

**INSTITUTE FOR THE STUDY OF WESTERN CIVILIZATION  
SUMMER 2019  
INSIDE BLETCHLEY PARK: CODE BREAKING AND WWII**











Bletchley Station

Main entrance:  
Sherwood Drive

Main gate

Wartime footpath

Wartime main entrance (Wilton Avenue)  
*Now closed*

Wartime despatch rider's entrance  
*Now closed*

- 1 Hut 1 Diplomatic Wireless Service
- 3 Hut 3 *Closed*
- 4 Hut 4 Bar & Restaurant
- 6 Hut 6 *Closed*
- 8 Hut 8 *Closed*
- 11 Hut 11 *Closed*
- P Parking

H-Block

G-Block

D-Block

E-Block

A-Block

B-Block

Computer museum Colosseus

Model railways

The cottage

Stableyard

Post office and toy museum

Model boats

The Mansion

Lake

Parking

Disabled Parking

Parking

P



**Bletchley Park**







**Viscount Hailsham**









11 WEEKS ON THE BESTSELLER LIST

SENSATIONAL NATIONWIDE BESTSELLER!

Beyond any fiction thriller! The secret that won  
World War II now revealed for the first time . . .

"An astounding account that will make us revise  
all our history books!"—BOSTON GLOBE

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# THE ULTRA SECRET

**F. W. WINTERBOTHAM**

the author of THE NAZI CONNECTION





# BATTLE OF WITS

The complete story  
of codebreaking  
in World War II

STEPHEN BUDIAANSKY



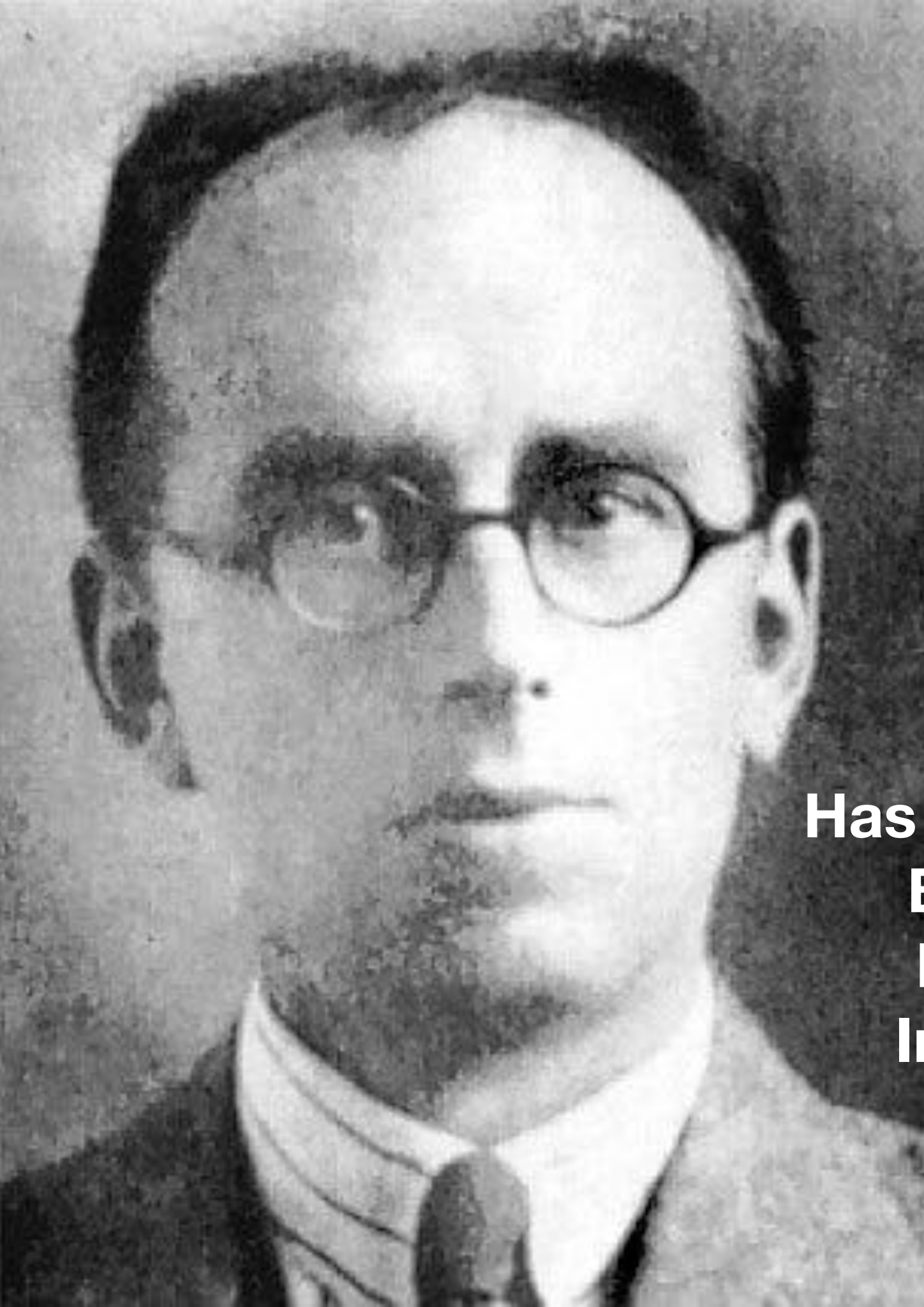


**Winston Churchill, 1919**





**Room 40 of the Admiralty was the center of British code breaking activity in WWI**



**Alfred Dillwyn Knox  
1884-1943**

**The sailor in Room 53  
Has never, it's true, been to sea,  
But though not in a boat,  
He has yet served afloat  
In a bath at the Admiralty.**



