zanesville frequency. The Tyoning frequency gave the best results, with a maximum range of 320 miles. No signals were seen on the Maryland frequency, and since the transmitting stations report no faults the absence of signals over the continent can only be ascribed to propagational conditions.

ENERY DEFERCES

- 21. Flak and Searchlights Slight heavy flak was encountered at Leipzig, mostly predicted at unseen targets, although in the later stages a molerate barrage was fired up to 22,000'. Searchlights illuminated the cloud, which they were unable to penetrate. Guns were in action at early places on route, including Stendhal, Malle and Merseburg. Accurately predicted heavy flak co-operated with searchlights at Texel. 18 aircraft were hit.
- 22. Fighters 3 running commentators were operating from Stade, Deelen and Berlin, apart from the one at Vechte/Quackenbruck, whose funtion is not fully understood. Deelen seen handed over to Berlin, but 3tale continued independent; The controllers did not always act in concerd, although they never gave contradictory orders. The fighters were first ordered to a beacen S.E. of Bremen at 1908 hours, then to Osmabruck at 1919 hours, while our circraft were crossing the Dutch coast. At 1928 hours in the case of one control and at 1956 in the case of the other they were detailed to the Stendhal area, to cover the Berlin route, at 2009 to a point W. of Brandenburg, at 2103 to Dessau and at 2124 hours to Leipzig, 5 minutes after the main attack had finished. Bremen, Hanover and Berlin were consecutively suspected of being the main objective.

For combats took place over the target. most of the interceptions occurring along the outward route. Over half the identified attackers were Ju.88's. 8 aircraft sustained fighter danage; a language of 1 Group claimed the destruction of a Me.110.

C.SU.LTIES

5 aircraft were probably lost to fighters on the cutward route, 2 S. of Groningen, 2 between Texel and Lecumarden and one 3. f. of Cleenburg. ... sixth was destroyed on the homeward route in the Texel arch. 5 were observed to fall victims to flak, one over the target, one (possibly 2) at Inden, which was well of track, and 2 more between Texel and Lecumarden. The remaining 4 losses must be ascribed to unknown causes, although unconfirmed reports suggest that 2 may have been caused by fighters in the target area. ... Lancaster of 5 Group ditched 60 miles off Grimsby as a result of engine failure. 5 of the crew were rescued. A Lancaster of 6 Group was ranned by another aircraft while on the perimeter of its airfield and badly damaged.

BERLIE

24. 10 Mosquitoes were detailed to make a diversionary attack on Berlin to mislead the enemy's fighter control. 7 reached the capital, and dropped T.I. and flares with their books. The city was covered with 10/10ths. cloud, and no results could be seen. 2 Mosquitoes were lost without trace, probably to the fighters whose attention they successfully attracted, ...ll the other aircraft returned undamaged.

EMDEN: KNAPSACK: BALTELIER

25. 4 Mesquitoes bombed Enden on OPOE, with the mid of a repeater. 5 others (2 D.R.) attacked the power station at Braumeiler, and 4 (2 on D.R.) out of a force of 9 the power station at Knapsack. 4 other aircraft detailed for the latter target attacked Cologno on the failure of their precision device, and the minth abandoned its task for technical reasons. All returned safely, 2 being bit by flak.

HIDIELLYT'G

12 Stirlings laid 63 mines off the Frisians without incident.

LE FLETS

17. 26 hitleys and Wellingtons, named by training crees, were detailed to disperse leaflets over towns in Northern and Contral France. 19 reached their targets, and a twentieth jettisched its bundles over a useful area. The remaining 6 aircraft returned early, 4 because of bad weather and 2 for technical teasons. No lesses or casualties were sustained.

LM/JT. C/S. 26342/1/ORS3, th. December, 1943.

| | 1 | LINCE PT | 1 | 1.70 B | on verific | .30R | PIVE | | | | 1000 | | DATES: | | |
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| C.MPS.LOX 202 | w.L | | 9 | 4 | 4 | - | 1 | - | 2 | | - ' | - | * | | |
| TOTAL PAGE 1 | | - 4 | 386 | 291 | 54490 | 1, 7 | 23 | 17 | 1wie19 | 11-1-2- | اسلما | 18+1B +2±0 | 19 | - 33 | |

also attacked Princry.

-----/Contd:-

IMPRIO: BERLIN: EMDS: BRAUMETING: MT.Plack: Patrolling: Minelaying: Leaflets: 20/21st. 007(BER, 19/3(Contd;)

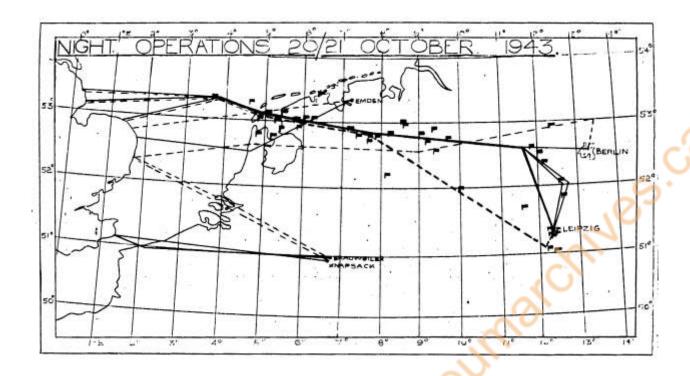
| | F 3 | ABURDY | 3 | 1/0 B | EFORTIN | d ABOR | IIVE | | | D. C. | | | | | 7.20 |
|--------------------|-------|---|---------|--------------|---------|--------------|---------------------|-------|---------|--------------|-----------------------|----------------------------|-------------------|----------------------|----------|
| TARGET . | GROUP | TYPE | SORTTRS | PRIM AREA | | OVER E.T. | NOT OVER E.T. | MISU- | PLIK | PICHTER | HISC. HI PLINES | OTHER CAUSES | ED ED | NOT ATTACK- ED | RESULTS |
| TOTAL PAGE | | V. 1. V. 16 | 386 | 291 | 54+9° | 1 | 23 | 17 | 1AC+19 | 1B+LAC +3 | 24C+1 | 1E+1B +2±0 | 19 | - 33 | 8 |
| PATROLLING | 8 PP7 | · Husq • IV | 1 - | 1 | - | - | - | 14. | | | - | - | - | | -170 |
| BOMBING TOT | ML | 100 | 387 | 292 | 54+9° | 1 | 23 | 17 | 1,40+19 | 18+430 +3 | 2 ₄ C+1 | 1E+1B. +24C | 19 | 33 | 758 4 |
| MINISTANS PRINTERS | 3 | Stir-III | 12 | 12 | 1 2 | - | 4 | - | | | | | | 745 | 63 mines |
| LEFLETS | .91 | Well-III Well-X | 5 2 | 5 2 | 1 | Q . | - | - | - : | - : | | - | | - | 120 |
| N. FRANCE | 92 | Woll.III Well.X | 5 | 5 | a.D | | 1 | 1 | - | | | | : | | 20 6 |
| ř | . 93 | Woll.IC Woll.III Woll.X Whit.V | 3 2 2 | - 10 | | 3 - | | 11. | | | 37.0 | 111 | 1 | = | |
| LE-2/27 707. | L. | | 26 . | 19. | 1 - | 4 - | - 2 | | | 4-1 | - 32 | | - | - | |
| (PARIS-LEAFL | ETS | Portress | 5 | 51 | | ' | - | | | | to the same of | | - | | |
| TOTAL | | Also attack | 425 . | | 55+9° | 5 '91 cu | 25 SUP TO | 17 | 140+19 | +5 | 2.0+1 = 18 112 | 1E+13 +2.0_ S - JBCE | -19 277.01 = 0 | 33 - | Jan |

