

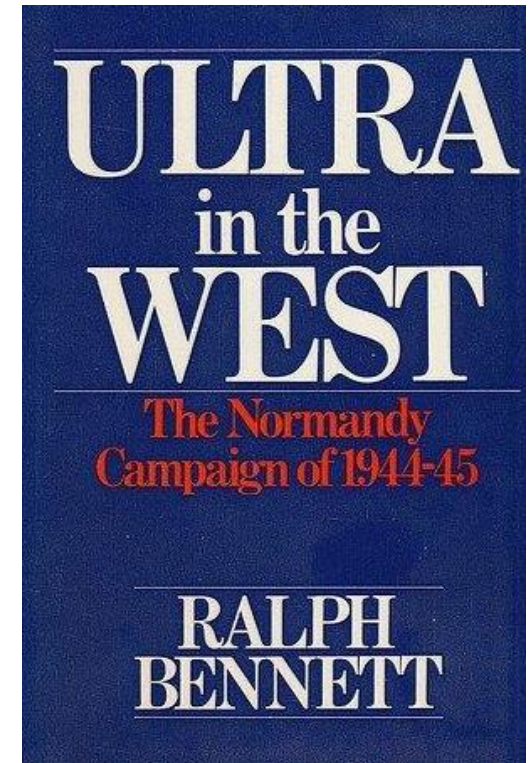
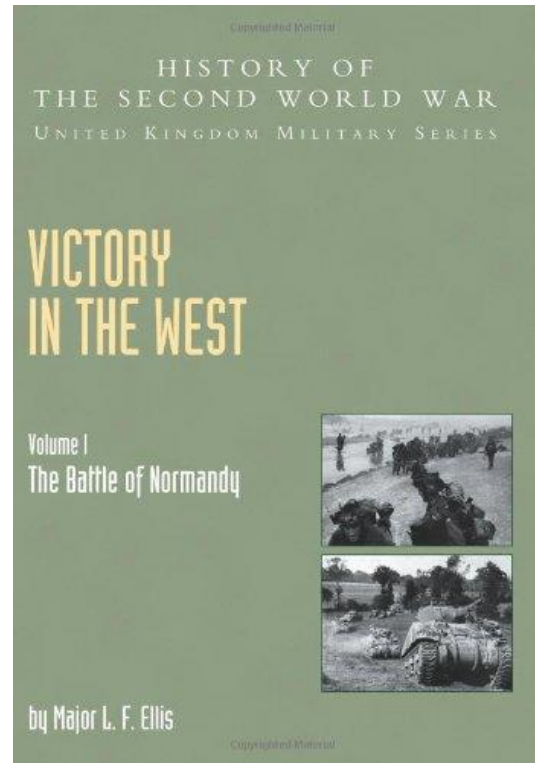
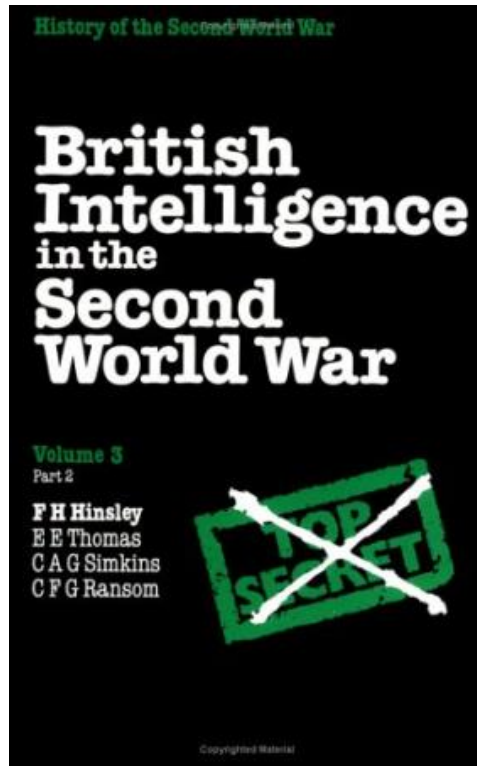
BLETCHLEY PARK

Home of the Codebreakers

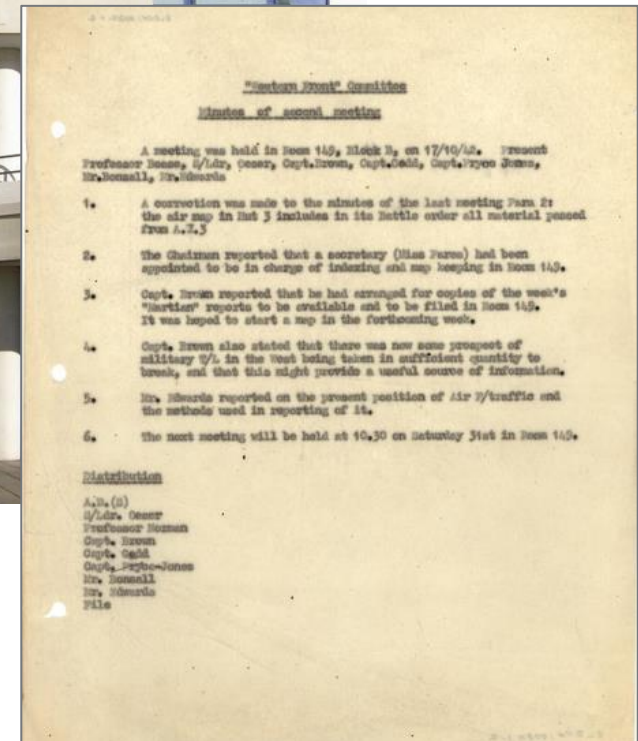
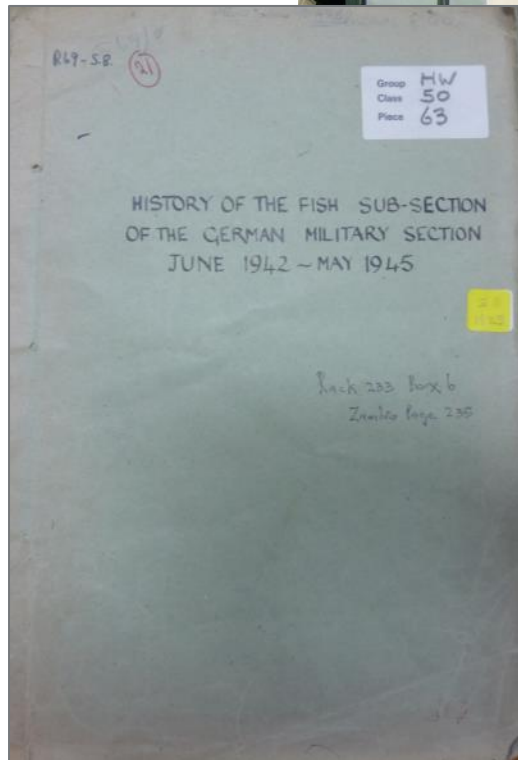
Bletchley Park and D-Day

