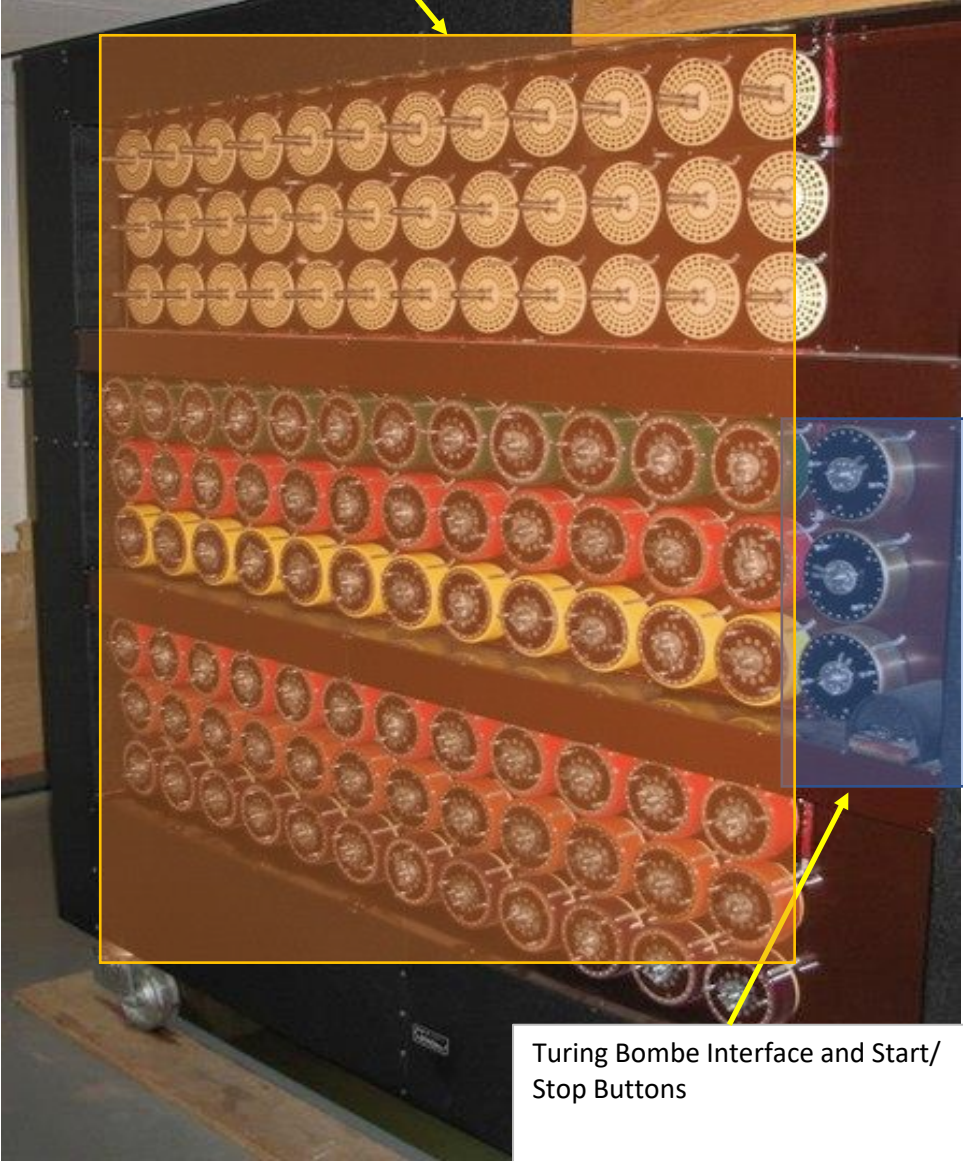Bletchley Park Recreated Bombe
(Alan Turing, Gordon Welchman & Hut 6)