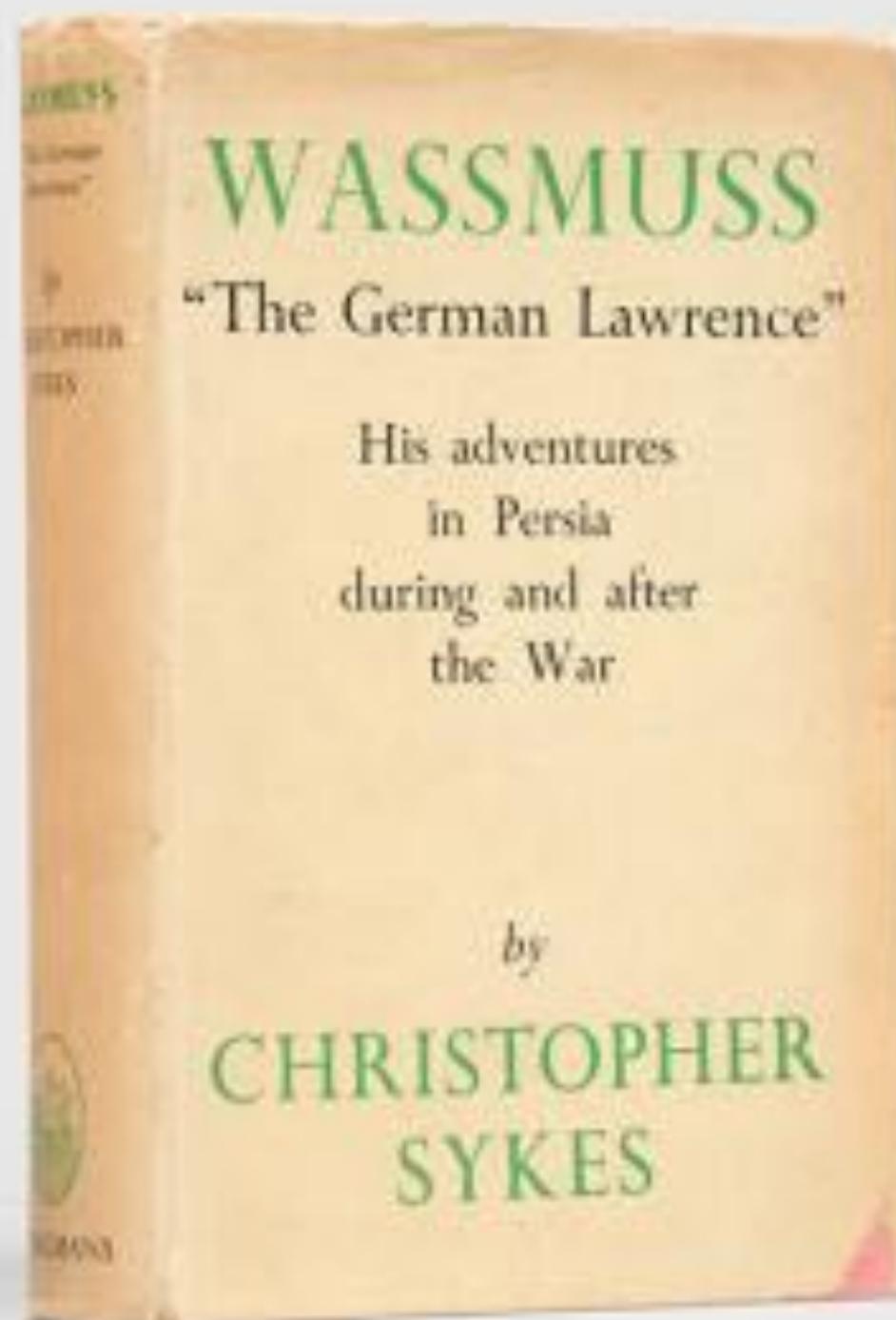






**Wilhelm Wassmuss**  
**1880-1931**





GERMAN LEGATION

MEXICO CITY

130 13042 13401 8501 115  
 18147 18222 21580 10247 115  
 98092 5905 11311 10392 1037  
 23571 17504 11289 18278 181  
 23284 22200 19452 21589 678  
 1333 4725 4458 5905 17168  
 13850 12224 6929 14991 7382  
 5870 17553 67893 5870 5454  
 21001 17388 7446 23638 1822  
 3156 23552 22098 21604 4797  
 23610 18140 22280 5905 13347  
 6929 5275 18507 52282 1340  
 10439 14814 4178 6992 8784  
 21100 21272 9346 9559 22484

warfare. We shall endeavor  
 to keep the United States of  
 America from the event of this not succeed-  
 ing proposal of alliance on the  
 part of the United States of  
 America to war together, make peace  
 and financial support and an under-  
 standing that Mexico is to reconquer  
 Texas, New Mexico, and  
 the rest in detail is left to you.  
 President of the above most  
 in case of outbreak of war with the  
 United States is certain and add the  
 United States, on his own initiative,  
 to the adherence and at the same  
 time Japan and ourselves. Please  
 attention to the fact that

# The Zimmermann Telegram



"In this remarkable work, Churchill, as a reader and a writer of history, explores the confusion and complexities of World War I, vividly foreshadowing the later global struggle he would fight alongside Franklin Roosevelt. In a new century, the book remains essential reading, as fresh and compelling as ever, for the central issue it addresses—how a free people should chart their way through a world of conflicting interests—is always with us."  
—Jon Meacham, bestselling author of *Throne and Dog*

# THE WORLD CRISIS 1911-1918



WINSTON S.  
CHURCHILL

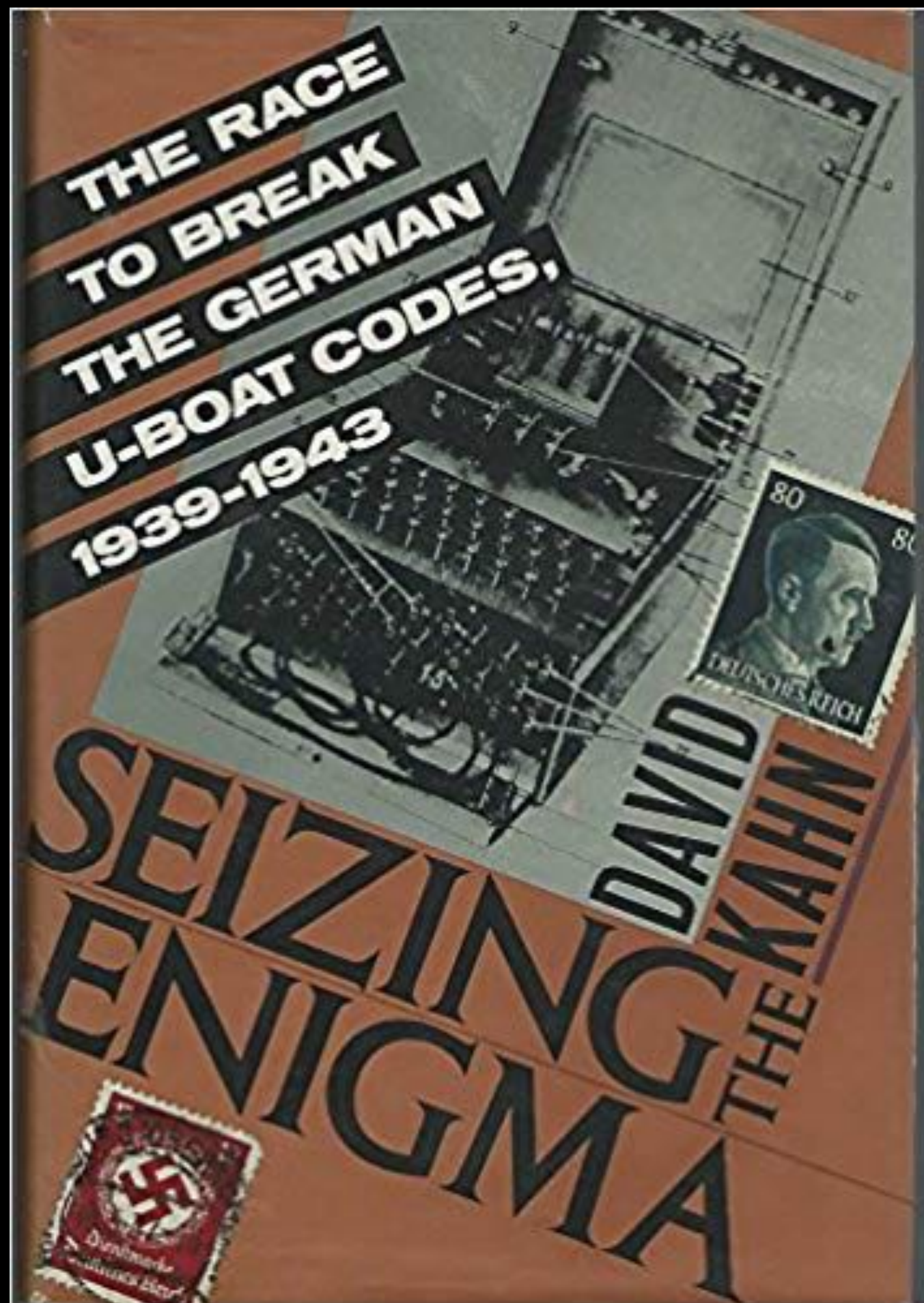
WITH A NEW INTRODUCTION BY MARTIN GILBERT