Dr David Kenyon

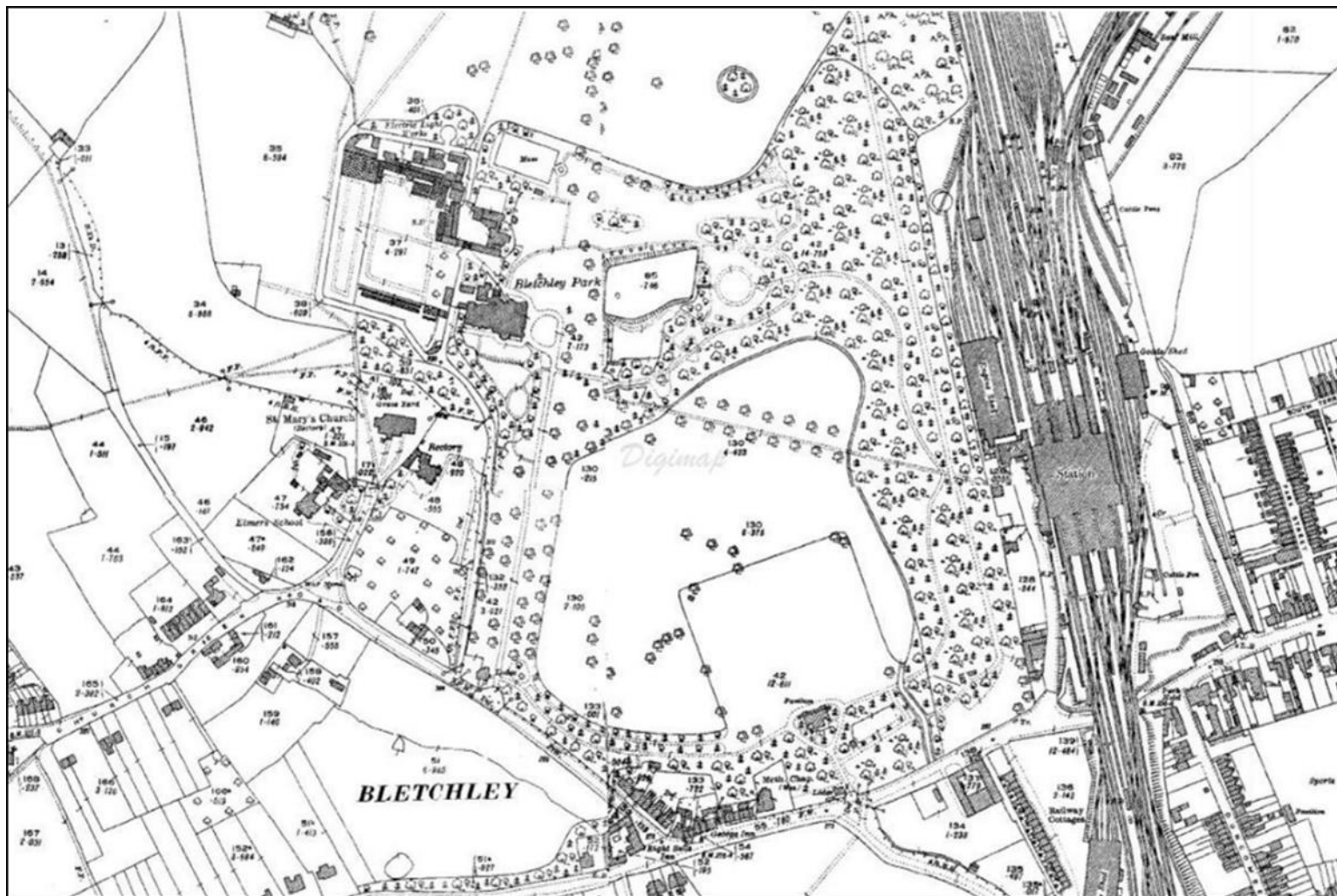
Previous Publications



Archival Sources



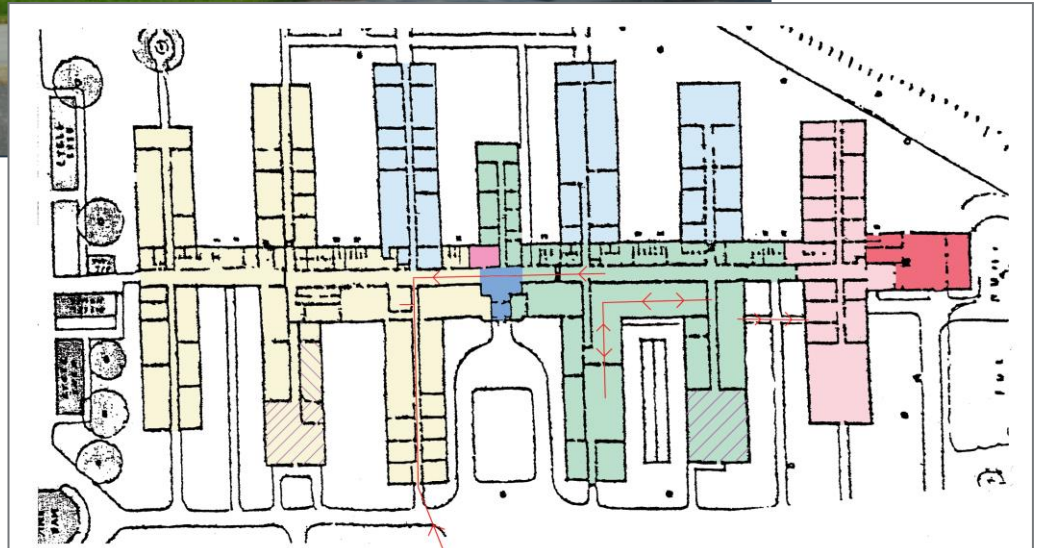