o Also attacked Primary.

* Not included in total.

92 GROWN TO PLRIS - CHEMI'S

93 court to 12 years \sim 57. 12.10 \sim Regimes \sim 2008Rs \sim Gr.207ILLE.



3OMB PLOT I **BOMB PLOT NOT AVAILABLE**

COPY NO. (6

BOMBER COMPLETO REPORT OF HIGHT OFFER TICKS

21/22nd. OCTOBER, 1943.

Buderich: Enden: Dortmund:

SULLEY

Juice 7 18 + 420#

4 Mosquitoes, assisted by 2 repeaters, were intailed to carry out the first CFOE attack on Emden, a target previously outside the range of this device. 3 completed their task, and one abandoned its mission. 4 CFOE sorties were also sent to Euderich; 3 were successful and the fourth bonted machen on the failure of its precision device. In eleventh Mosquito attacked bortoned using the GEE/DR technique. Ill returned undamaged.

TRATHE PORTCAST

 Midnight frontal positions: - cold from 577. 15E to Hamburg to 50 N. 07E. to Limoges to Bordeaux.

Germany: - Cloud to great heights along front. Broken tedium and convection cloud to N., tops below 15.000'. Much medium cloud in s.E. with little or no low cloud. Breaks to 7/10ths. are possible in buhr carly in the night, and at Wilhelmshaven after 0100. 10/10ths. at Berlin. all night.

Prance:- Cloud to great heights in N. and N. J., with thundery showers.

Bases: - Mainly fit all night. Coassional showers. Well troken convection cloud in N., tops generally below 15,000'. Tops to 20,000' in thundery showers further S.

SORT LES

| 3. | (a) | No- | 00 | aircraf | 't despatched | 11 |
|-----|-----|------|----|---------|--|----|
| * 5 | 1-1 | 1.0. | - | | | |
| | (b) | 37 | ** | " 0 | completing mission (including 2 repeaters) | 9 |
| | (c) | | ** | - 10 | reporting attack on alternative area | 1 |
| 0.5 | (c) | ** | ** | | ve sorties (tech. defect) | |
| | 301 | | | | 't missing | |

WEATHER EXPERIENCED

L. Ruhr: 5-8/10ths. alto-cumulus, tops 20,000', 3-5/10ths. stratus, tops 8,000'. Good visibility.

Enden: 10/10ths. cirrus, tops 30,000'. Good visibility.

No moon during operations.

ETERY DEFENCES

5. A little reaction by controlled fighters was heard, but none were seen. Fairly accurate flak was encountered from Buderich and Darmand.

CASUALTIES

All our aircraft returned undamagec.

HEN/JT. BC/S. 26342/6/ORS4, 4th. December, 1943.

| | Ħ | | | #0 | | | -ibie-to- | | | CENTATED: CERR. 194 | e.trildi E. | 114 | | | | 73 | :: |
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MICHT BAIR REPORT NO. 45

COPY NO. 10

7 JAN 1944

BOMBER COMMAND REPORT ON NIGHT DEPRATIONS

22/25rd OCTOBER, 1943

Minelaying: Leaflets

Dortmund:

SUMMARY

1. Kassel The effective attack delivered against Kassel on 3/4th October was followed by another which devastated the entire city. 569 heavies were despatched, but severe conditions on route prevented more than 444 from reaching the target. The blind-markers overshot the aiming-point, but the visual markers concentrated their T.I. most accurately, and were admirably supported by the backers-up. Little cloud was about, and the main force bended connectly within fithe built-up area. Reconnaissance photographs revealed extraordinary destruction. Fighter opposition was strong, and 42 bombers were lost (7.45). 6 enemy aircraft were shot down.

Knapsack:

- 2. Frankfurt 36 Mosquitoes and Lancasters carried out a diversionary raid on Frankfurt. The attack was poorly concentrated, but undoubtedly ruszled the fighter controllers as to the identity of the main target until the attack on Kassel was more than half completed. One aircraft was lost.
- 3. Knapsack 12 Mosquitos fitted with No. I OBOE were detailed on a procision attack against the power station of Knapsack. I bombod according to plan, and 4 more on D.R. One aircraft was lost.
- 4. Dortmund One G-H Mosquite was sent to Dortmund, but combed to D.R. because its equipment failed. It returned undamaged.
- 5. <u>Minolaying</u> 15 aircraft, out of a force of 17, 1:id 56 minos off the Frisians and the Dutch coast. No incidents were reported.
- 6. Leaflets 2 aircraft dispersed leaflets over Molum and Fontair bleau; 8 others were recalled because of severe icing conditions. No casualties were sustained.

WEATHER FORECAST

7. Midnight frontal positions:- (1) 60 N. 19 E. to Stettin. to Numberg to $47\frac{1}{2}$ N 05 E. to tip of wave at $47\frac{1}{2}$ N 000 to Gironde.