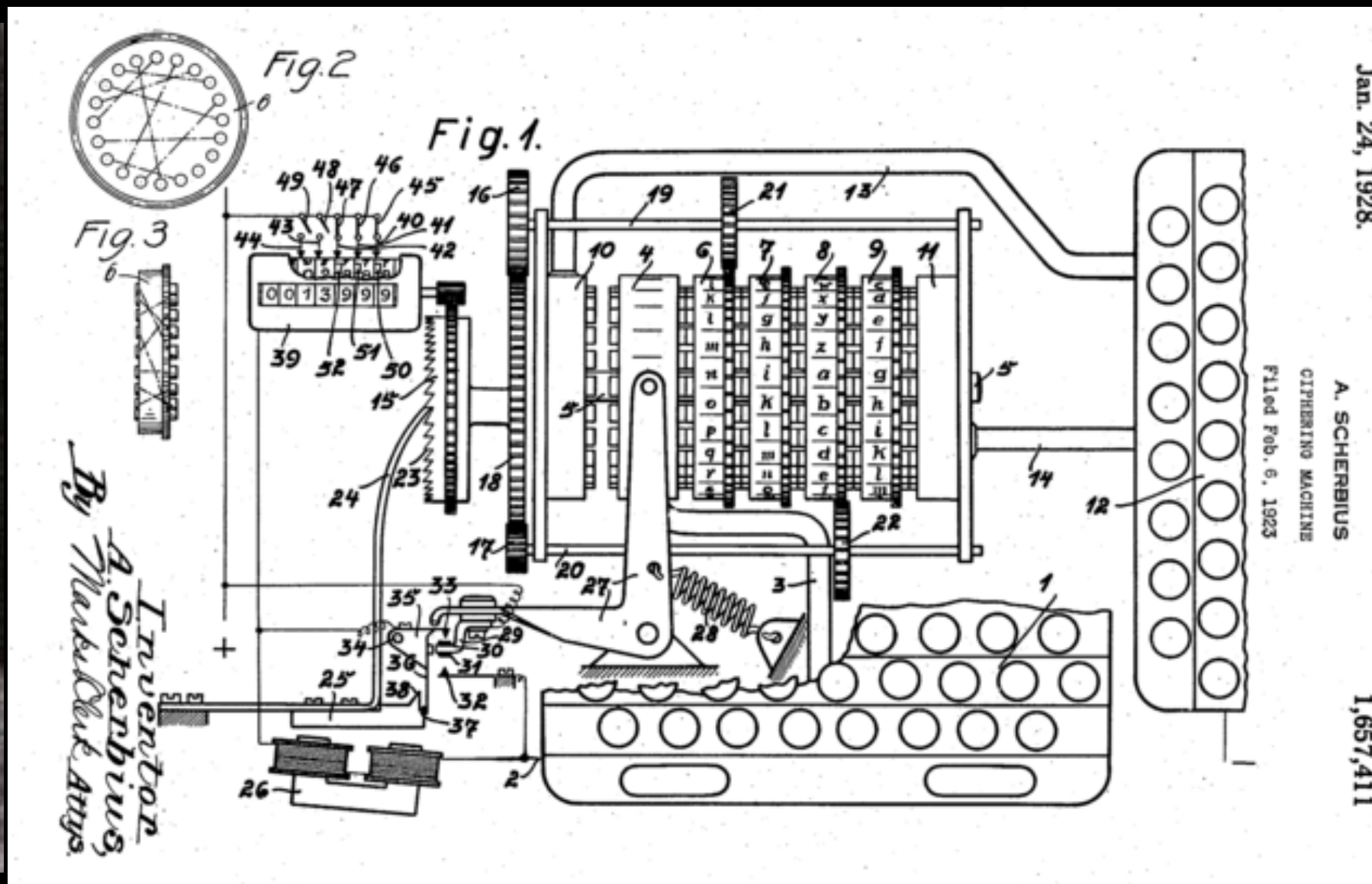
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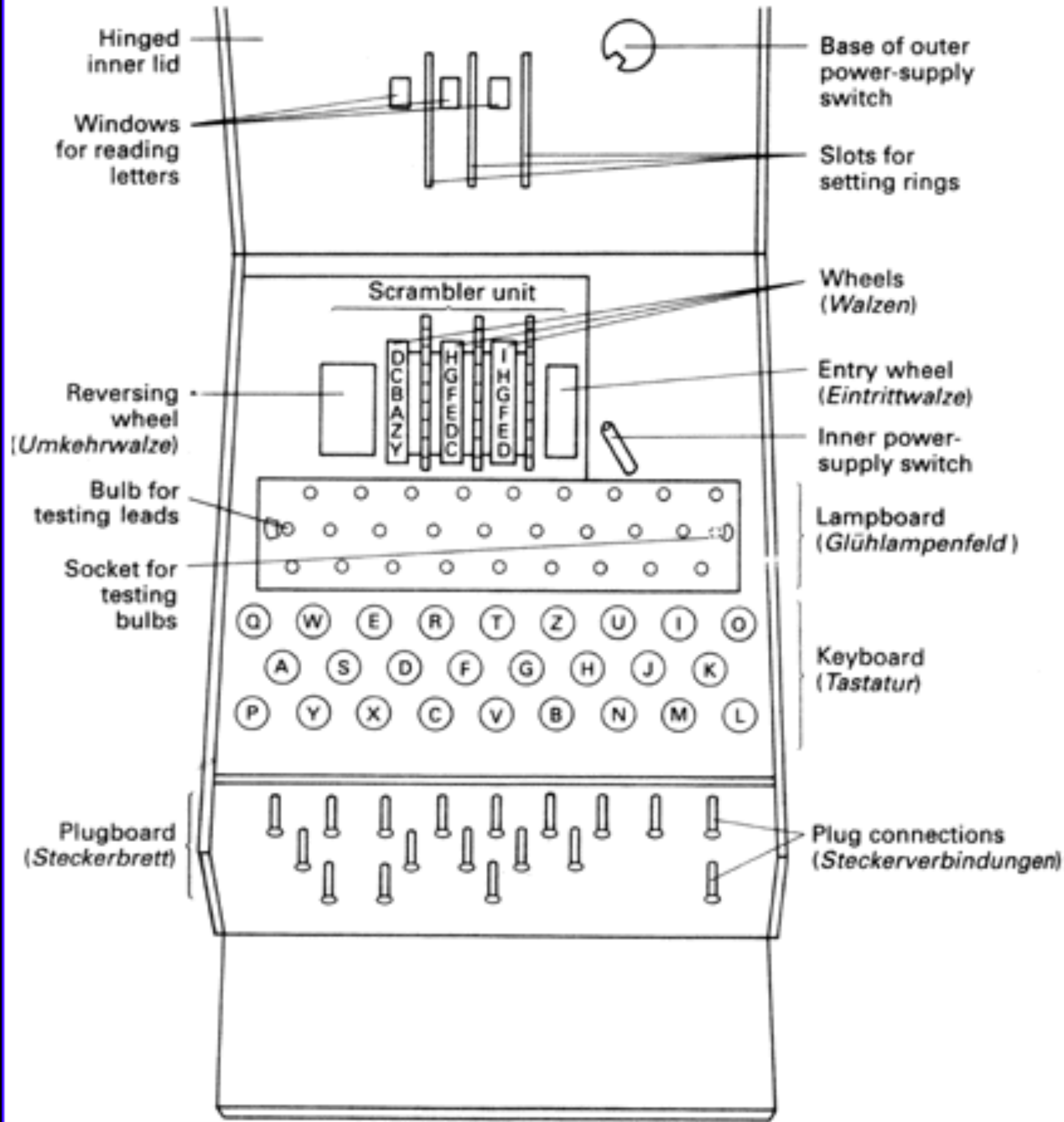
STEPHEN BUDIANSKY