Bletchley Park in 1939



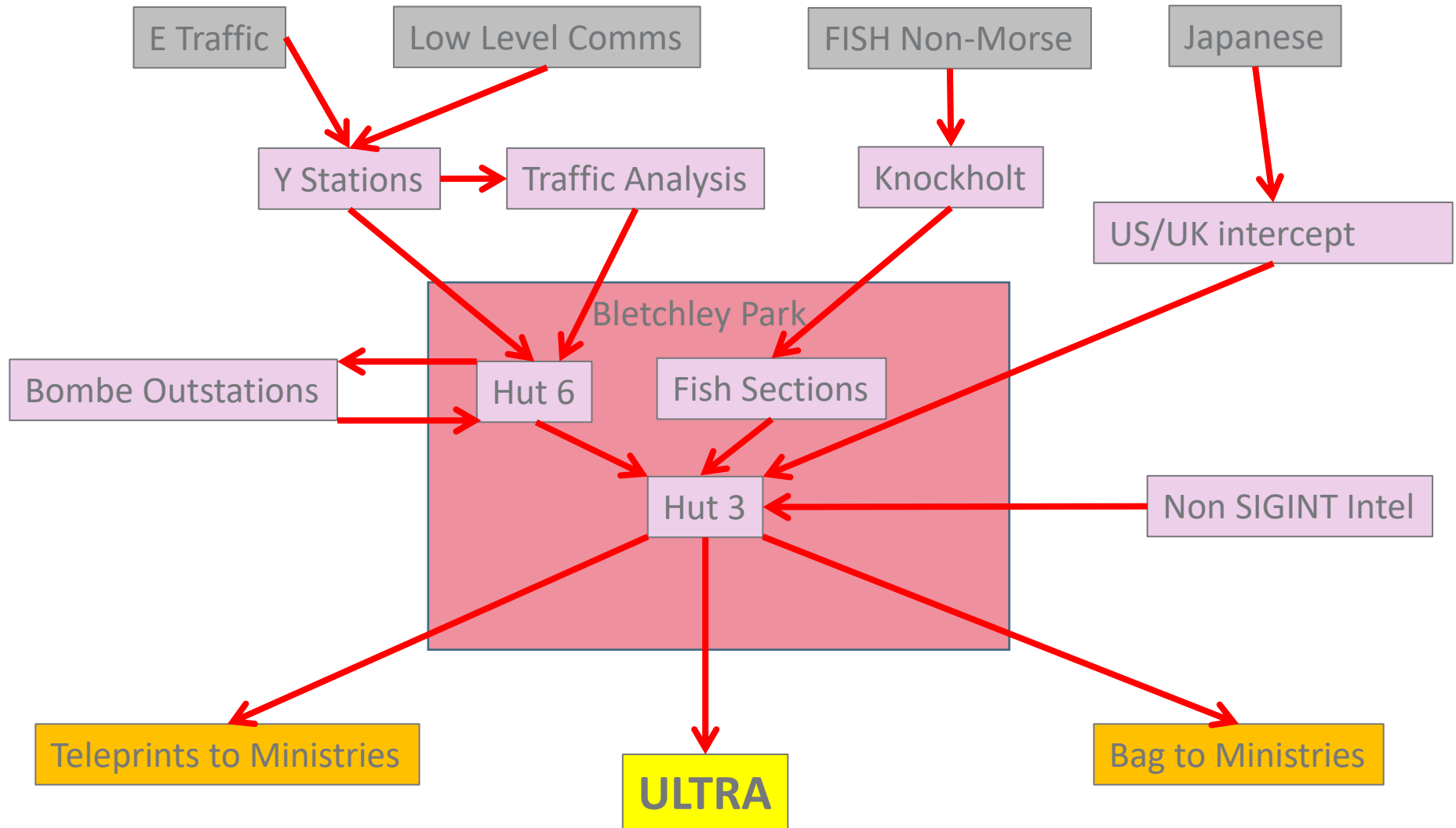
Bletchley Park in 1945



Hut 3



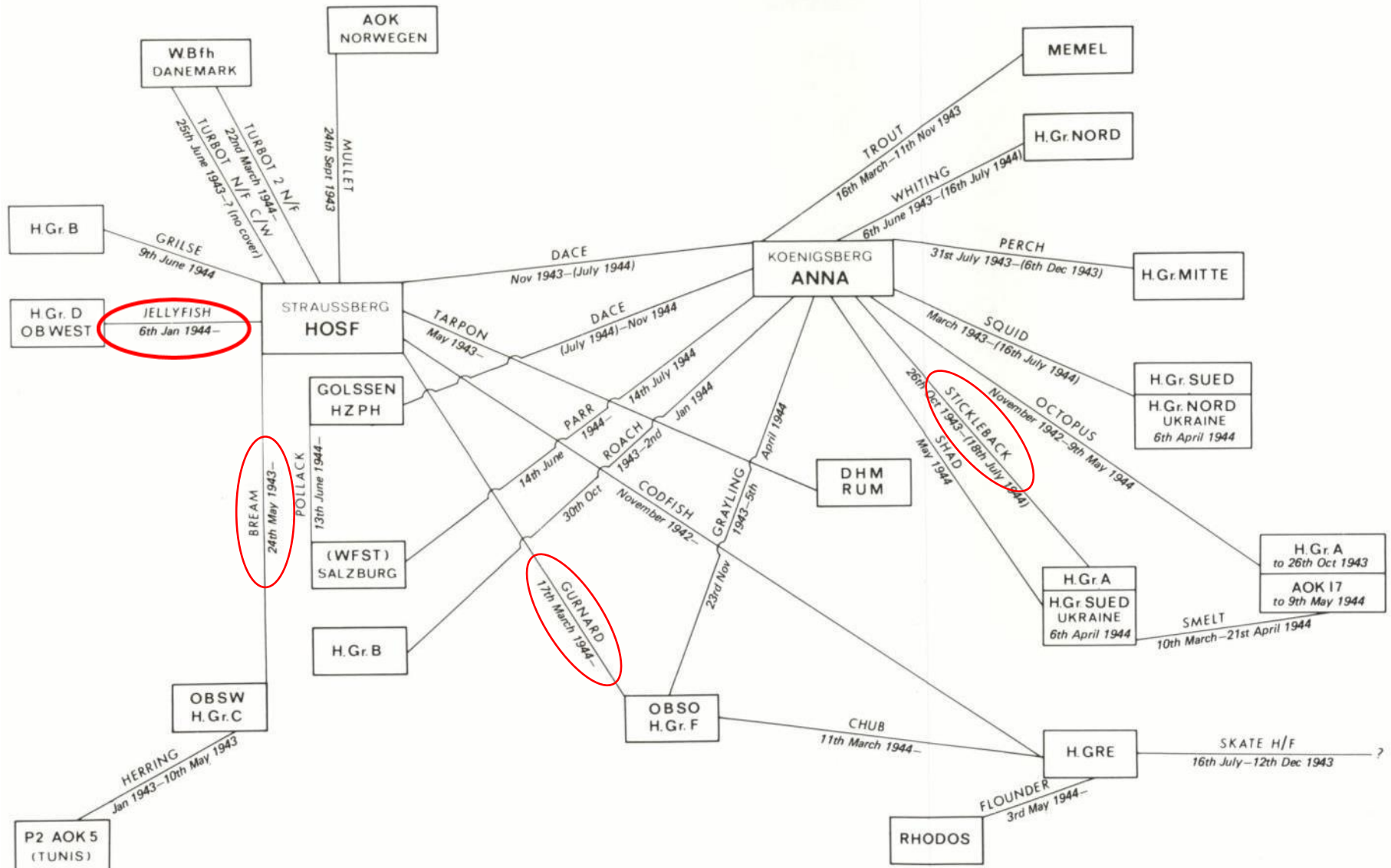
Air/Land-Battle SIGINT