

**DISPOSITION FORM**

FILE NO.

SUBJECT

Classification - Flicke Vol. 2

TO James H. Douglas, P/P FROM R.W.Pettengill NSA 18 DATE 21 April 54 COMMENT NO. 1  
 Regarding pages 77 to 80 of Part III of Flicke's War Secrets in the Ether I fail to see the force of the objection. Possibly you can use some of the following as ammunition:

Unclassified German Patents by the Manufacturers of the Enigma:

412582	25 Mar. 1924
425147	13 Feb. 1926
454392	24 July 1928
524754	15 May 1931
536556	24 Oct. 1931
541702	15 Jan. 1932
550796	20 May 1932
554421	3 July 1932
595075	5 April 1934
607638	4 Jan. 1935

[Photo copies held in NSA-18]

American patent - Enigma [in Tech Library C 1048] (File I.G.2747);

Ciphering Typewriter Enigma [in Tech Library C 1089]

Sales pamphlet in English with description, pictures and diagrams;

H. Rohrbach "Chiffrierverfahren der neuesten Zeit" from "Archiv der elektrischen Uebertragung", 1948, #2, pages 362-369. See page 364, Section 6 for the analysis of the principle of the Enigma. [Photo Tech Lib.C-3649]

H. Rohrbach Mathematische und maschinelle Methoden beim Chiffrieren und Dechiffrieren - in FIAT REVIEW OF GERMAN SCIENCE 1939-1946, Applied Mathematics, Part 1. Page 237 - "Machine Systems" tells of improved model in 1944; Page 239 - says that one study of the Enigma reduces it to a graph.

I feel sure there is other unclassified material somewhere in the agency but it hardly seems worth while to make further search.

Since we may be sure that our chief potential enemies have long since been in possession of such information as can be gleaned from pages 77 to 80, it would appear that the removal of those pages would merely serve to deny the information to members of our own services, the very ones whom General Duff desired to indoctrinate.

If you desire to borrow any of the foregoing, please contact Dr. Sanford or Dr. Theriault.

Approved for Release by NSA on 05-28-2014 pursuant to E.O. 13526

*R.W. Pettengill*  
R.W. Pettengill