Bases: A trough is likely to cross the British Isles in sympathy with the wave over France. At dusk, cloud amount will generally be less than 5/10ths. with isolated showers. By 2100, rain will have become general, in East anglia, waverage cloud base 1,000'. 8 Group similar; Lines. slightly better, but 1 and 5 Groups will have to divert at least half their aircraft. 4 and 6 Groups will have only slight rain and cloud based above 1,500', but in the latter Group, visibility will locally be poor. 4 Group should have 4 airfields fit besides those required for their own effort. Diversion areas: Cornwall, Valley, Silleth, Prestwick and further N. in Scotland, extreme N.E. England and perhaps Scaland, with alight rain and cloud base about 1,500'.

Germany:- Much medium cloud to great heights in frontal zone. Little of cloud elsewhere, including Ruhr, Kassel, Hannover, Bromen and Rostock. Kassel and route: varying amounts of medium and strato-cumulus probably in thin layers, average 5/10 hs., locall 10/10 ths. Good chance of small amounts over target. Well broken convection cloud, tops below 15,000', over S. North Sea.

Pranco: - Convection cloud, tops above 20,000' in N.W. Cloud to great hoights in vicinity of wave. Much broken medium cloud to S.E.

Frisians: - Similar to bases: lowest cloud base 1,500 - 2,000', possibly some showers.

KASSEL

PLAN OF ATTACK

- 8. Route East Coast-52°15'N. 03°00'E 51°49'N. 03°51'E 50°30'N. 06°10's 50°33'N. 07°15'E KASSEL 52°36'N. 08°29'E 53°13'N. 04°52'E N. end of Texel East Coast.
- 9. Route-marking 9 blind-markers and 13 backers-up were to drop yellow T.I. at 16 miles/1530/Bremen on the way out, and at 37 miles/2050/Bremen on the roturn route.
- Target-marking Hind-markers were to mark the aiming-point with yellow T.I. and were each to drop a string of flares as follows: 1st bundle 50 secs. befor T.I., 2nd and 3rd bundles after 6 seconds, 4th bundle with T.I., 5th and 6th at 6-second intervals thereafter. Visual markers were to mark the exact aiming-point with rods, using flares if necessary; if unable to identify with cortainty, they were to retain their rods and aim greens at the control of yellows with 1-second overshoot. Brakers-up were to maintain this marking with greens aimed at, in order of perference: rods, centre of yellows and centre of greens, with 1-second overshoot in although the 2 last-maned eventualities. Supporters dropping bombs only were to illustry visually if possible, otherwise aiming at rods or the centre of yellows. Main cores aircraft were to aim at rods or the centre of greens. All qualified Y-closes were to be bombed on a heading of OAOCM.
- 11. Timing Zoro hour: 2055 hours Duration of attack: 2049-2111 hours

(a) Groundmarking

```
Blind-markers
11 Hel. + 3 Lanc. at zero - 6
Visual-markers
2 Hel. + 8 Lanc. at zero - 4
Backers-up
1 Hel. + 3 Lanc. at zero - 2
4 Lanc. at zero - 1
17 Lanc. from zero to zero + 16 (1 per minute)
```

112 Hal. + 9 Lanc. from zero to zero + 4 113 Hal. + 8 Lanc. from zero + 4 to zero + 8 119 Lanc. from zero + 8 to zero + 12 119 Lanc. from zero + 12 to zero + 16.

(b) Emergency sky-marking

```
13 Hal. from zero - 1 to zero + 3
7 Lanc. from zero + 3 to zero + 7
7 Lanc. from zero + 7 to zero + 11
7 Lenc. from zero + 11 to zero + 15.
```

12. Marker-loads

Blind-markers 11 Hal. + 8 Lanc. 6 x 4 white flares + 2 yellow T.I. (1 LB)
5 Lang. 6 x 4 white flares + 4 yellow T.I. (3 LB)

Visual-markers 2 Hel. + 8 Leno. 6 x 4 white flares + 10 red T.I.(5 LB) + 1 green T.I.

Backers-up 2 Hal. + 10 Lano. 4 green T.I. (2 LB)

hinutes from 52.09'N. 03'10'N to 51'11'N. 09'06'E; one bundle every 2 that point to the target and back to 51'01'N. 09'18'E; one bundle every 2 minutes from that point to 53'19'N. 09'06'E.

..../15 blind-markers

15 blind-markers (red T.I. + white flares), 8 Mosquitos (green T.I. + white drip flare) and 13 supporters were to carry out a diversionary attack on Frankfurt at zero - 25.

SORTES

| 14. | (n) | No. | of # | aircraft | despatched |
|-----|--------|-----|---------|----------|-------------------------------|
| | (%) | Ħ | * | | " " alternative area 12 (2.1) |
| 134 | (a) | ** | = | abortive | sortios (technical defect or |
| | 87 (2) | | | | manipulative error39) |
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| | | | | | (crow failure 9) 71 (12.5 |
| | | | | | (late 2) |
| | | | | 7.4 | (cause unknown (s/c crashed) |
| | 1.1 | | | | on return) 1) |
| | 101 | | - | alrerai | t missing |

WEATHER EXPERIENCED

15. Bases: Fit for take-off, with cloud base 2-3,000'. By 1900, an area of rain, with patches of cloud below 1,000', affected 91 and 92 Groups. For rain became more intense and spread rapidly N. and E., covering the country S. of a line Mursey-Number by 2200. By midnight it had penetrated well into York him, and there was much cloud below 1,000' in Lines. Elsewhere cloud base remained at 2-3,000', and visibility held above 2,000 yards. After midnight, cloud base fell held: 1,000' in most areas.

Routo: Medium cloud to 18,000', occasionally to 20-23,000', with much static and moderate to heavy rime in cloud tops. Layers of cirrus above. Beyond 08°E., cloud broke rapidly to nil. On return, cloud tops towered in places to 25,000', and cloud was almost solid for descent over North Sec, with frequent hail. Some crows reported heavy clear ice in cloud tops.

Kassol:- Very small amounts of cirrus and low cloud. Haderat: visibility. No moon. Wind at 20,000': 230 /50 m.p.h. Surface wind: S.E./10-15 m.p.h.