Flow through GC & CS 1944



Enigma and Lorenz



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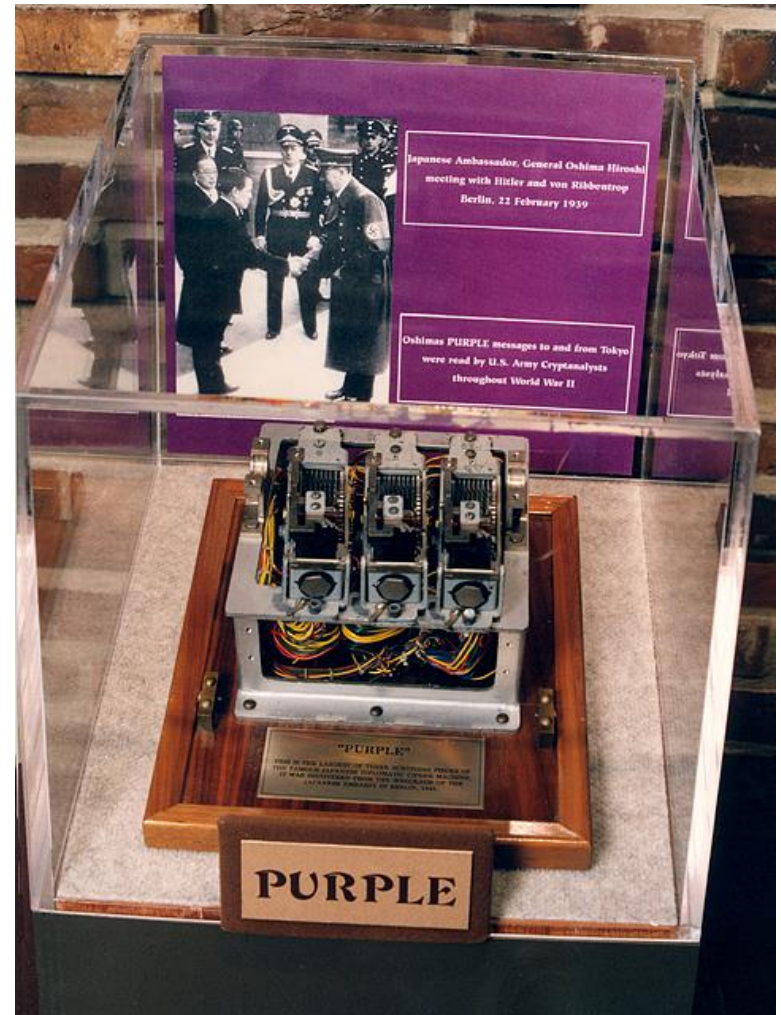
Minor Codes

