Hello to all of my great Enigma World Code Group members and friends,

   Here's September's and October's Newsletter, just for some practice. Message #1 is not too hard. Message #2 is a little tougher. Message #3 will test you. The quotation is in-the-clear. This month's picture is, well, not a picture. It is a line drawing, but with an interesting twist. It really gave my neatly ordered Enigma world a shock! Maybe it will give yours a shock, too.

   I received an interesting email from a fellow named Richard Hudson who lives in Bavaria, southern Germany. He is writing a book about cybersecurity and hacking, but at a level and in a style that the average person can comfortably read and understand. The first chapter of the book deals with encryption, and it gives a detailed but non-technical account of how Enigma works and how the Bletchley Park team used it to break the code. You can read this first chapter for free on his website at https://cybertwists.com/enigma/. I have read the first chapter. I highly recommend it, especially for our EWCG members who have some trouble with English. Mr. Hudson writes clearly and understandably. He chooses his words carefully so that English learners will be able to follow the story with a minimum number of trips to the translation dictionary. Ordering information for the completed book is available.

Message #1

Let's use my U-571 codesheets, February 14, 1944.

1830   1tle   1tle   70   LYQ   QLY   **No Kenngruppen**. Begin decrypting with CZAWM.

CZAWM SWKWB GLFZE PBNYA GCRHL ETSRQ TNFTO CACQTLP KXXBJ FORLM FMXVD SZUQJ ZJXMR GAM

Message #2

Let's use my U-571 codesheets, February 17, 1944.

2045   1tle   1tle   254   BLE   STQ   **Kenngruppen in play.**

VAKBC BZTOX NAWEN JPUME WVDUN BEOZF ISROJ RUKMO PMJSEHQ XCUHW ZFRRS FQDII IQCEH YCVQH KTGWK RHMUS LLIBB YIBGB WISZN ZBLQB BSQAN UIHRX NDGTB IOUMG IIAAN KJAKC KVQZA WLWND LDHIW RKMRY DAPOT XYUJX YESXA QEEPG JKZQJ QOWHX GBZWL VEBVK KSTIS FVBGB ETKGD HYALP QSEQE MSWLS IIIVD UPZGR CXGWX GHUXB XIZAT DICNZ TYUOW IEMHN PZIAB IG

Message #3

BRU   2130   21   001   46   Kriegsmarine M4-UKW = B

FVMY RRSG FUPP KFRO HNJK QEVL JTXS SJYI JRHW AJWP GCIPO KRUW UXHN BREI QWOU KACI KRZQ YBDH WOAM FOQV SVDM QCXZ LHJX BNBJ PMRR JQAZ FVQC JHVS QLCJ FVQZ JDRC PABY GCVI THBE FHPC UUGD MYDX DCNDC ZGOP XWOA DTWS ZOYU TIHK FVMY RRSG

Quotation

When after many battles past,

Both tir'd with blows, make peace at last,

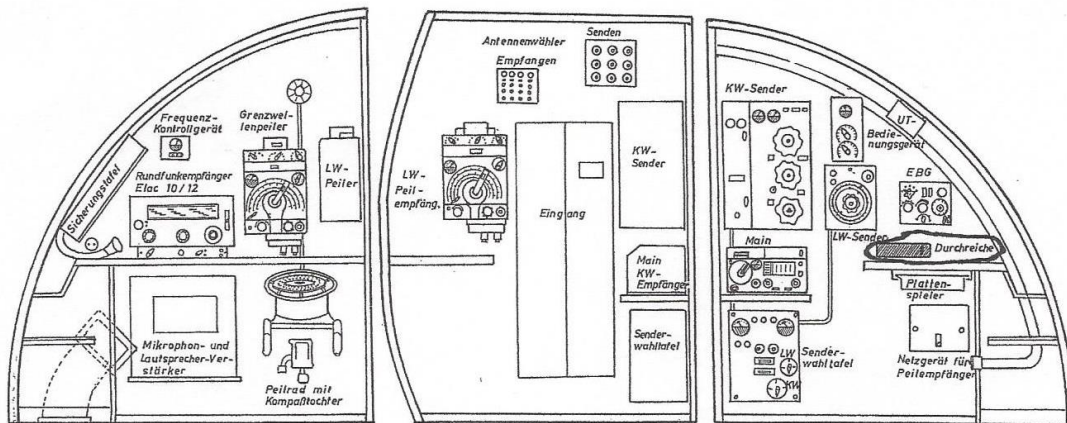What is it, after all, the people get?