Arthur Scherbius and his 1928 patent







**Hans-Thilo Schmidt**



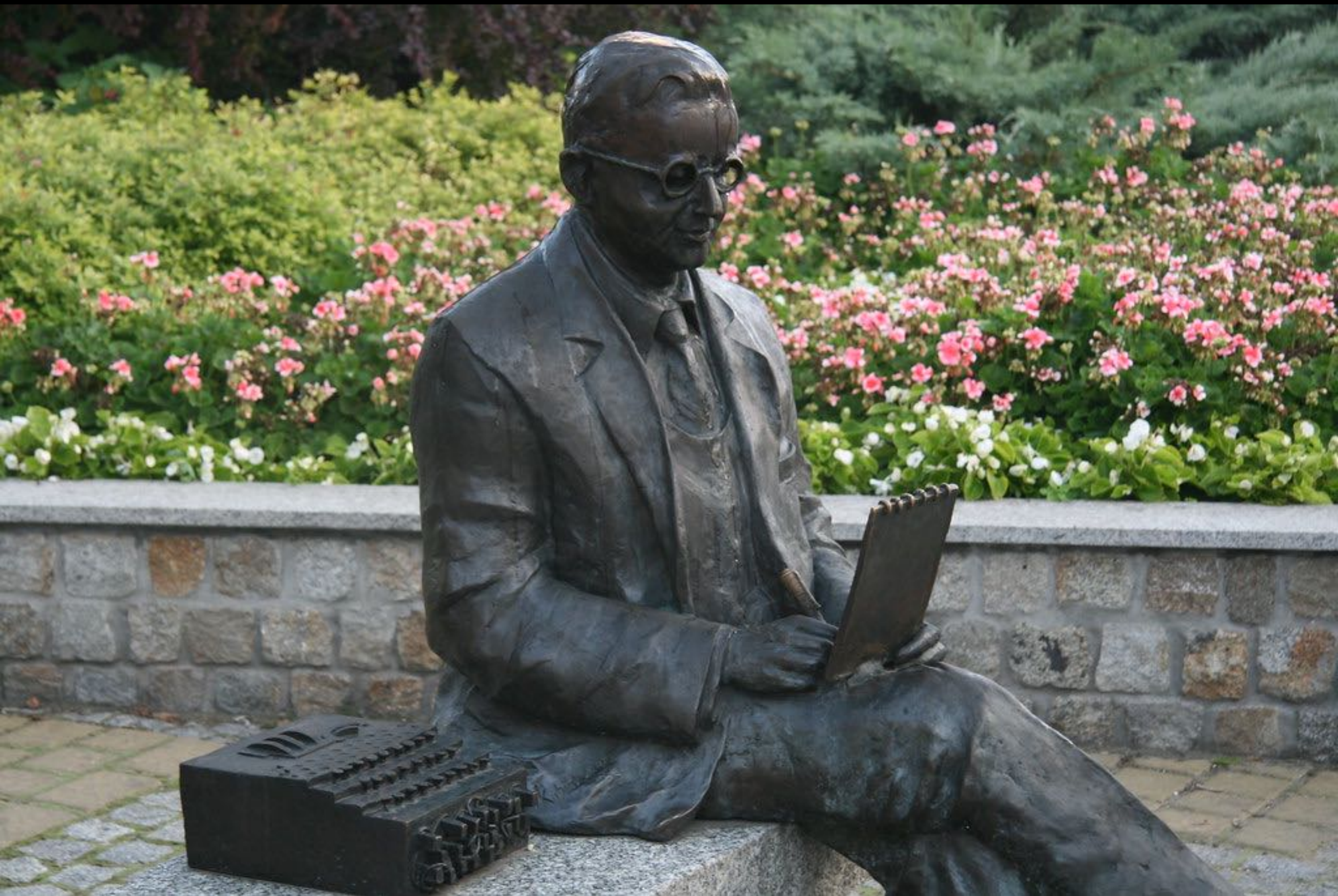
**Marian Rejewski (1905-1980)**





**Henryk Zygański, Jerzy Rozycki, Marian Rejewski**









# Polish Memorial at Bletchley Park





**Ian Fleming  
in Room 39 of the Admiralty  
the nerve center of  
British Naval Intelligence**





**Alfred Dillwyn Knox**  
**1884-1943**



**Harry Hinsley**





**Gordon Welchman**



**Alan Turing**  
**1912-1954**





**Stuart Hampshire**  
**1914-2004**



**Alan Turing at 16,  
1928**





**Nassau Hall, Princeton University**



# ON COMPUTABLE NUMBERS, WITH AN APPLICATION TO THE ENTSCHIEDUNGSPROBLEM

*By* A. M. TURING.

[Received 28 May, 1936.—Read 12 November, 1936.]