L. GALE
8/6/44

000	100	200	300	400	500	600	700	800	900
000	100	200	300	400	500	600	700	800	900
1 ✓	1	1	1	1	1 ✓	1	1	1	1 ✓
2	2	2	2	2	2 ✓	2	2 ✓	2	2 ✓
3	3	3	3 ✓	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4 ✓	4
5 ✓	5 ✓	5	5	5	5	5	5	5	5
6	6	6	6 ✓	6	6	6 ✓	6	6	6
7	7	7	7	7	7	7	7	7	7
8	8	8	8	8 ✓	8 ✓	8	8 ✓	8	8
9	9	9	9	9	9	9	9	9	9
010	110	210	310	410	510	610	710	810	910
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2	2	2	2	2 ✓	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4
5	5	5	5	5 ✓	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6
7 ✓	7	7	7	7 ✓	7	7	7	7	7 ✓
8	8	8	8	8	8 ✓	8	8	8	8 ✓
9	9	9 ✓	9	9	9	9	9	9	9
020	120	220	320	420	520	620	720	820	920
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030	130	230	330	430	530	630	730	830	930
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3	3	3	3	3	3	3	3	3	3
4 ✓	4	4 ✓	4	4 ✓	4	4	4	4	4
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6 ✓	6 ✓	6	6	6 ✓	6	6	6	6	6
7	7	7 ✓	7	7	7	7	7	7	7
8	8	8	8	8	8 ✓	8	8	8	8
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040	140	240	340	440	540	640	740	840	940
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7	7	7	7	7	7	7	7	7	7
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060	160	260	360	460	560	660	760	860	960
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4	4	4	4	4	4	4	4	4	4
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9	9	9	9	9	9	9	9	9	9
070	170	270	370	470	570	670	770	870	970
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4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9
080	180	280	380	480	580	680	780	880	980
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4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6
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9	9	9	9	9	9	9	9	9	9
090	190	290	390	490	590	690	790	890	990
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9	9	9	9	9	9	9	9	9	9

Handwritten notes:
 - Under 420: Angewandte Mathematik
 - Under 430: Angewandte Mathematik
 - Under 440: Angewandte Mathematik
 - Under 450: Angewandte Mathematik
 - Under 460: Angewandte Mathematik
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 - Under 960: Angewandte Mathematik
 - Under 970: Angewandte Mathematik
 - Under 980: Angewandte Mathematik
 - Under 990: Angewandte Mathematik

Japanese Codes



Japanese Diplomatic Index

GERMANY: ARMY OUTSIDE RUSSIA

7

ZIP/6243	Strength of German Army.	Stockholm	Tokyo	10. 1. 44
ZIP/6309	Liason with the German Medical Unit.	Berlin	Tokyo	4. 5. 44.
ZIP/6349	German coastal defenses.	Berlin	Tokyo	4. 5. 44.
ZIP/6369	German preparations for Allied landing.	Madrid	Tokyo	28. 4. 44.
ZIP/6373	Reports on changes in the chain of command under Marshal GUNDEST.	Vichy	Tokyo	7. 5. 44.
ZIP/6382	German preparations for the Second front	Stockholm.	Tokyo	5. 5. 44.
ZIP/6386	German troops in FINLAND and the LARVA	Helsinki	Tokyo	6. 5. 44.
ZIP/6395	German troops occupying HUNGARY.	Budapest	Tokyo	6. 5. 44.
ZIP/6411	German dispositions in Northern Europe	Stockholm	Tokyo	10. 5. 44.
ZIP/6410	German Order of Battle	Stockholm	Tokyo	10. 5. 44.
ZIP/6473	On German defense forces in Europe.	Tanqier	Tokyo	26. 3. 44.
ZIP/6530	On the strength of the German Army	Helsinki	Tokyo	8. 3. 44.
ZIP/6552	German dispositions.	Stockholm	Tokyo	23. 12. 43.
ZIP/6622	On German troop dispositions.	Stockholm	Tokyo	24. 12. 43.