Turing Bombe Brain
or Giant Brute Force Circuit Tester

Turing Bombe Interface and Start/
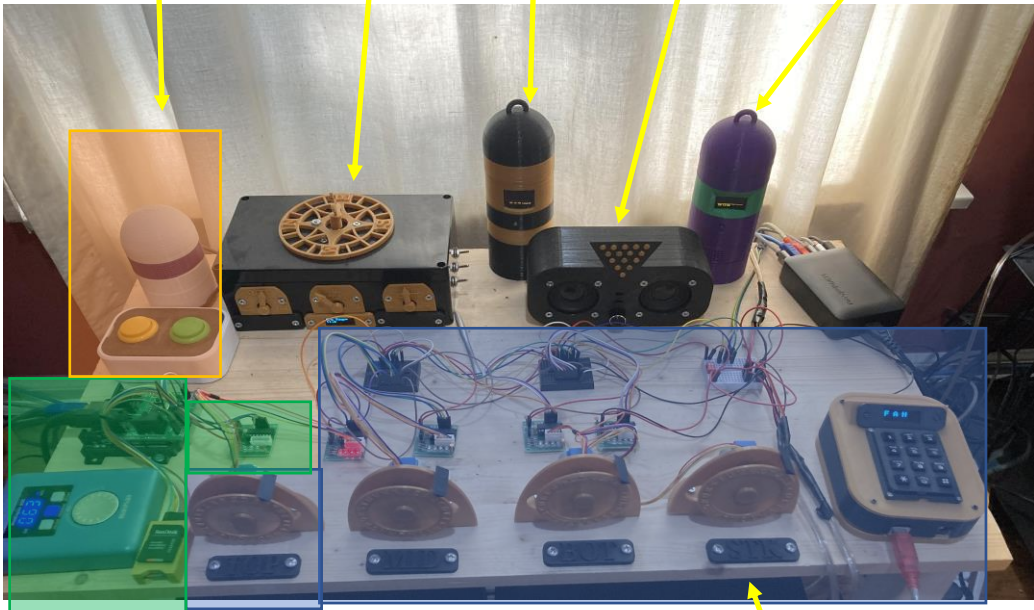Stop Buttons

Turing Bombe Brain
with
Update Configuration
and Start Buttons

Cornish News
Ticker

BBC Sports News
Ticker

Weather Display

Cornish
Theme
Speakers

Midi Player System

Turing Bombe Interface, Stop
Indicator Wheels and Stecker
Indicator Wheel
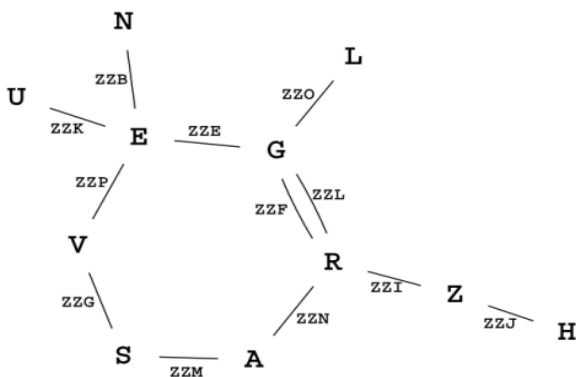
Enigma Machine with Computer and Arduino Simulator

As an example of how to create a menu we use the following crib:

Letter Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Clear	W	E	T	T	E	R	V	O	R	H	E	R	S	A	G	E
Cipher	S	N	M	K	G	G	S	T	Z	Z	U	G	A	R	L	V