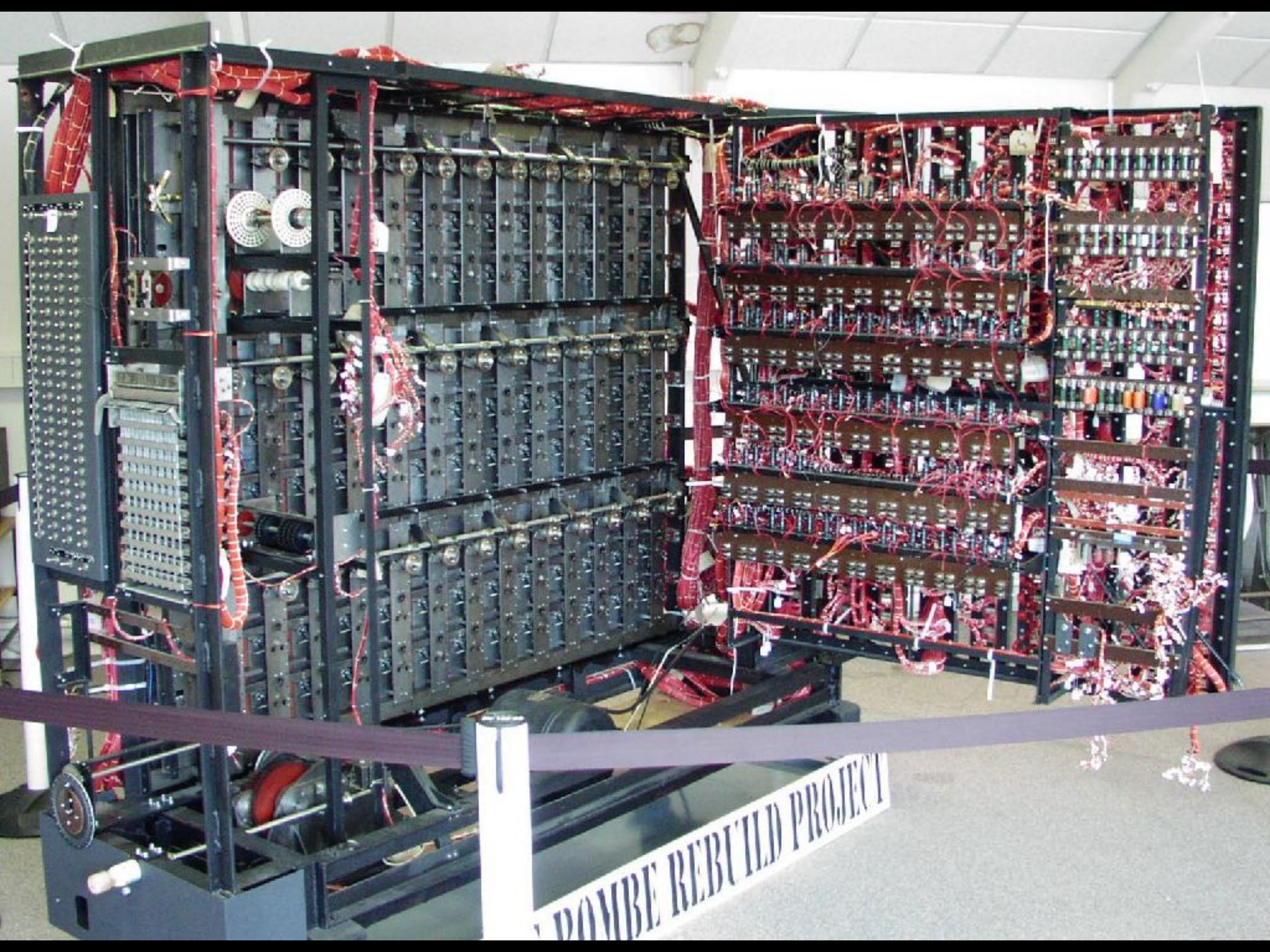
The “computable” numbers may be described briefly as the real numbers whose expressions as a decimal are calculable by finite means. Although the subject of this paper is ostensibly the computable *numbers*, it is almost equally easy to define and investigate computable functions of an integral variable or a real or computable variable, computable predicates, and so forth. The fundamental problems involved are, however, the same in each case, and I have chosen the computable numbers for explicit treatment as involving the least cumbersome technique. I hope shortly to give an account of the relations of the computable numbers, functions, and so forth to one another. This will include a development of the theory of functions of a real variable expressed in terms of computable numbers. According to my definition, a number is computable if its decimal can be written down by a machine.



