

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

Here is our Newsletter for July and August, just to keep your skills sharp. Messages #1 is for our beginning members. Message #2 is designed only for our beginning and intermediate members who know how to use the "Auto Typing" feature, explained in the October, 2013, Newsletter. If you don't know how to use Auto Typing, now is the time to learn! Trying to decrypt Message #2 one letter at a time will take you hours. Using "Auto Typing," it will take you minutes. Message #3 is a re-do of last month's Message #3, which I goofed-up. Sorry, I'll try to do better this time. The quotation is in-the-clear. The photograph and caption are from my U-boat research friend, Jerry Mason, and are for Enigma beginners and experts alike.

### **Message #1**

Let's use my U-571 codesheets, March 9, 1944.

1830 1tle 1tle 80 HRQ JZL **No Kenngruppen**. Begin decrypting with FTFCU.

FTFCU BHCOP SNVVL EFOPA NVSSN WDQPI BVXMR KVJAV GLXLS ORYLX HWABQ DORDW RIADF

RDWRA WMXNB QXSCA

### **Message #2**

Let's use my U-571 codesheets, March 11, 1944.

2057 1tle 1tle 510 CTG YVO Kenngruppen in play.

QUFBC MGQEX CRBXF OVQFY IDLIZ QTMVL GCLGZ XWMXX GIBEMZK RIQJC VHOPI XGRGE KIXCO CBFRO  
WLPZS GSPDX WENBI ZIYWQ LVVUR NKGRY LZRKL MZLPE TSOTV TXSPC BFASI NRAIG LETAR XXNND  
GKCMH INLMU NNSOX PODHM HYGTH OVNNF LPOYM XLSUG YGBAM CUBPE GMXXG FYREX FXBNP  
UNHRF HUDZZ FQOHF HFHDM ZQFBF MYEUS WNOGW HYLXG HQASW MBBZT TJRWU PHXEI CZFDC  
LFEUZ TQEQU EPBSU VMTHY XCGFE PYLFQ WWSLI MPOYC WRKOW ZATOF KWWHH CSADV LIJE GHKUH  
IVLTU BEQWV XORYO PLXKO EALGI PGUIR DNYQU RQTIH CHDJY LTYTD PSVZP XJIYM FXUIC XCIYH KLNJD  
BVJZJ UBDUA DOXEE XJXGF YCSMK KTRUP LJYVK EUBBH MAYBX HWUEP SLCID ZAVLY SYDHL FMLJT  
WGSU VPNWL DAOZF LUYCP TCZRB XBGAY

### **Message #3**

BRU 2130 18 001 52 Kriegsmarine M4-UKW = C

ANUP PSLI YPHJ JRXB MMFN JGUG ROOM WPHR NVBE YAFQ LMQDR FHAN KEWI RMDR BMRS TNCM  
NIUH PLOU GERG WJXM XKZN MTFO LQXB LBDH FGVT LIQB XSJJ JDVL HBQX IQGC ZQYF FJMN FHXY  
HRQQ JSVZ LIME ACSE MBOX ZFSS UTRN LVTG LSRC RHQL YXUR RFEE HUTB SMDX CIET UZKQ LOPU BSKI  
JPWH RPOW N ANUP PSLI

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## Quotation

I have a rendezvous with Death

At some disputed barricade.

Alan Seeger

## Photograph

This Newsletter's photographs of an Enigma machine and the accompanying box of rotors (4 of 8 for Kriegsmarine, 3 of 5 for Wehrmacht), along with bullet points of Enigma facts and historical events, come from a Power Point presentation that my good friend, Jerry Mason, gave to a group of amateur radio operators not long ago. For a short, concise, yet fact-filled summary of Enigma, I don't think you can beat this slide. Great job, Jerry!

# Enigma Machine

- German Navy bought Enigma in 1926
- Keyboard with only 26 letters – no numbers
- 3 of 5 rotors were changed daily along with their ring settings and start positions (4 of 8 rotors after 1942) + 1 of two reflectors
- Each press of a key advanced the rotors 1 step
- Plugboard used 10 cables switching 20 of 26 letters
- Pressing a key sent a current through the plugboard – the rotors – the reflector – the rotors – plugboard and then lit a bulb



- In practice  $10^{23}$  possible key settings
- Naval Enigma remained unbroken until 1941 when the Short Signal weather code book was captured from U-110