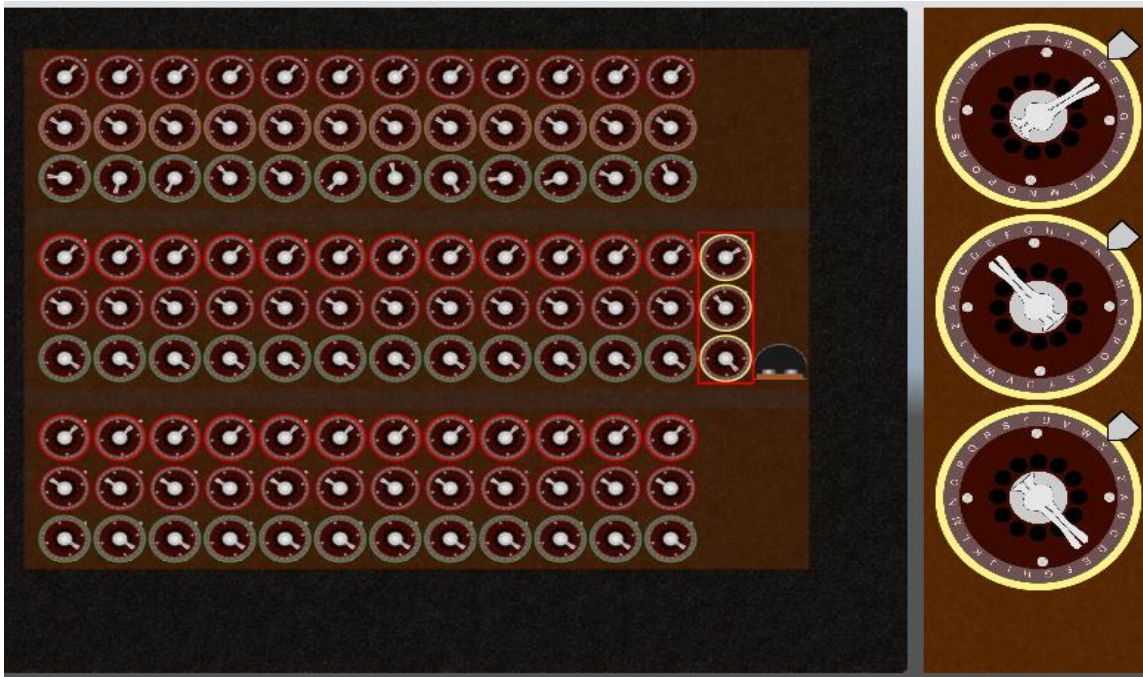WETTERVORHERSAGE = Weather Forecast

The resulting graph:

In order to 'Program' the Bombe to identify if an Enigma Configuration would decode the Crib a series of wires were connected to the Bombe to model the Map.
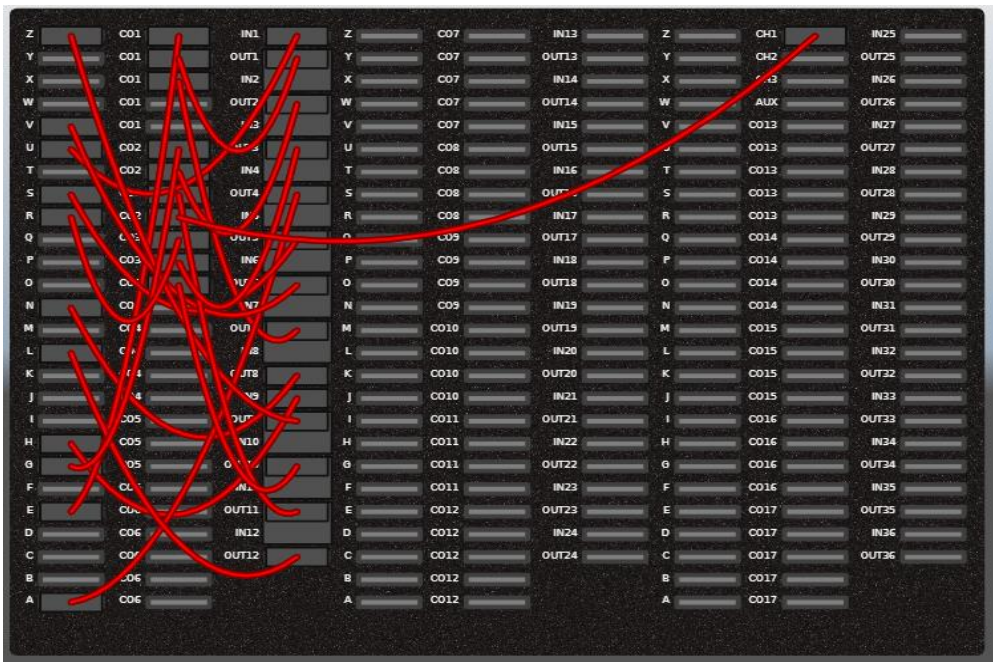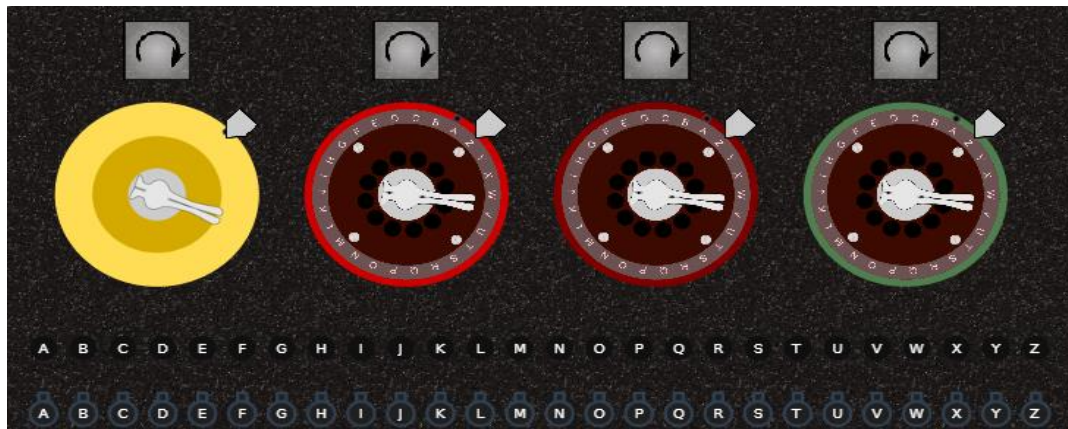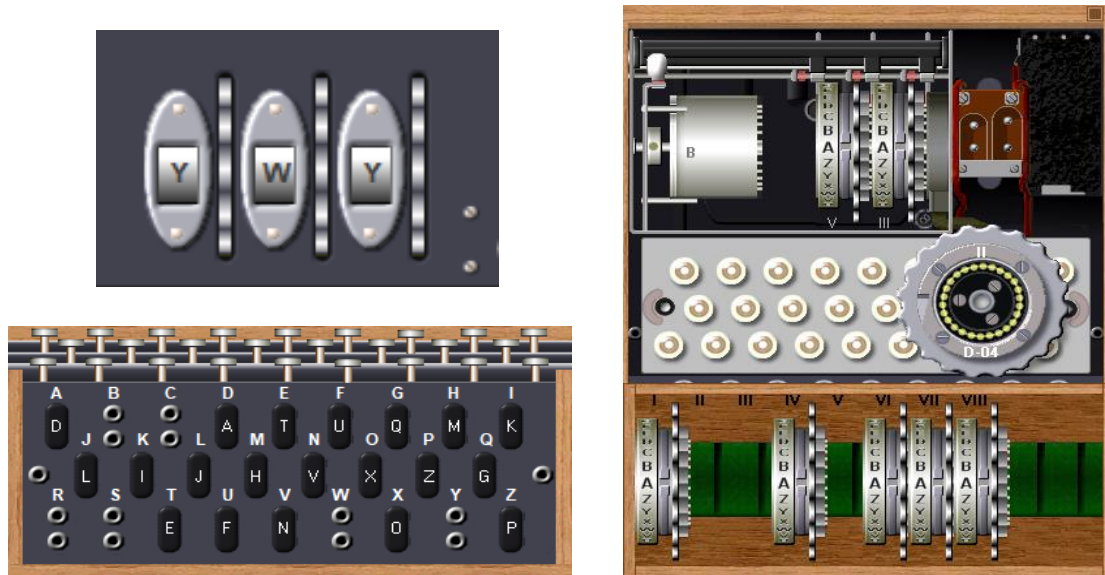
In this demonstration Example the Bombe finds 4 potential configurations