PHOENIX

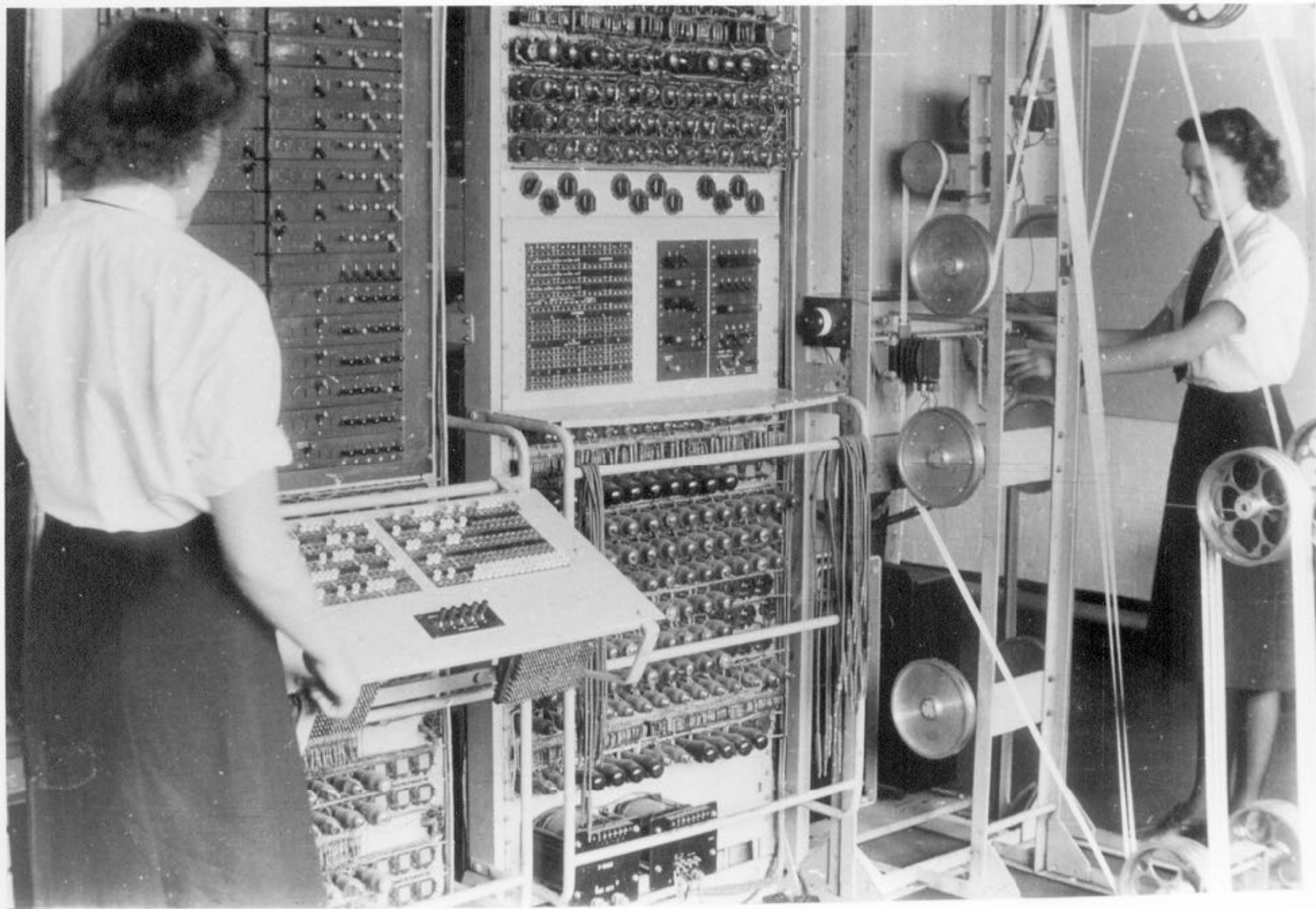






BOMBE REBUILT PROJECT









**BLETCHLEY PARK TRUST**





**Women at Bletchley**

















**Hugh Trevor-Roper**









**Keith and Mavis Batey**



CAIRO - Sheapheard's Hôtel

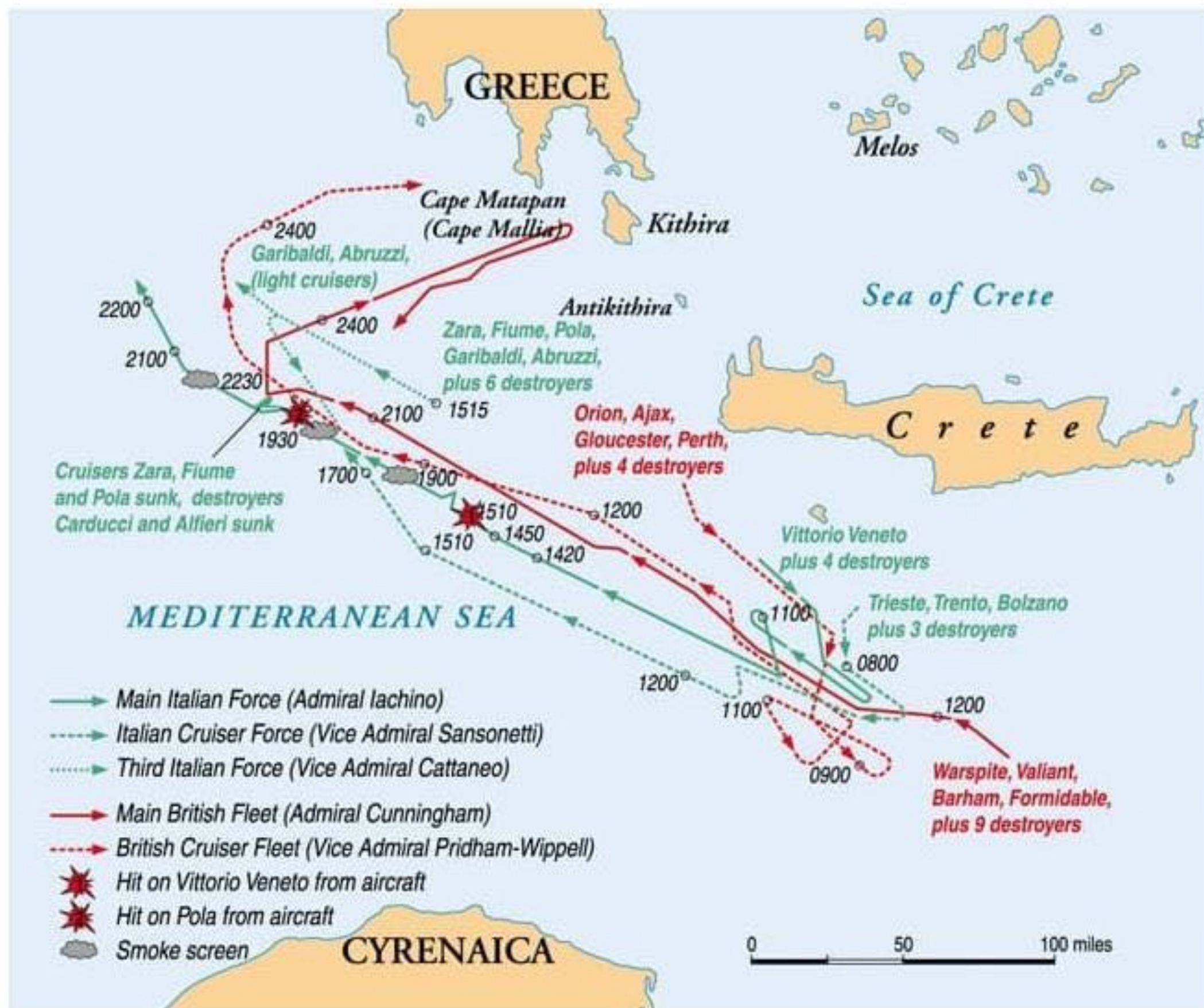




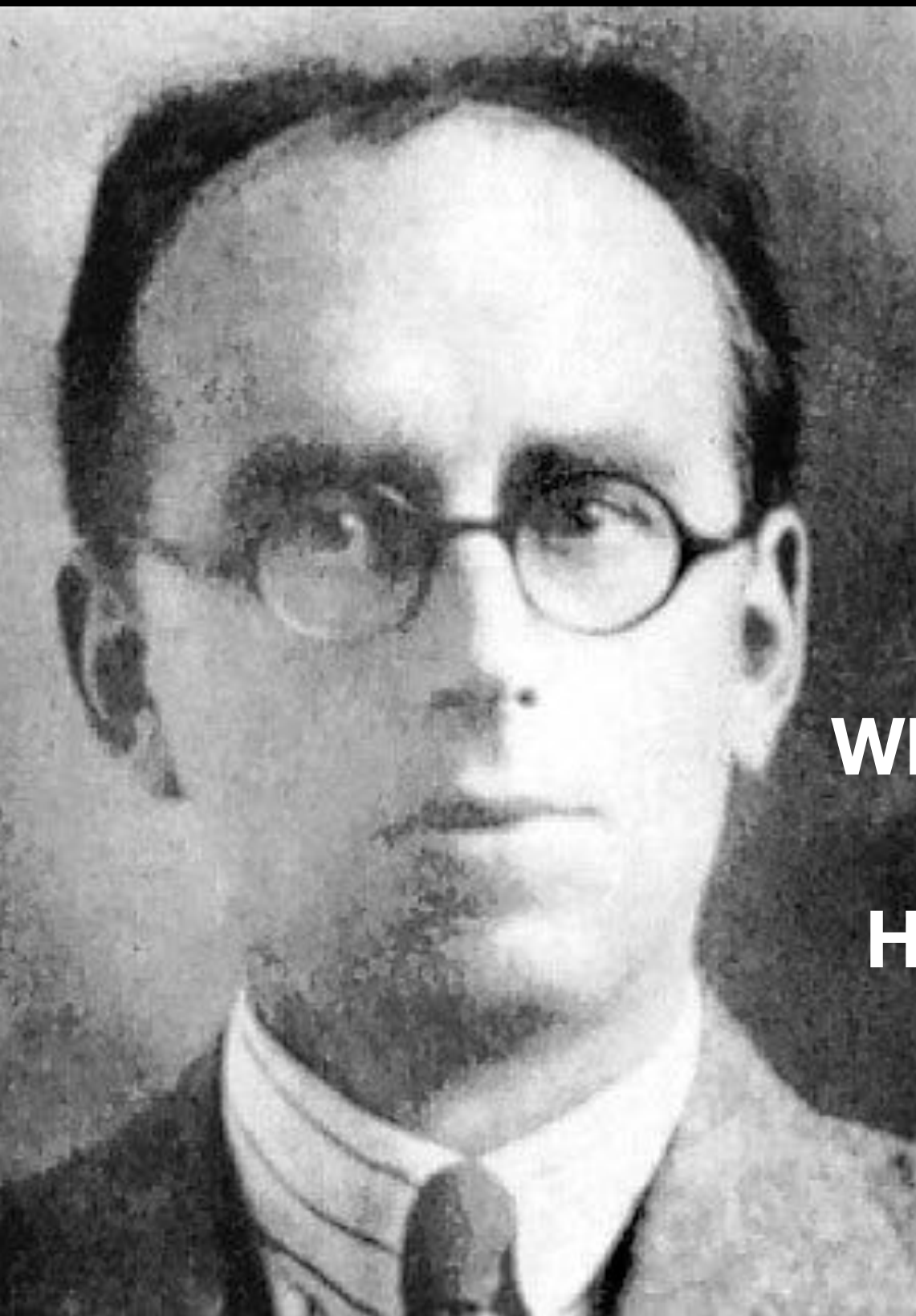


**Admiral Andrew B.  
Cunningham**







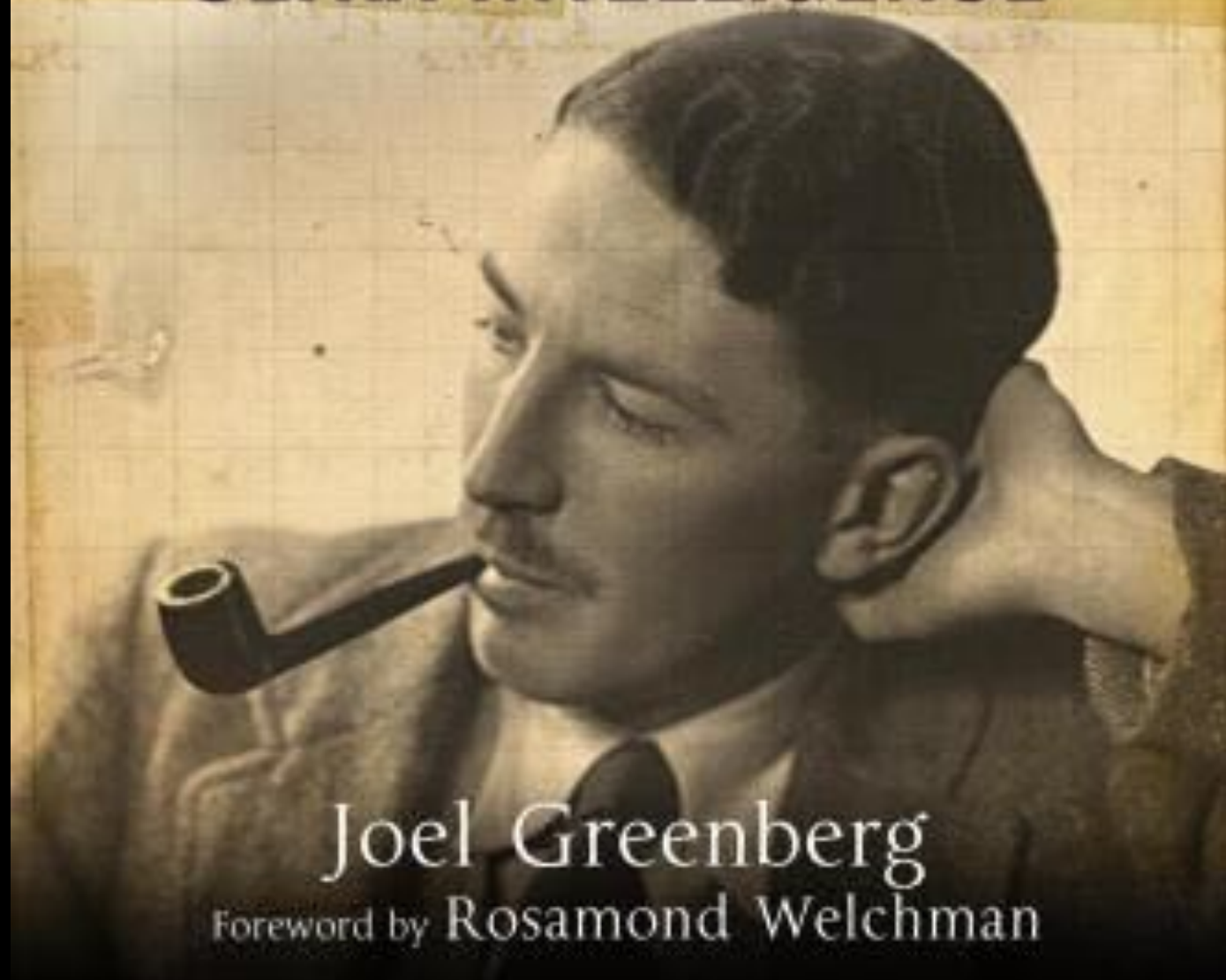


**When Cunningham won at Matapan  
By the grace of God and Dilly,  
He was the brains behind them all  
And should ne'er be forgotten.  
Will he?**



# GORDON WELCHMAN

BLETCHLEY PARK'S  
ARCHITECT OF  
ULTRA INTELLIGENCE



Joel Greenberg

Foreword by Rosamond Welchman



1827 3225XM 01626 W987

SEXTO

101

H6R 5RH DE C 1346 = 3TLE = 2TL 224 = HUV XNG =  
DKRKI CUZAF HNSDC AWXVJ DVZRH DMOZN NWRJC KKJQO  
ELWIK XDUUP ECEGN OUNNQ C11ZX FUTVJ BTNWI GOECK  
CMYUC KTTYB ZMDTU WCNWH OXOFX ERVQW JUCVY PQACQ  
EBMXE NOQKE LWRMR LGKXZ BPYWR QQVYG WJDGA QXKVC  
HQQJJ PVSIG WFZUZ HHWQG YFCQQ RHVRR QQIDQ QVVIV  
LJLBH LHHD1 OFWUY JUQGX BWPZ

OCT 2/3 R06GN

1852 FLC

REV

SNZ

(Y)

ULTRA intercept  
before decryption



mach. 10. 11. 1943

Wetter: 11. 11. 1943

Berlin to H. Gr. Kierland.