NIGHT PHOTOGRAPHIC STATISTICS

| 16. | lio. | of | photographs | showing | ground detail | l(plotted within 3 miles " outside 3 miles (umpletted | 104) 18) - 12 4) |
|-----|------|----|-------------|---------|---------------|---|------------------------|
| | | r. | 8, | • | fire-tracks | (plotted within 3 miles outside 5 miles (unplotted | 241) 4)2 33) |
| | e . | | | | | d within 3 miles of the | 3 |

No. of aircraft reporting attack

NARRATIVE OF ATTACK

17. The blind-markers overshot and laid most of their flares 12-5 miles beyond the aiming-point. But at least 2 sticks of flares were burning over the aiming-point at zero - 5, and these sufficed to enable all the visual markers to pinpoint with certainty. The visual marking was exceptionally accurate and, by zero - 2, 80 red T.I. were burning in a compact group centred 2 mile S.E. of the aiming-point. These burned till about zero + 4, by which time one-third of the main force had attacked; their offert developed to the W. of the T.I. and was centred well over the built-up area. After zero + 4 the primary marking was well maintained by the backers-up, although only 139 of the main force claimed to have aimed at greens. Heat of the rest reported reds in their backsights, and the fact that

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many of these are plotted in open country away from the main fire area suggests that they are deceived by decays. This caused some scatter to the S.W. in the latter half of the raid, although the bulk of the attack remined within the 3 mile limit. The incondiary carpet, which at zero + 4 had covered 5 scarre miles expanded to the S.W. and, by zero + 16, covered 12 square miles, including most; the built-up area of Kassel.

DAY REXONNAISSANCE

- 18. 7 days after the attack fires were still burning in Kassel and a sock haze by over the smouldering ruins of the town. The central city area present; a scene of utter devastation, and damage extended to the industrial districts on both sides of the river Fulda, as well as to the suburbs. In the eldest part of the town, the main business and shepping centre between the river and the Kenigs Plats, no building was left intact and few remained standing. In the adjacent districts of Altstadt, Ober Neustadt, where there are many public and administrate buildings, and Unter Neustadt, which is highly correctedised, 96s of all property was destroyed. Flanking this area and extending westwards incodiately south of the main station are residential districts laid out in a more codern and less congested pattern; and here the destruction of property amounted to over 48.
- 19. Kassel is well known for its locometive works, and the 3 factories of Henschel unit Schn are the leading producers in Germany, beside manufacturing tenks, A.F.V's and lerries on a large scale. All 3 factories were damaged. The main works in the turn, a target of the highest priority, had most of its scaller buildings destroyed and its larger workshops damaged, and important workshops of the other 2 were scripusly affected. The 3 aircraft works of Pieseler Flugzeugher G.m.b.H. escaped damage, but 48 other factories were hit, including Sclemann & Co., elethiers to the Mchracht, 3 thermometer concerns and at least 5 businesses engaged in the manufacture of precision instruments and special machine tools.
- 20. The importance of Kassel as a railway centre depends largely on its great railway shops and marshalling yards. The large tranship sheds of the latter were completely burnt out, rolling stock was scattered and still macking, sorious roof damage was caused to the roof of the main wagen shops and end bay of the lace repair sheps was partly destroyed. The buildings of the main station, a suburban station and sheds in two neighbouring goods depots were gutted and wagens and passenger coaches destroyed in the sidings. Besides the Honschel works, the firms of Wegmann & Go., and Gelbrouder Grode & Co., both concerned with the production of rolling stock, were damaged, the former being almost completely demolished.
- 21. Apart from a small electricity works W. of the town and a possible office building of the gesworks, the main gas and electricity services were not affected; but the public buildings suffered severely, including many government offices, police and fire stations and post offices. The Alt Stadt Hasome, a group of buildings round a large central countyard W. of the town, was completely destroyed and buildings of anyther barracks to the S.W. were gutted. Damage was also caused to sheds of a large military stores at Nieder kaufungen, 4 miles S.E. of Kassel. Nearly 70 labour camps in various parts of the town were burnt out, mostly near the Henschel Works III, where 39 out of a group of 45 workers' buts were destroyed by fire.

ALTERNATIVE TARGETS

22. 12 aircraft attacked alternative targets in the areas of: Aubel, St. Trail Schouwen (3), Warburg, Ocsterhout, Asch, Altenhirchen, Troyse, Dordrecht and the Rus 2 odb r .ircraft which succeeded in reaching the target dropped bombs on Overflakket.

SPECUL LOUGHERT

27. H2S 112 T-aircraft were despatched. These included 24 blind-markers; 22 reported attack, but only 9 salvees of T.I. and 11 sticks of flares were dropped. The other aircraft retained their markers either because the siming-point was not clearly indicated on the sets, or because they could not check the A.P.I. reading. The timing was good and, despite a tendency to overshoot to the N.N.Z., they illuminated the airing-point adequately for the visual markers. Altogether,

80 Y-aircraft reached Kessel with their sets in order; 8 were lost.

24. EEE The Bastern Chain operated on the Wyoning, and the Scutturn trate on two Car line frequency throughout. The Zanesville and Maryland frequencies were also used by the Bastern Chain from 1925 to 2125 hours. The usual types of juming were reperfed. The best results on the cutward route were obtained on the Lan wille tracerry, the maximum range being 350 miles. On the return, on a more northerly r ute, the Wyoning frequency was the best, giving a maximum range of 310 miles. The signals on the Maryland frequency were weak, but a few good fixes were obtained an the staward route, the most distant being 300 miles away. The Carolina freedency was not used.

ENEMY DEFENCES

- Flek and Searchlights Slight to moderate heavy flek was encountered over the target, nostly in barrage form up to 20,000', with moderate to intense light flak bursting at 15,000'. 60-70 searchlights were active, coming targets for predicted fire; but later in the attack, illuminated aircraft were not engaged. Many fighter flares were seen. The intensity of the defences decreased towards the close of the raid. Little opposition was reported on route, except it Texel, where noderate heavy flek co-operated with searchlights, and flak-ships were lise active.
- Fighters The greater part of the enemy's fighter effort we concentrated over the target and for 100 miles along the return routs. 76 intercriticus were reported, as tany as 33 of these being attacks. The running commentary directed aircraft from Schleswig, Lennark and N. Germany scuthwards to 2. of the Ruhr, while other fighters from Holland and Belgium came round 7. of the Ruhr to the Benn area, and thence on to Frankfurt. Aircraft flying southwards from Browen were in the Kassel area when the attack on that city began, but the main fighter force was not directed there until zero hour, 14 minutes after the first books had fallen.

 Nearly all the fighters engaged in combat were twin-engined, although a considerable number of single-engined aircraft were also observed. 13 returning aircraft reported fighter damage; 8 fighters were claimed as destroyed. Lancasters claimed 7 victims; a Do. 217, 2 FW 190's, 2 Ju.88's, an No. 109 and an unidentified twin-ongited circraft. A Halifax claimed enother Ju.88.