Intelligence Product

Order of battle

- Enemy quality and strength

- Enemy hierarchies, command structures and communications

Strategic intentions

- Enemy aims and objectives

- Enemy understanding of Allied OOB and objectives

Post invasion

- Ongoing German strengths and locations

- Developing enemy plans and intentions

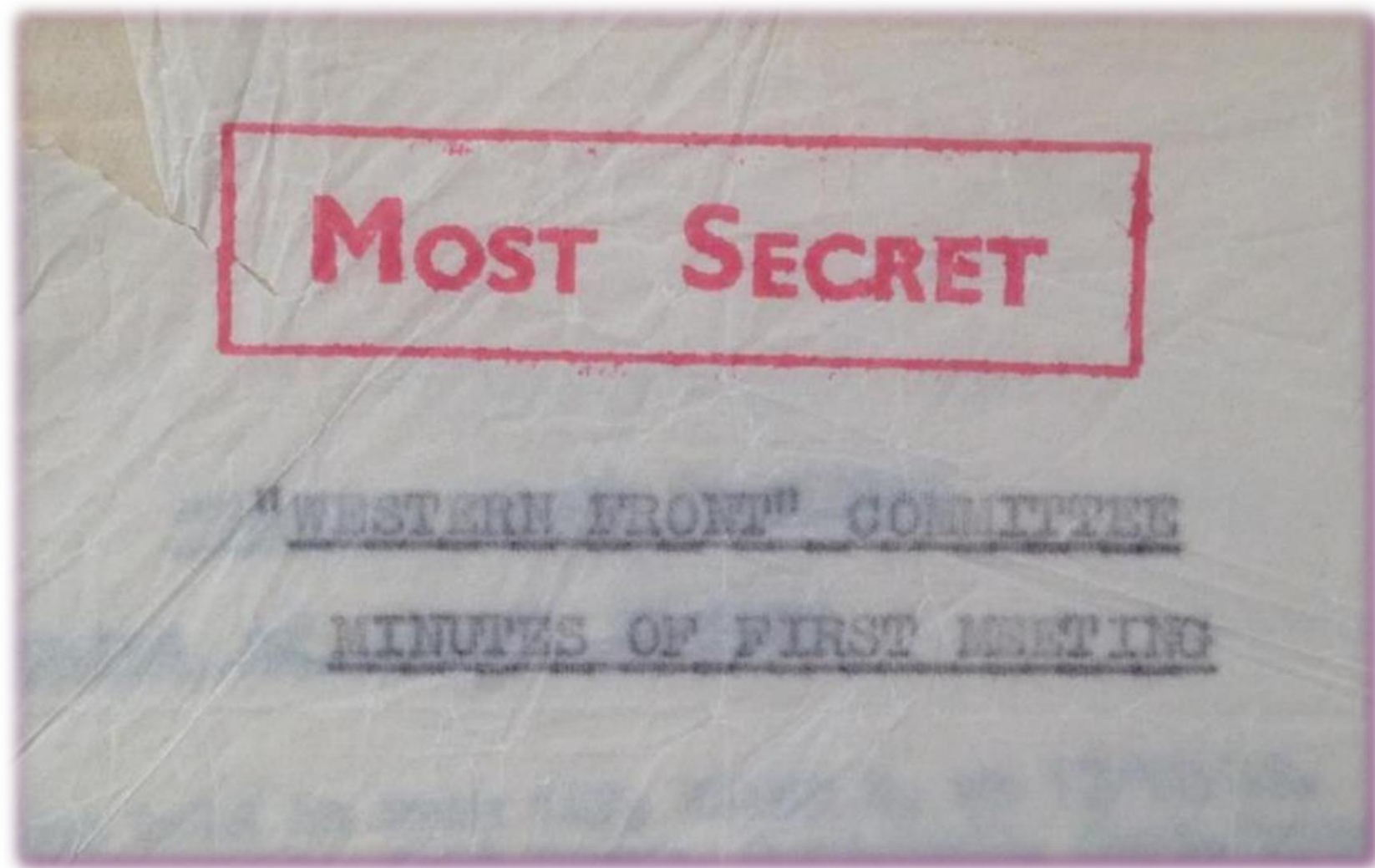
- Progress of friendly forces

Deception

- Mask own OOB and strategy

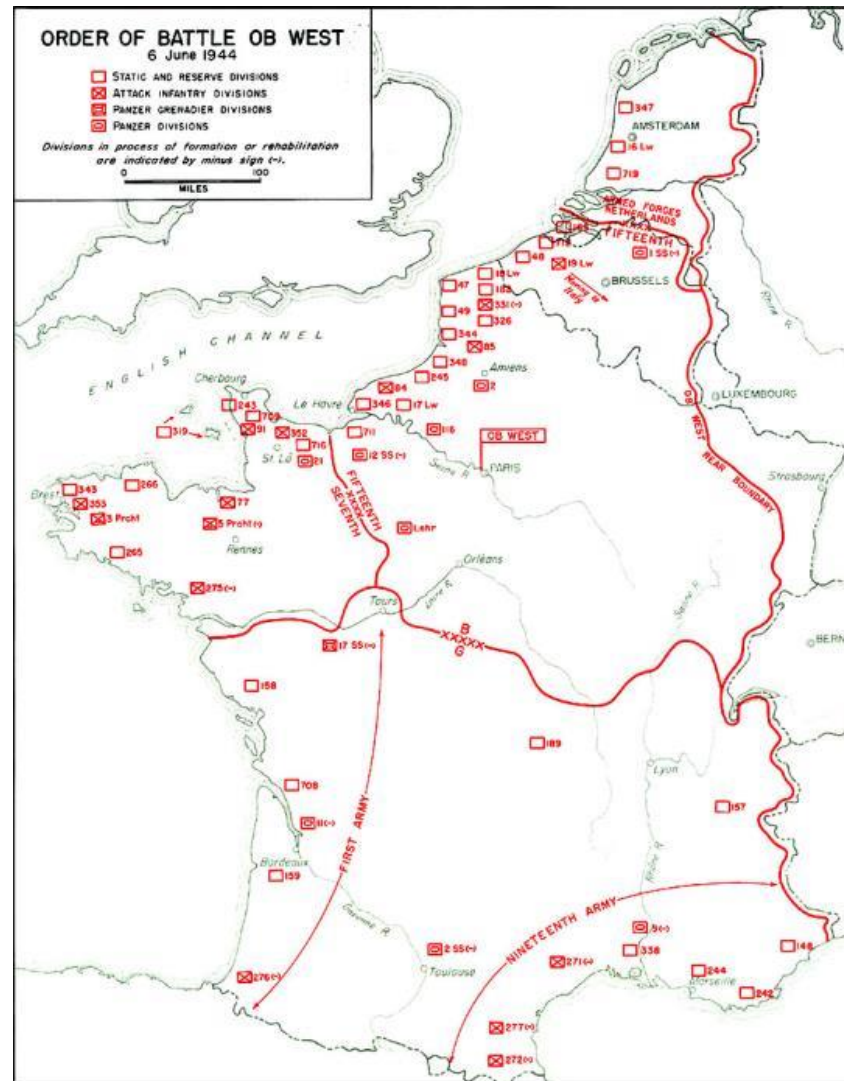
- Reinforce enemy strategic preconceptions

