

TOP SECRET

83-669557

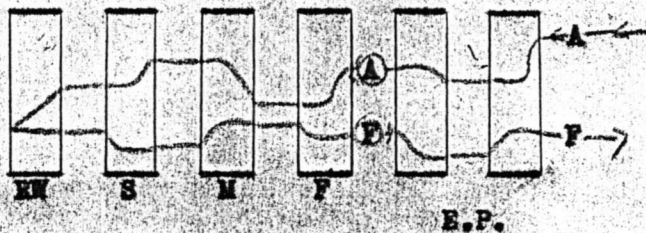
CRYPTOGRAPHIC DESCRIPTION

TYPE X MACHINE

1. 14 inserts (reversible) lettered A - N and AR - NR (28 inserts in all).
2. 7 hollow drums with:
  - a. Moveable Tyre.
  - b. Notched rim (4 notches spaced 7-6-7-6).
3. 7 inserts used for limited period of time.
  - a. 5 drums with proper inserts for period used daily (RO).
  - b. Tyre setting changed daily.
4. 2 drums on Right Never step (E.P.).
5. Pluggable RW. - Cannot be set.
6. 3 drums of cipher unit (to left). step as M-325; (cycle of machine 4,394).
7. Example of daily R.O. and rim settings:

	1	2	3	4	5
Rotor $\frac{1}{4}$	4	2	5	7	1
Rim Setting	R	M	V	S	O

8. Encipherment.



U.S. EYES ONLY

TOP SECRET

Do NOT Destroy. Return to the  
NSA Technical Library when no longer needed

~~SECRET~~ FHV

Copy No. 19

1-26

19 JANUARY 1944

W.O. 87 83 88 81 84R

T T V X S

STEPPED TO: T S U X S

338TH: T S U X A

676TH: T S U X I

Q C Y R F

STEPPED TO: P C X R G

338TH: P C X R O

676TH: P C X R W

1-4  
88-middle

20 JANUARY 1944

W.O. 89R 87 82 83 88

P L N D B

STEPPED TO: P L M C A

338TH: P L M C U

676TH: P L M C O

Y T D J H

STEPPED TO: Y T C J G

338TH: Y T C J A

676TH: Y T C J U

1-4  
0

21 JANUARY 1944

W.O. 80 83R 85R 86R 81R

R Q L D V

STEPPED TO: Q Q M E V

338TH: S Q M E R

676TH: U Q M E N

S P W R N

STEPPED TO: S P X R O

338TH: U P X R S

676TH: W P X R W

Y