CAST LIES

At locat 5 losses occurred on the way out, 3 to flak at antwerp, Bonn and Kassel, and 2 to fighters S.W. of Bonn and S. of Kassel. Many bombers were seen to go down in the warget area without evidence of the cause; the concentrated nature of the raid must have provided favourable conditions for fighters, and those were probably nainly responsible, especially as the flak was not very intense. 5 bombers are believed to have been lost to the guns of Kassel, and about 30 to fighters over the target and the first part of the return route.

28. 4 aircraft were destroyed through non-enemy action. A Halifax was wrecked while taking off by the explosion of its boubs, probably caused by a bursting tyre, and another Halifax crashed on early return, with the less of all its crew. It A kneaster hit high ground while breaking cloud at 400', and another ditched because a first rhartage. Only one member of these two crews was killed.

FRANKFURT

6 Transless and 28 Lancasters, including 14 blind-markers, were with the lighten y attack against Frankfurt. 31 randed the target, where allies, reach succeeds in dropping flares and T.I. Visionilly was good, with 19 100 L. Lur a pair a mountration was obtained; only 12 aircraft are estimated to aw backed within 3 miles of the airding-roint. (No reconnectance was undertaken.

.

No aircraft was intercepted, although 2 Ju.88's were seen in the target area; this attack undoubtedly puzzled the fighter controllers, who did not decide to Kassel was the chief target until the main effort was more than half completed 4 aircraft returned early and one was lost; it was seen to be shot down by figure frankfurt. One more aircraft was hit by flak; no other casualties were sustained.

KNAPSACK

30. 12 Mosquitees, equipped with Mk.I OBOE, were detailed on a precising attack against the power-station at Knapsack. 4 attacked according to plan, 4 more bouled on D.R. after OBOE failures. Of the other 4 aircraft, one attabend on D.R., one jettisened when coned after its equipment had failed, one returned early with engine trouble and one was lost without trace.

DORTMUND

31. One G-H Mosquito was sent to Dortmund. The precision device fails and the aircraft bombed on D.R. It returned undamaged.

MINEL Y ING

7 Wellingtons laid 14 mines off the Dutch coast. 9 Stirlings and 1 Lancaster were detailed to the Frisians, and 8 reached their target, laying mines. The other 2 aircraft returned early with GEE failure. 2 interception by fighters were reported, but no combat resulted; and no losses or casualties were sustained.

LE FLETS

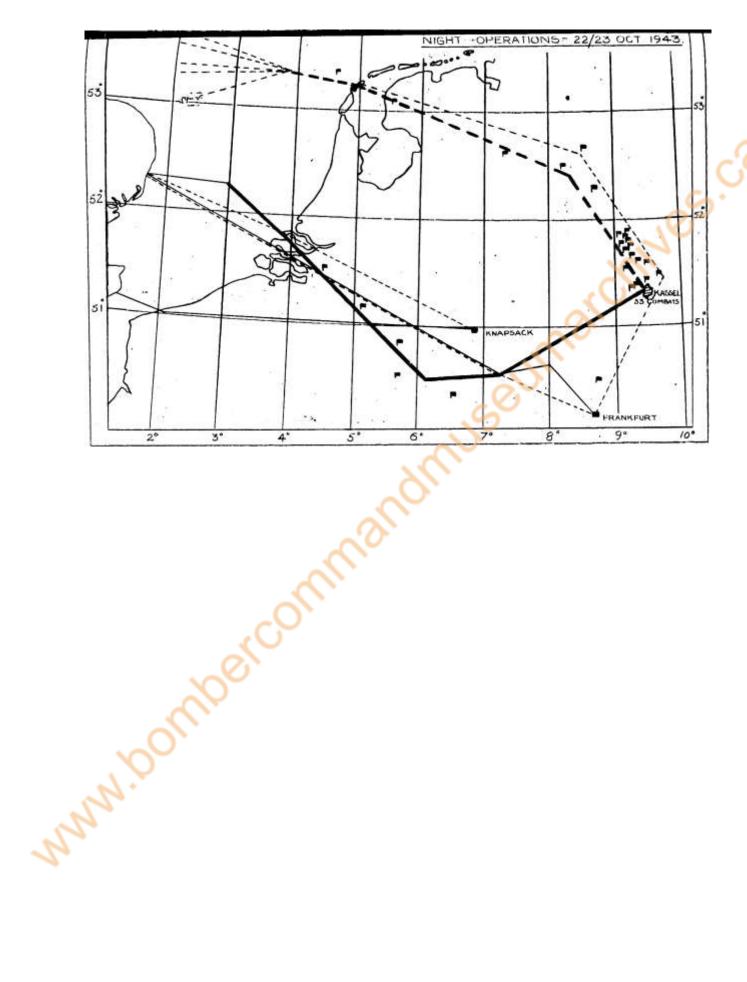
33. 10 Whitleys and Wellingtons were detailed to disseminate leaflets of various towns in Northern France. Severe weather was encountered on route, at 10 aircraft were recalled. The other 2 completed their mission. No incident were reported.

