

Dear Enigma World Code Group Friends,

Here is just a little practice to help keep you in fighting trim!

I have been asked by several members to remind everyone that Messages 1 and 2 are always set to use the default reflector (UKW or Umkehrwalze) setting: a capital letter B, unless otherwise noted. All you have to worry about is using the correct Roman Numeral rotor numbers in the correct order. The UKW "B" can be easily seen on the top of the reflector when the Enigma cover is open.

Message 1:

Let's use my U-571 code sheet, February (Februar) 8, 1944. **No Kenngruppen** is in use. Start decrypting with the letters "UHJCZ"

1830 1tle 1tle 95 LBE BLT

UHJCZ ZUEEB SJZFQ VMKMQ FLTUT JAEVH IFNBD LNMVB YZNA XAKZVIA IQPDU SOVFN EWUGZ TZOPK SFOTD
LCHSH RJHSP FNVUH WRE

Message 2:

Let's use my U-571 code sheet, February (Februar) 4, 1944. **A Kenngruppen is in use.**

1930 1tle 1tle 165 MEY RBO

NUMBC DZNZB ZAEZ ELZKI KDOFC GAVEU UJKAV OGXBWPZ SQICB KYHOO HNBTY SKYFA QNCXW PQJXL
VMRHC JYMDW RHDRB JCWGE RVNHV HMRHS HINAP LLGPA XWUSK LXDAW OYQVQ TLHNU IUKWW VIVWN
MQENQ PUEXP SLRYC QQTVI WIBAN

Message 3:

Kriegsmarine M4-UKW = B

BRU 2130 11 001 60

DIRI YMHL NLRX VCWE MSVM KKIO ORYL ZQDE BXGT GCGKB NKKP CTHC MCLM YWIO ZGYW ARKE MDDT GEAH
TRXY ZCXD KOKX JVQK EVTK JUQV LVTZ JLID IYLT WISS HZLA RZUY PSKQ QDPQ XMPT GOHW RALB UZBH RPQX
GNOF ZYGZ EVOV CXAO YSAX DNHQ TQNR UVCJ ZFEN GKYX UUEW MVVG TOBO FFZI VVUU EBYU IDAF PNEO
SGXH PTCO QBNT SYAX GQII DIRI YMHL

Quotation:

I want to see you shoot the way you shout. --Theodore Roosevelt

Photograph:

Well, it's sort of a photograph. If you have decrypted one of our Kriegsmarine 4-rotor messages, then you know what this is. If not, this is a replica segment of what is called a Bigram table, used in the process of encrypting and decrypting U-boat 4-rotor Enigma messages. The distinctive pink paper on which the Bigram tables were printed was water soluble so that it would basically disintegrate if it came into contact with water. If a U-boat were in danger of capture, the Bigram pages could be thrown into the bilge water of the boat and quickly destroyed.

A very good friend of mine, who shall remain nameless for security reasons, has the original copy of this Bigram table series. Paul and Marc at the Crypto Museum website have an excellent replica set of this Bigram series plus an interesting explanation about Bigram tables. Many thanks to my great buddy, Oscar Font, who so kindly provided me with such a beautiful replica set and cover folder of this complete Bigram table series that I could have sworn they were originals!

Prüf-Nr. 2499

Verschlüsseln und Entschlüsseln — Tafel D

DA = BS	EA = DW	FA = EZ	GA = FS	HA = GU	IA = FO	JA = DF	KA = HV	LA = CD	MA = EG
B = IH	B = TH	B = CP	B = ZD	B = TK	B = OO	B = NQ	B = FF	B = KZ	B = ZE
C = GJ	C = OM	C = PA	C = WY	C = AO	C = VG	C = SO	C = UE	C = QP	C = DR
D = TQ	D = IK	D = MJ	D = AM	D = ZC	D = BZ	D = BE	D = JS	D = FN	D = NO
E = ZX	E = QY	E = QR	E = MT	E = MM	E = ZH	E = NI	E = DS	E = UA	E = BJ
F = JA	F = AY	F = KB	F = PL	F = QK	F = RX	F = UM	F = NX	F = HQ	F = TG
G = HK	G = MA	G = WA	G = VI	G = EP	G = NS	G = AH	G = VY	G = RT	G = YO
H = VQ	H = NP	H = BY	H = ZO	H = JP	H = DB	H = GL	H = AB	H = ZM	H = IR
I = CH	I = TZ	I = JN	I = LP	I = SG	I = LU	I = WZ	I = OZ	I = AW	I = OB
J = LM	J = PF	J = HW	J = DC	J = XV	J = KT	J = QU	J = QA	J = YK	J = FD
K = YJ	K = SJ	K = NG	K = TX	K = DG	K = ED	K = EQ	K = GZ	K = JX	K = SS