The Western Front Committee



MSS SECURITY													
5 6.44.													
Following is a revise to 2.6.44. of previous SS Orders of Battle in the West.													
Division	Wkr.	G.R.	G.R.	G.R.	Pz.Rgt or Abt(A)	A.R.	A.A.	Nachr.	Pz Jäg	Pz.Btl	Flak(H)	G.O.C.	Location
Pz. Lehr													(Aufkl. Lehr Abt. near BUDAPEST) CHARTRES ORLANS LE MANS
1 SS Pz		1 SS	2 SS	-	1 SS	1 SS	1 SS	1 SS	1 SS	1 SS	1 SS	SS Brigadeff.	TURNHOUT WISCH
2 SS Pz		3 SS	4 SS	-	2 SS	2 SS	2 SS	2 SS	2 SS	2 SS	2 SS	SS Graf. KRIEGER	MONTAUBAN
2 Pz	XVII	2 PGR	4 PGR	-	3	74	2 Pz	38	38	38			AMIENS
2 Para		2 Para	5 Para	7 Para	-	2 Para	2 Para	2 Para	2 Para	2 Para	2 Para	Genltn. RAMKE	6 Para.Rgt. PERIER LESSAY 2 Para Flak Abt. NANTES HUELGORT - SIEUX
Para		5 Para	8 Para	9 Para	-	3 Para	3 Para	3 Para	3 Para	3 Para	3 Para	Genltn. SCHIMPT	
Para		13 Para	14 Para	15 Para	-	5 Para					5 Para		RENNES
Para													possibly NANCY)
9 Pz	XVII	10 PGR	11 PGR	-	33	102	9 Pz	51	50	86	287 B	Genltn. SCHILLER	NIMES
11 Pz	VIII	110 PGR	111 PGR	-	15	119	11	341		209	277 H	Genmaj. v. WITTEBESHEIM	LIBOURNE - FLOIRAC
12 SS Pz		25 SS	26 SS	-	12 SS	12 SS	12 SS	12 SS	12 SS	12 SS	12 SS	SS Brigadeff. WITT	ELREUX - ELREUF

German OOB



The Verdict

“In the end, as we shall see, it enabled the allies to make an all but totally accurate assessment of the German order of battle in the *Overlord* area on D-Day”

(Hinsley Vol 3 Pt II p69)

Hitler and von Rundstedt



Downloaded from <http://www.sagepub.com> at NANYANG TECH UNIV LIBRARY on June 11, 2015

C.-IN-C WEST APPRECIATES THE SITUATION AS
FOLLOWS 1-
ACCORDING TO ALL INFORMATION INVASION
PREPARATIONS IN THE ENGLISH MOTHERLAND ARE AS GOOD AS
COMPLETE. THE JUMPING-OFF AREA OF THE INVASION BASE POINTS
CLEARLY TO THE OCCUPIED WEST COAST.
END OF PAGE TWO+
/THE

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CLEARLY TO THE OCCUPIED WEST COAST.
END OF PAGE TWO+
/THE

Oshima-Tokyo 31 May 1944

D.D. (C).

G-2.

D. & R.

TOP SECRET.

TO BE KEPT UNDER LOCK AND KEY: NEVER TO BE REMOVED FROM THE OFFICE.

JAPANESE AMBASSADOR, BERLIN, REPORTS INTERVIEW
WITH HITLER.

No: 132013

Date: 31st May, 1944.

From: Japanese Ambassador, BERLIN.

To: Minister for Foreign Affairs, TOKYO.

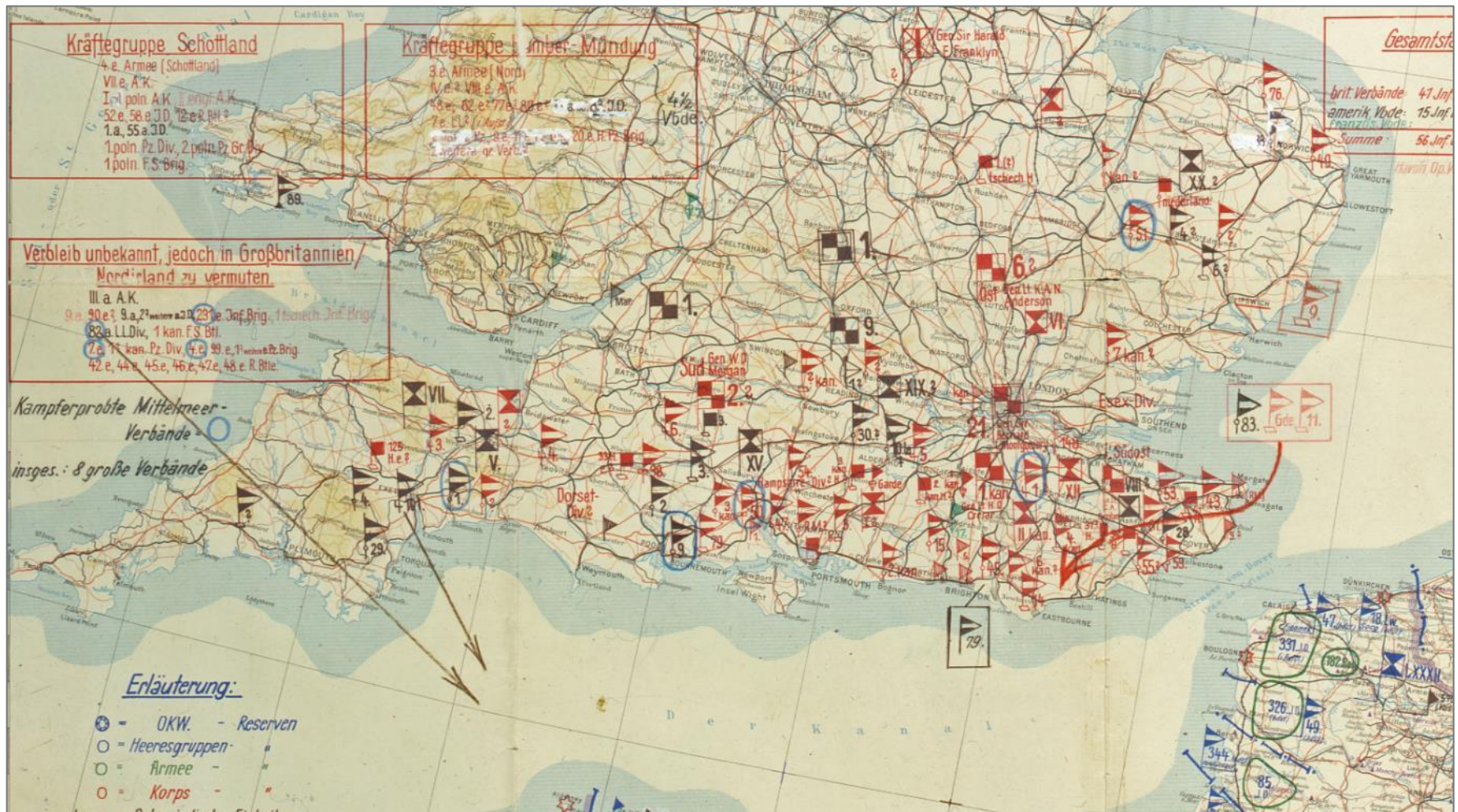
No: 508.