Beitrag	Beitrag	Beitrag	Beitrag	Beitrag	Beitrag	Beitrag
1. 11. 1943	2. 11. 1943	3. 11. 1943	4. 11. 1943	5. 11. 1943	6. 11. 1943	7. 11. 1943

"TYPED"

N/A

①  
D. HUT 3  
14/12  
T.E. 0954  
F. 7691  
M.K. 14/12  
L. Whiting  
No. W 136773

②  
D. HUT 3  
14/12  
T.E. 0954  
F. 7691  
M.K. 14/12  
L. Whiting  
No. W 136773

"TYPED"

③  
R 1467

1. 11. 1943  
B) TAG DER UEBERNAHME DES ROSTS AM 14. 11. 1943 SEIT VANN

ALS ROST AM 14. 11. 1943 IM KAMPF EINSATZ VY VOKH PAJAG

P. 1/4 ART AM 14. 11. 1943 AM 14. 11. 1943 AM 14. 11. 1943

LEHND AM 14. 11. 1943 AM 14. 11. 1943 AM 14. 11. 1943

1. 11. 1943 13/12 10/12 (11697)

AM 14. 11. 1943 GR 14. 11. 1943 KURLAND 14. 11. 1943 STOHI 14. 11. 1943 VY 14. 11. 1943 BETR 14. 11. 1943 BET

REUNGS 14. 11. 1943 QBL 14. 11. 1943 GEN 14. 11. 1943 FREI 14. 11. 1943 VERBAENDE 14. 11. 1943 IN 14. 11. 1943 OT 14. 11. 1943

BITTET JUM MITTELUNG 14. 11. 1943 WELCHE NICHTOSTVOELKISCHENFREI 14. 11. 1943

VERBAENDE 14. 11. 1943 GRUPPEN 14. 11. 1943 EINZELFREI 14. 11. 1943 DIE NICHT

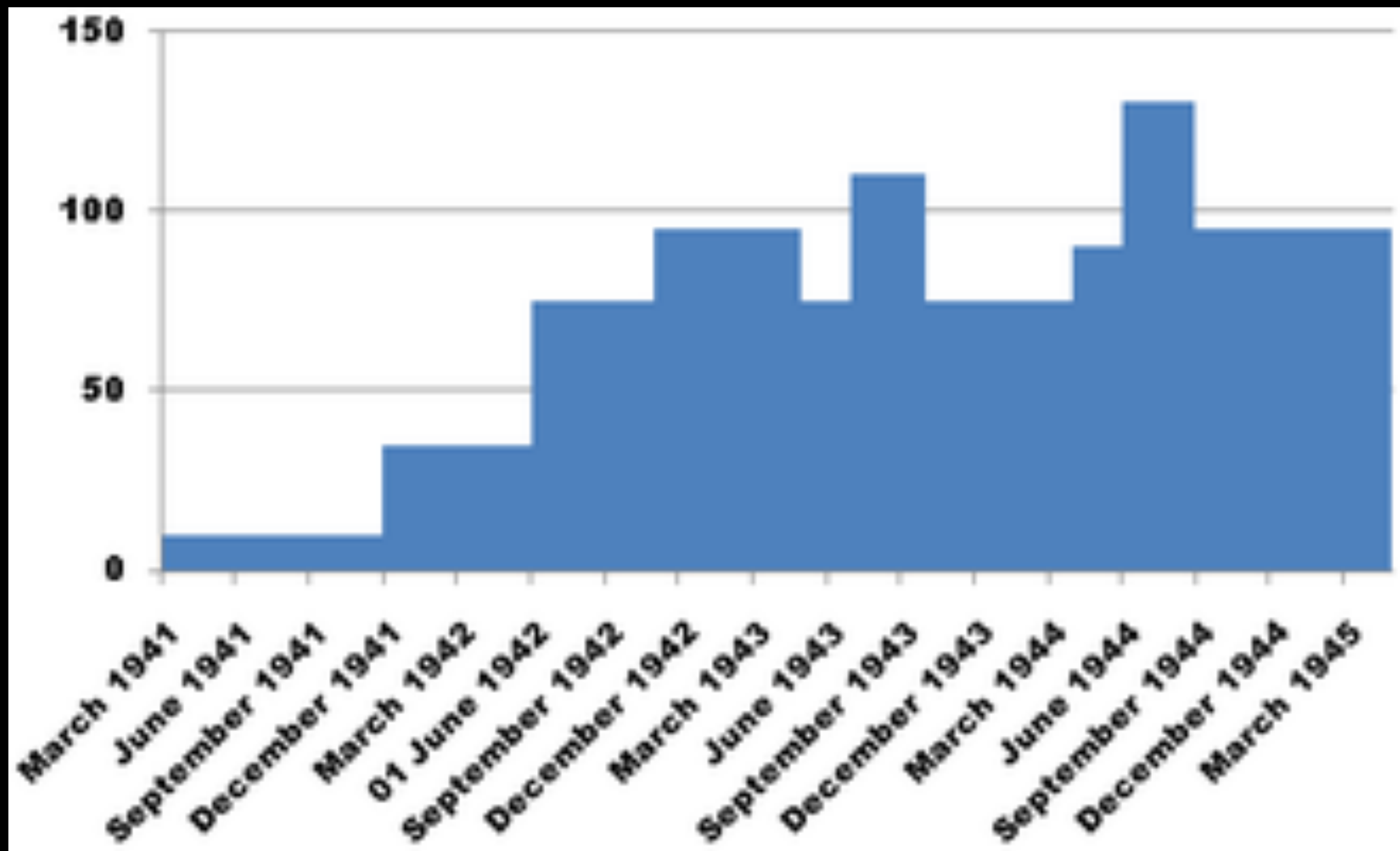
DER REPUBLIKANISCHFASCHISTISCHE 14. 11. 1943 DER NEUEN UNGARISCHEN

ODER DER KROATISCHEN VERMAGT 14. 11. 1943 UA NN 14. 11. 1943 USTAFCHA

ANGEHOREN BEFINDEN SICH DORT 14. 11. 1943 WERDEN DERARTIGE FRE

ULTRA message after decryption





**Average number of daily despatches to field commanders from ULTRA**





**Rommel, “The Desert Fox”**





To Dorothy  
With the love of  
Bonner  
Tokyo 1946

**Bonner Frank Fellers**



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# DAPHNE DU MAURIER

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AFTERWORD BY SALLY BEAUMAN

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## REBECCA





**Hekmat Fahmy: “An Englishman who has just made love to a woman can’t stop talking.”**





**Generals Montgomery , Wavell, Auchinleck**







**Jasper Maskelyne**





Served With The British Army 1941-1942  
With "Group A" (AKA The Magic Gang)  
Concealed Alexandria Harbour, Egypt  
and The Suez Canal (1941)  
Operation Bertram (1942)



Tank Disguised As Truck



*Jasper Maskelyne  
AKA The War Magician  
1902-1973*



He made the  
Suez Canal disappear  
using just mirrors &  
lights.

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