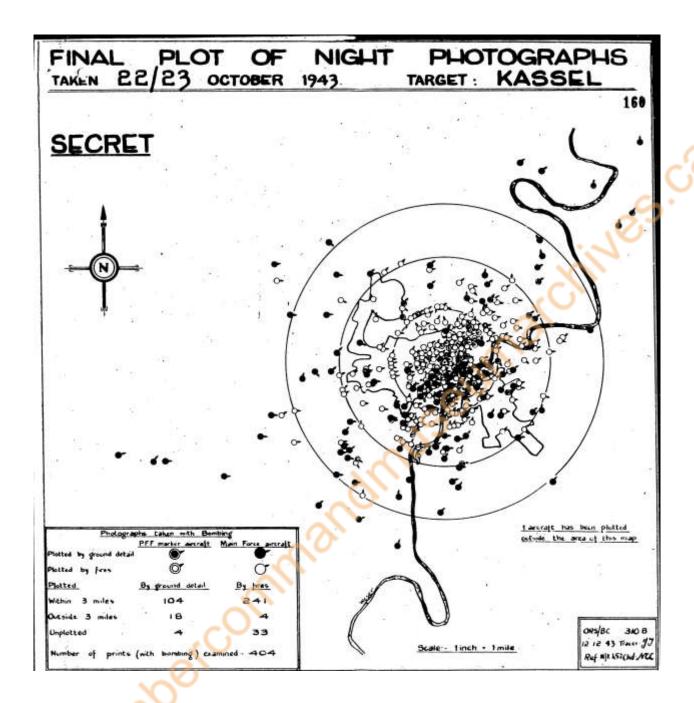
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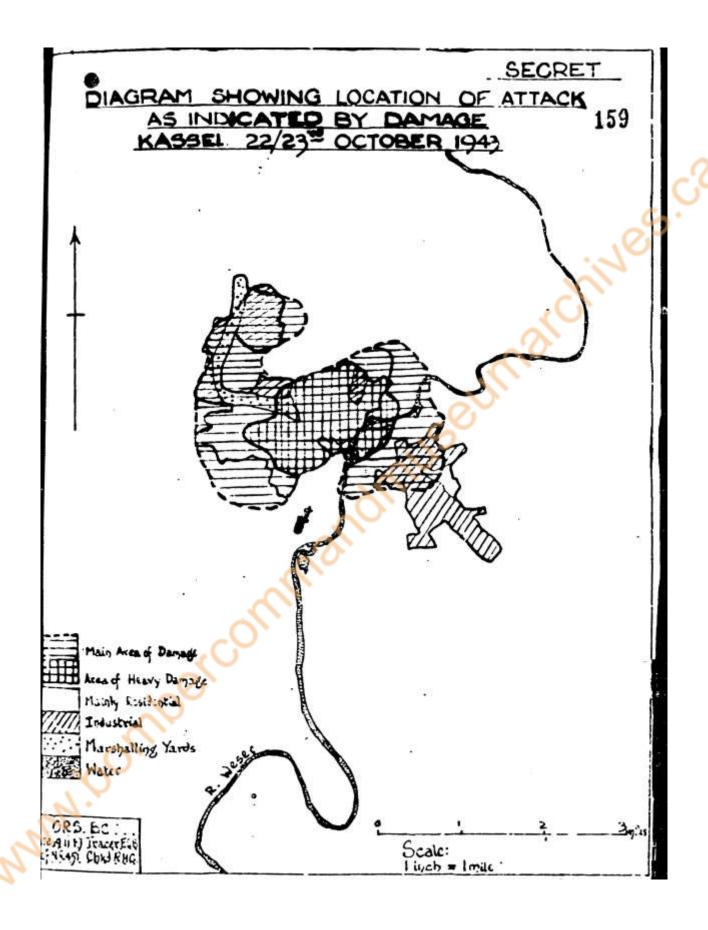
| JOST | GROUP | AIRCRAPI TYPE | SORTLES | ATTAC | EMPORTING EX ON ALT. AREA. | SORE | TES | | Flack | PIGNTER | | OTHER CAUSES | ATTACK- ED | NOT ATTACK RO- | | Possui./ | f Bom |
|-------|----------|------------------|---------|-------|-------------------------------------|------|-----|-----|-------|---------|----------------|-----------------|---------------|----------------------|----|------------------|-------|
| Line | 8 | HAL-II | | | - | - | 7 | - | - | - | - | - | | - | | H.E. | INC. |
| | P. P. P. | Hala Ia | 14 | 15 | 1 | - | - | - | 1 | - | 1 AC | - | | | _ | 770-7 | 907-1 |
| | | LaNC. III | 44 | 42 | *** | - | 2 | | 2 | - | - | - | 2 | 1 | _ | 15.2 | 25. |
| | 8 | Hale In. | 7 | 5 | - | - | 1 | 1 - | - | - | - | - | | - | K | 35-1 | 90. |
| | M.F. | L.MO. III | 12 | 9 | - | + | 3 | | - | | 44 | - | - | - | | | |
| | | LANC, L. | 16 | 17. | - | - | 1 | 1 | - | 1B | 12 + 1.0 | - | 4 | | | | 70 L |
| | 1 a 1 | LANC. III | 69 | 76 | | 3 | - 4 | 6 | 1 | 1,,0+2 | 2.C+ 1 | 1E | | - | | Heavy | |
| | 3 | LaNC. II | 6 | - 5 | 1. | | | - | - | - | 14 | - | - | 1 | | 8000 | 400 |
| 100 | | Hal-II & V | 49 | 31 | 2 | .1 | . 8 | 7 | .2 | | | - | 1 | 1 | | 3 | 25 |
| | 1 4 | Hal- In- | 91 | 68 - | 2 | 4 | 11 | 6 | 3 | 1/.0 | | 1E | . > | h. | 4 | - 1 | 4.5 |
| | | LaNC. I. | 22 - | 19 | 1 | - | 1 | 1 | - | - | - | 1B | 4 | 1 | М | H- | 1 |
| 1. ++ | 5 | LaNC. III | 111 | 92 | 1+20. | 1. | 9 | 8 | 1 | 3.C+2. | - | 12 | 6 | 18_ | T, | | 14 |
| | - | Hala II & V | 59 | 35 | 4 | 1 | 10 | 9 | 1 | 1B+1 | - | - 1E | 3 | - 3 | | 1 | |
| | 6 - | HAL Ia | 26 | 18 | 72 | - | 6 | 2 | 1 0 | 1,40 | - | - | 4 | 1 | | 100 | 1 |
| | l d | L.MC. II | 22 | 16 | - | n - | 5 | 1 | 1 | - | | - | 1 | | | | |
| | Kassel | TOTAL | 569 | 444 | 12+2 ⁶ | - 10 | 61 | 42 | 13 | # 5 | 13+4 AC + 3 | 4E+1B | 33 | 37 | | 319.63 319.63 | |

| also | at tacked | Primary. |
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| BOICE | DIG TOTAL | 1.11 | 618 | 484 | 15+2° | 10 | 65 | 44 | 13 | 2B+7±C +5 | 18+44C +3 | 48+18+ 1 40 | 33 | 37 | | |
| MINELLYING S. TEXEL | 6 | METT X | 7 | 7 | 12 | - | - | | - | - | - | - | - | 1 | 14 mines | e. |
| | V - 95 1 | STIR, III. | 9 | 8 | - | - | 1 | - | - | - | - | - | 45- | 1 | 42 mines | |
| PRISLANS | 3 | LANC. II. | 1 | - | - | - | 1 | - | - | - | - | - | 14. | - | - | _ |
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| Z.FLETS | 37.77 | WELL IC. | 3 | - | - | - | 3* | - | | - | - | - | - | | These o | 10 |
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| | | WHITLEY V. | 2 | - | - | - | 5x | - | - | - | - | - | - | - | - | |
| LEAMET | TOTAL | | 10 | 2 | - | - | 8× | - | - | - | - | - | - | - | | |
| | OC | OTAL | 645 | 50t | 15+20 | 10 | 75 | 44 | 13 | 28+740 | 1B+WC | AR-19 | 33 | 39 | | |







BONBER CONCLUD REPORT ON WIGHT OPER TIONS

24/25th. OCTOBER, 1943.