Why! taxes, widows, wooden legs, and debt.
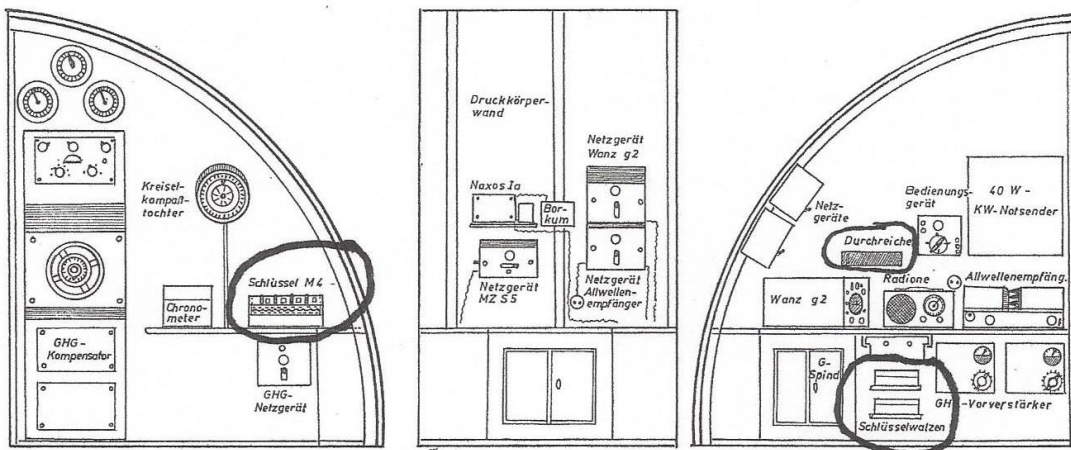
   Francis Moore

Line Drawing

These beautiful line drawings of the radio room (Funkraume, top) and the adjoining sound/listening room (Horchraum, bottom) of the U-231 came from prisoner interrogation reports of the U-boat's crew after it was sunk on January 13, 1944, and from other sources. There is a wealth of interesting Enigma information on these drawings, if you know where to look. I would like to thank my good friends, Paul Reuvers and Marc Simons, at http://www.cryptomuseum.com/ for their help and guidance in this section.

1. There is no Enigma machine in the radio room. Someone else must have decrypted or encrypted the Enigma messages, and the radioman simply handled the Morse coding of the letters of the text.
2. "Schlussel M4" is the Kriegsmarine 4-rotor Enigma machine—in the sound/listening room! At least in the U-231, a cypher clerk did most all of the decrypting and encrypting of Enigma messages here, not the radio operator in the radio room.
3. "Schlusselwalzen" refers to the Enigma rotors/code wheels. These boxes held the rotors that were not currently in use. The fact that there are two boxes in the drawing indicates that there were at least two Enigma machines on this U-boat.
4. In both drawings, locate the "Durchreiche." This is a pass-through slot between radio room and the adjoining sound/listening room. It is large enough to accommodate sheets of paper. It was through this slot that the cypher clerk in the sound/listening room and the radio operator in the radio room exchanged Enigma-encoded messages for transmission or decryption.

Einrichtung des Funkraumes von U 231 (Typ VII C) Anfang 1944

Einrichtung des Horchraums von U 231 (Typ VII C) Anfang 1944

Bis 1942 befand sich der Allwellenempfänger an der Rückwand und stand die Schlüsselmaschine an der Durchreiche.