Date: 28th May, 1944.

[W/T: I A. JAA].

On the 27th I called on Foreign Minister RIBBENTROP at FUSCHL and lunched with him, having about two hours' conversation; and during the afternoon of the same day I had about two hours' conversation with HITLER at BERGHOF. I am telegraphing separately a report of what passed.

German understanding of Allied OOB



Abwehr Traffic

96113 GROUP II/1
MADRID to BERLIN
RSS 374/10/5/44
398

ZEG on 12879 kcs. 1302 GMT. 10/5/44
99

MEL
2152

337. An ERIZO fuer HEROLD. Bitte MARTIN und
LUDWIG dort beteiligen. V 315 SP 25/4 aus
GOLFPLATZ ueber FELIPE. Etwa 20,000 Fallschirm-
truppen Jahrgang 19-22 davon die Haelfte engl.
Truppen im Raum OXFORD-AYLESBURY-BICESTER
versammelt. Angehoeren zum Teil angeblich 4ter
Luftlande Div. Sollen in erster Welle bei
Invasionsunternehmen angesetzt werden.

KO.SP. 5614.

PLTFC: 004/14.22

D-Day Intercepts

349 left

TO 0010/6/6/++

TOO 0155

From Sea Defence Commandant NORMANDY
To Admiral Channel Coast

Some of the parachutists reported were straw dummies.

0236/6/6/++

Mortain - Op Lüttich



INFORMATION DOMINANCE



MI14 Verdict

WASHINGTON AND VARIOUS COMMANDS ABROAD

6. In addition to the CIGS Summary the section regularly produced papers on specific subjects, in particular order of battle, which were mainly or largely based on ULTRA. Appreciations of a non-routine nature were produced on any subject as and when necessary. They were mostly passed to the DMI for his information but not infrequently they were written primarily in order to make War Office views known to commands abroad. It may fairly be said that practically all M.I.14 appreciations of a general nature, including any on order of battle or directly bearing on operations, contained ULTRA, and most were based primarily on ULTRA information.

11. In general it may be said that almost all ULTRA information was valuable because of its very high degree of accuracy. Its relative value, as compared with other sources, depended almost entirely on the amount of material it provided on any particular subject. Owing to the fact that it seldom gave a complete picture, it had to be handled with caution. By far the greater part of ULTRA intelligence was concerned with enemy strategy, intentions, tactics, the strength and condition of the forces in the forward areas, and order of battle. In this sphere its value can scarcely be rated too high.

Hut 3 Verdict

“Indeed, one may say without serious error that much of the red-hot tactical Intelligence could have been jettisoned without irreparable harm:

but the long-term things, nearly always less spectacular, often individually very trivial, were yet indispensable and unique in the history of Intelligence.”

History of Hut 3

Eisenhower's Verdict

Dear General Monzie:

I had hoped to be able to pay a visit to Bletchley Park in order to thank you, Sir Edward Travis, and the members of the staff personally for the magnificent services which have been rendered to the Allied cause.

I am very well aware of the immense amount of work and effort which has been involved in the production of the material with which you have supplied us. I fully realize also the numerous setbacks and difficulties with which you have had to contend and how you have always, by your supreme efforts, overcome them.

The intelligence which has emanated from you before and during this campaign has been of priceless value to me. It has simplified my task as a commander enormously. It has saved thousands of British and American lives and, in no small way, contributed to the speed with which the enemy was routed and eventually forced to surrender.

I should be very grateful, therefore, if you would express to each and everyone of those engaged in this work from me personally my heartfelt admiration and sincere thanks for their very decisive contribution to the Allied war effort.

*Sincerely
Dwight D. Eisenhower*

Major General Sir Stewart G. Monzie
KCMG, CB, DSO, MC

The War Office
Whitehall
London, SW1

BLETCHLEY PARK

Home of the Codebreakers

Questions?