Rheinhausen, etc : Enden: !finelaying: Leaflets:

DILRY .

. Rheinhausen 3 Mosquitoes equipped with Mk.II OBOE were despatched gainst the steel-works at Rheinhausen but, owing to a misunderstanding, none ere taken over by the ground stations. 2 bombed on D.R., and the third was ecalled.

Buderich One Mosquito successfully attacked this target on Mk. II OBOE.

Enden 4 Mk. I CBCE Mosquitoes and 2 repeater aircraft took part in an peration against the port of Enden, which is outside normal OBCE range. The speaters flew on the leg between Cleadon and Enden; but owing to a bean wind of 30 m.p.h. their drift angle was greater than the tolerance allowed by the polar ingram of the aerials, so that the beaters could not be controlled. I attacked oden and one Grimersum, all on D.R.

Dortmund One G-H Mesquito was detailed to attack a steel-works at brunni, but the equipment failed and the mirerait bombed on D.R.

Cologne: Dusseldorf. 4 Mosquitoes were despatched on a harassing raid minst Cologne, and 4 against Dusseldorf. All attacked according to plan, on

Hone of the Mosquitoes was lost; one sustained minor damage from flax or Cologne.

Minclaying 25 aircraft laid 92 mines off the Frisians and the Dutch cast; 5 others returned early. One crashed in flames with the loss of 4 of ts crew.

L.THUR FORECLIST

Hidnight frontal positions: (1) cold fron 55°N. 23°R - 50°N. 18°E. (2) in fron 50°N. 18°E - 50°N. 05°E. (3) cold fron 50°N. 05°E - 45°N. 06°E.

Bases: - Local fog after 2300, soon becoming widespread. Host bases hould just hold until then, with visibility only locally less than 1,500 yards.

Germany:- Thick medium cloud in frontal zene, with tops to 20,000', coally to 25,000'. Medium cloud spreading F. will reach a line Bromen - S. of trlin by midnight. N. of this line, there will be very well broken residual invection cloud, with good visibility. S.E. of the front: broken medium cloud, spersing to small amounts in Munich area. Ruhr: 10/10ths. thick medium cloud 18,000'. Enden: broken low cloud at 1,500', with redium cloud above.

Frisians, Kattegat:- as Exlen, with no medium cloud.

| SORTIS | ~ | 1 | 5.4400 EXT - 10-10 EX | COLDING. | Minel yir |
|--------|-----|-----|--------------------------------|------------|------------|
| 8. | (a) | No. | of aircraft despatched | 19 | 30 |
| | (b) | " | " . " reaching primary area | | |
| | (0) | ** | " reaching alternative area | 1 | 0 |
| | (a) | ** | " abortive sorties (recalled1) | 1 (teah-de | efect.5).5 |
| | (e) | " | " aircraft missing | | |
| | (f) | " | " mines laid | | 92 |

WE THER EXPERIFICED

 All German targets:- 10/10ths. cloud to 25-35,000'. Visibility modera; to good.

Dutch coast and Frisians: - Small patches of cloud. Slight haze. Moderat

No moon during operations.

ENERTY DEFENCES

10. Enemy fighters were mildly active. A Stirling reported a combat with a Me. 110 N. of Ameland. Slight to noderate predicted heavy flak was encountered from most of the target areas, from defended places on route to the Ruhr and from ships lying off the Frisians. One Mosquito was slightly demaged over Cologne.

C.SUALTIES .

11. ...ll aircraft returned safely except one Stirling, which crashed in flame with the loss of 4 of its crew. The cause of the accident is unknown.

APPENDIX

12. 4 Fortresses of U.S.B.C., operating under the control of 3 Group, disper leaflets over Chen, Paris and Rouen without loss.

MLN/JT. BC/S. 26342/6/ORS4, 29th. December, 1943. 20/25th. 00005R, 1903.

| T.ALIT GACUP TYPE SOUTH AND ACTUS MASS TABLE T | | | | | | | 25/3 | 25th. 0 | CHCHE | 127.2 | | | | | | |
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BOUBLE CONTLID REPORT ON PIGHT OPERATIONS

25/26th. OCTOBER, 1943.

Minelaying

TLEY ____

. 22 Stirlings laid 56 mines in the Kattegat and off malberg. One other rtie was abortive. All aircraft returned undamaged.

E.THER POREC.ST

. Hidnight frontal positions:- (1) warm from 541. 201. to Berlin to Hanover 5511. 06E. (2) cold from 511. 06E. to 50N. 0622. to Dijon to P.W. Spain.

Pases: - General fog by 2200 hours. P. of 6 Group should held 2,000 ands for most of night, but will be covered with an upper layer of haze. Eversions to N.E. England and E. Scotland.

Germany:- Cloud to great heights, solid on frost, layered further N. Red clearances S.E. of a line Mannheim-Berlin: patchy rediun and strate-smulus cloud, with persistent local fog.

Pronoc:- Variable amounts of layer cloud W. of cele front, with local shavers.

Kattegat:- No low cloud, broken action and high cloud above 15,000'. Moderate visibility. Good visibility on route, cloud tops 8-10,000', base 2,000'.

N. Denmark: - Variable emounts of layer cloud, base about 1,000'.

SORTIES

| (0) | lio. | 20 | aircraft despatched. | 23 |
|-----|------|-----|--|-----|
| 14/ | me. | O. | all of a c desparanted | - |
| (b) | | *** | " reporting mines laid in primary area | |
| (a) | | 77 | abortive sorties (weather) | . 1 |
| (d) | 18 | ** | eircraft missing | 0 |
| (c) | 11 | 11 | rines laid | 56 |

WALTER MOTERINGED

4. Fases: Nearly all unfit with mist and feg after 2100 hours, except for one or two stations in 8 Group, which hold until after micright. Kinloss diversion area fit throughout operational paried with good visibility and much medium and broken low cloud above 2,000'.