Stop = DKX
Stecker = Q

With the help of a Checking Machine, the menu Graph
and the Stecker Q we can identify the plug connections
on the Enigma and if the Stop is valid.

The Bombes had to check 60 different configurations of Rotors with the same configuration and in this case 2, 5 and 3 were used with a Ring Setting of D, K and X (4, 11 amd 24),

Cipher | S | N | M | K | G | G | S | T | Z | Z | U | G | A | R | L | V
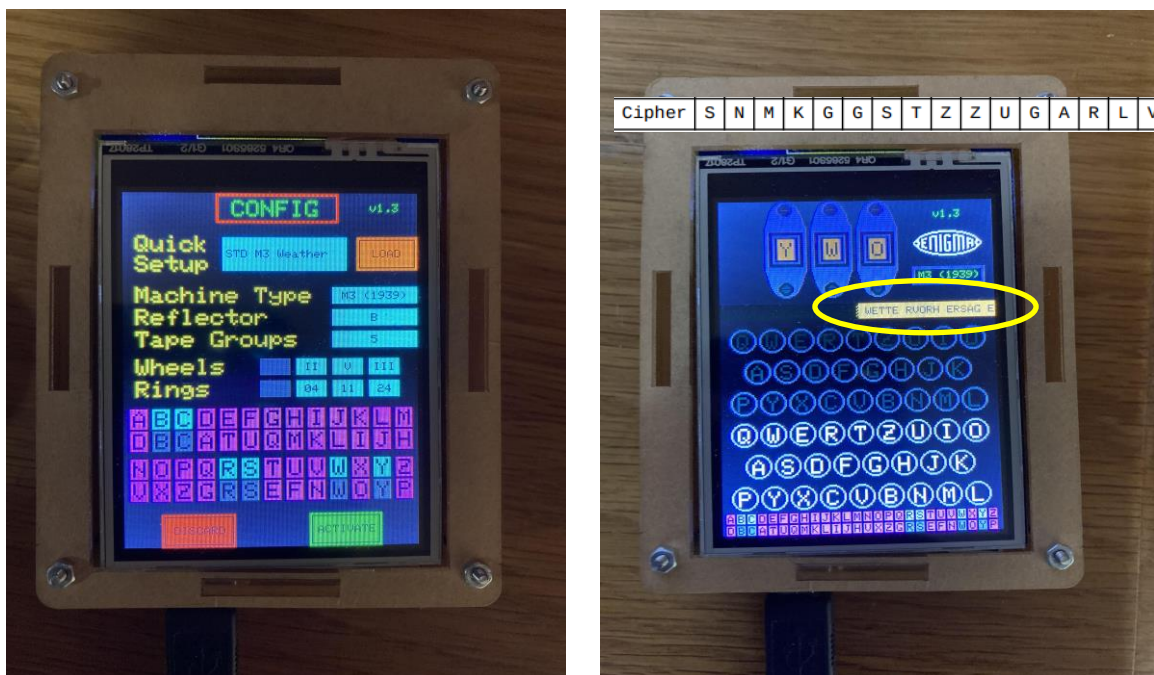
The Cipher decodes correctly to Wetter Vorhsage so if the Allies received a Weather Forecast Transmission early in the day, identified a crib and used the Bombe to workout an Enigma Configuration they could decode transmissions for the rest of the