

# Cryptanalysis of the Enigma Machine

*by Karl Zander*

*There are many myths in the cryptology field.*

## Summary:

It is my belief that the Nazi Enigma machine was constructed in a deliberate way leaving the letter A out. In other words each letter of the alphabet never encrypted to itself. The religious significance indicates that the word Allah was used in the construction of the machine. It was within the power of technology during the period of World War II to create a machine with a 5 letter key parameter, however, it may have offended the Axis' allies. This would indicate that the Enigma machine was meant to be broken and was a kind of mass surveillance cipher.

## Report:

It would indicate to me that the second known Erman key was the correct key to be able to unlock the secrets of Egypt during the World War II.

The word Allah encrypted under various keys:

URA  
AAA  
AAH  
ALL  
HAL  
HLA  
URM  
ERM  
MIN  
MAN  
EAR  
ZZZ

LGR  
NNN  
NUN  
NAN  
GGG  
HUT  
ANX  
CCC  
MAA  
AMN

CZE  
ABD

IEC  
DED  
DDD  
UUU  
AAA  
TTT

ORI  
APP  
PEP  
PAP  
PII  
GEB  
FFF  
HHH

LEP  
SIU  
SAA  
SSS  
SSH  
SIS  
CHM  
UDN  
SNN  
SSN  
SNA  
KYA  
ZAA  
ZAM  
ZAU  
ZAN

URA  
AJA  
ALL  
AHA  
SLT  
SAH  
NOC

It would indicate to me that the Nazi's used the Enigma machine technology to spread a spell over the European continent through banking. The banking industry heavily relied on the Enigma machine. In order to confirm precisely what the spell or spells were, I would have to operate a commercial model of the Enigma machine.

Keys listed above were possibly used as a trap to see which operator would use these keys or these keys were never used and potentially forbidden to use.

LEP SS 17

January 9<sup>th</sup> 1918

Arcturus-Spica-Mars-Regulus-Saturn-Pollux-Castor -Capella (Saturn-Neptune)

(Cancrids-Geminids-Leonids-Quadrantids)

Vega-Deneb

Algol+Mirach-Hamal-Alpheratz

Aldebran-Jupiter

Uranus-Venus

Mercury-Sun-Shaula

Moon-Antares

Altair

Deneb-Vega-Altair-Rasalhague

Berlin Germany - Distance from Moon January 9<sup>th</sup> 1918

0.002607 au 3900000 km

CD

February 23<sup>rd</sup> 1918

Venus-Capella-Mars

Leonids-Virginids-Arcturus

Vega-Altair-Venus

Bellatrix-Betelgeuse-Aldebran-Jupiter-Moon

Alcyone

There are two possibilities of motive of why Arthur Scherbius did not let A encrypt to itself or any other letter. It may be that he and other shared a similar belief system and saw a shape of a female deity in the sky.

The other possibility is that Germany and Egypt had an alliance based around star references.

Encryptions of the word Allah using the above key list:

JYHUM  
FONMK  
HCAJE  
PONS  
LOENN  
WDWSX  
NZXTJ  
HWNNK  
ZWDQS  
WIRPK  
PESQY  
TBHXR

GZIXN  
PVJFO  
WSQIO  
FRVCW  
MKMJX  
KGMWI  
SAVDG  
WVUFB  
GHBQJ  
JONMS

NYHFI  
BJIOC  
QXTWI  
WRONY  
TDTHX  
ONCGD  
FONMK  
GUDED

SMDJY  
YITJF  
NEDEFV  
JXJOP  
UQGD  
ICEZW  
NCFLC  
FJJUT

UEKKM  
ZUTJY  
XKGRR

LTRL  
WDFVO  
XSNXU  
WOFCP  
UMUEL  
LWWKY  
MJJHZ  
XEUMT  
LXDST  
NIOZY  
SWCQP  
ZHRPB  
UMBWO

JYHUM  
UNUGX  
PONS  
OPQPZ  
KNFJT  
EDACS  
TPROY