Kattegat: - Well broken layer cloud above 2,000'. Good visibility.

MENT DIFFERES

5. Some activity by controlled fighters was heard from I'. bermark, but none were sighted by our crows. No flak was encoutered.

CASUALTIRS

...ll our aircraft returned undamaged.

DC/S. 26341/6/ORS4, 3rd. Decumber, 1943.

25/26th, OCTOBER, 1943.

IS. SE 1335. TGTFR D: PLIGHT L/C HEPCKTIE DORTVE
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RKD: __TT_ OVER HOT
_RK. __TE_ E_T. OVER RESULTS C. THE GROUP SCHTITS TOT 2.000 TYPE T.J.T PIGHTR www.bombercommandmuseumandmuse 50 mines Stir.III 20 19 -+ . . 6 mines

BOUBER COMMEND REPORT OF NIGHT OF RATIO'S

27/28th. OCTOBER, 1943.

Leaflets

SUPELRY

1. 20 Wellingtons dispersed leaflets over allotted areas in Northern France. One other aircraft dropped its bundles over Le Mans instead of Tours, for technical reasons; one sertic was abortive for the same cause. 3 aircraft were damaged by flak, but all returned safely to base.

JE THER PORECLIST

2. Bases:- Warm front will affect Northern bases; midnight position, Ireland to N.E. Scotland. All Groups will be fit at deal, but feg will cover East anglia, 8 and 3 Groups by 2100. 1, 4, 5, and 6 Groups will have isolated stations fit until 2300. Diversions to E. Scotland, Creating and N. Cornwall.

Germany: - Nuch strate-cumulus, with good breaks over Euhr and Middle Chine, but fog in valleys. Very poor visibility in this area. Little cloud ever North Sea.

France:- Patches of strate-curulus. Local fog.

SORCIES

| (a) | lic. | of | aircraft despatched | 22 |
|-----|------|----|---------------------------------|----|
| (b) | n | 11 | " reaching primary area | 20 |
| (c) | " | 10 | " . " alternative area | |
| (b) | " | 11 | abortive sorties (tech. defect) | 1 |
| (c) | | | aircraft missing | |

E.THER IFPER NICED

N. France: - Little cloud. Thick haze. . No neen. Good visibility.

JEMY DEFENCES

. No controlled fighters were active. Plak was experienced from the usual efended points. 2 aircraft were hit over Paris and one near Rennes.

SU. JATES

"All our aircraft returned safely. . 3 were slightly Conneed by flak.

1/Jr. C/S. 26342/6/ORS4, rd. December, 1943.

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2077 TO. 16

BOUGHER CONSLICED REPORT OF FIGHT OPER MIN'S

31st. OCTOBER/1st. NOVEMBER, 1943.

Enden: Cologno: Dusseldorf: Churhnusen:

T. RY

Enden 4 Mr. I OBOE Mosquitoes were despitabled to Didon, accompanied by repeater aircraft. 3 bombed according to plan, but Mic fourth attacked on D.R. to the failure of its equipment. All returned sufely.

Cologne: Dusseldorf: 6 Mosquitoes were detailed to attack Cologne and seeldorf, using the GEND. R. technique. 5 completed their task; the sixth sest without trace.

Cherhausen 4 Mk.II OBOE Mosquitocs were sent to Oberhausen; 2 attacked rectly and 2 on D.R. .11 returned safely.

TER FORECAST

Michight frontal positions:- (1) cold from 60% 00% to 55% 02% to England (2) warm from 57% 01% to East inglia to Calais to 45% 02%.

Pases: - Low cloud at 1,000' or below, with showers and poor visibility. and in several layers on warm front. East inglia at dusk; much strate-plus at 1,500', patches at 1,000' or below with local breaks, visibility ,000 yards. 8 Group: small amounts of strate-cumulus at 1,000-1,500', '10ths, medium cloud in thin layers above 16,000'. Lisk of 10/10ths, stratus ',000' at most airfields for early return (from Ruhr) by 2100; but some tions may hold till midnight. Liversions to N.B. Scot' and W. of Peterhead.

Germany: - Patches of strate-cumulus with good electances; also medium ad in N.V. Ruhr and Enden: probably cloudless apart from cirrus and small that of medium cloud; poor visibility.

France:- Much cloud at 1,000° or below in N. I. Breken strate-cumulus tentre and S.

Frisians:- No low cloud. Visibility 1-2 miles.

Kattegat: - 7-10/10ths. strato-cumulus at 1,000-1,500'. Visibility 1 mile.

ES

| | (a) | No. | of | airc | reft despatched | |
|---|-----|-----|----|------|------------------|---|
| ٠ | (b) | | ** | | | |
| | (c) | .11 | ** | 311 | nissing 1 (6.33) |) |

* This figure includes 2 repeaters the accomplished their task.

ER EXPERIENCED

P.F.F. Bases: - 10/10ths.at 3,000' during operational period. Slight rain. Visibility 2-4,000 yards.

Ruhr:- No cloud. Hazy. Good visibility.

Enden: - No cloud. Thick injustrial haze. Good visibility.

No moon.

ETERY DEFENCES

7. Moderate but accurate heavy flak was encountered at all targets except Cologne, where opposition was slight and inaccurate. No activity by night fighters was everheard in connection with our operations.

C.SU LTIES

8. One Pasquite, detailed for Cologne, was missing without trace. All our other aircraft returned undamaged.

MLM/JT. FC/S. 26342/6/ORS4, Lth. December, 1943.

310 . 009/16t. NOV. 1963.

| | 1 | LINCROFT | | A/C RE | | | | 1000 | | DA. | GE | - | LiftEd | TPTICES | | |
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| LIRCHT | GROUP | TYPE | SORTES | PREL | ALT. | OVER | NOT | MGSS- | ALTK | PIGITER | MISC. | OTHER CAUSES | TT.CX- | NOT | TONS | OF BOISE |
| | | 1 | | .201. | "RE. | E. 7. | CVER C.T. | | | 1 | FLIGHT | Culloas | - | ED. | | H.E. |
| EDE: | 6 PPP | Mosq.IX Mosq.IV | 3 | 3 | - | - | | | - | 1 | 2 | 7 | : | 1 | P. | 2.7 |
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| PLYMOLL DIG | 8 MF | Hong. IV | 2 | 2 | | - | - | - | - | - | - | - | - | | | |
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| TOTAL | | 51. | 16 | 15 | - | | | 1 | - | | - | | - | | | |