

## Inventory (WFF files - Paul Williams)

Shelf 8143  
 Box 1  
 Y-61-28-1

Envelope 1 1919-37 201 file

- contains:
- ① paperwork associated with TOYS, and military activation status.
  - ② Coded MSGs, decrypted MSGs
  - ③ letter mentioning COMSEC procedures
  - ④ letter discussing a cipher machine
  - ⑤ invite from the War Dept for WFF to be a Subcommittee member.
  - ⑥ Military Thesis paper
  - ⑦ Mention of international regulations governing the exchange of coded telegrams
  - ⑧ Correspondence between WFF and the sig Corps regarding the development of codes-ciphers
  - ⑨ correspondence between Major Mauborgne and WFF regarding a position with the sig Corps.
  - ⑩ Mention of his heart condition as diagnosed by a military MD. and how it impacted on his continued employment at Riverbank

Envelope 2 1938-1942 201 file

1. Correspondence regarding Friedman's desire to patent and market a cipher device for children
2. paperwork on TOYS, bank deposits and the like
3. letters of appreciation for lecturing

Inventory of the material taken from Friedman's house by Coverdale, etc.

4. Correspondence regarding conference between WFF and Bell Labs, sub; : code production

Envelope 3 1943-1955 201 file

Contains ① correspondence relating to code prod. at Bell Labs, ~~and~~ the National Cash Register Co. Labs and RCA Labs

② IDV paperwork, Efficiency Rating, Job Position description, Personnel actions, Statement of Federal Service

## Inventory W.F.F. Files (Paul Melham)

- PENCIL)  
A # 2
- Friedman Files Y 61-28-2 Shelf 8143.
- 1) Envelope: From W.F.F. to C. Christian AG-NSG Records Dep.  
Pkg #1, W.F.F. # 304620)
- WWI  
Black Book)
- a) General Solution for the ADFGVX Cipher System. S.T.S.  
Wash: GPO, 1934.
- " "
- b) Statistical Methods in Cryptanalysis. Solomon Kullback.  
Wash: GPO, 1938.
- " "
- c) German military ciphers from February to November 1918. J.R. Childs. Wash: GPO, 1935. (2)
- " "
- d) Studies in German Diplomatic Codes Enciphered During the World War. Charles J. Mendelsohn.  
Wash: GPO, 1937.
- " "
- e) American Army Field Codes in the American Expeditionary Forces During the First World War.  
W.F.F. Wash: GPO, 1942.
- " "
- f) Field Codes Used by the German Army During the World War. W.F.F. Wash: GPO, 1935.
- 2) Envelope: Lecture Courts and notes. 364 cards.
- (Black Book)
- 3) Final Report of the Radio Intelligence Section, General Staff, General Headquarters, American Expeditionary Forces. Lt. Col. Frank Moorman. Wash: GPO, 1935.
- " "
- 4) Further Applications of the Principles of Indirect Symmetry of Position in Secondary Alphabets. Frank B. Rowlett. Wash: GPO, 1935.
- " "
- 5) The Principles of Indirect Symmetry of Position in Secondary Alphabets and their Application in the Solution of Polyalphabetic Substitution Ciphers. W.F.F. Wash: GPO, 1935.
- " "
- 6) Permutation Tables Involving a Feature of Non-transposability. Abraham Sinkov.  
Wash: GPO, 1934.
- " "
- 7) Notes on the Liaison Service and the Liaison Intelligence Service of the German Army During the World War. From Moorman's Final Report. 1935.

Box #1 cont'd

- 8) The contribution of the cryptographic Bureaus in the World War. Yves Gylden. Wash: GPO. 1935.
- 9) Basic Cryptologic Glossary. NSA. 1955
- 10) The Index of coincidence. NSA. 1955
- 11) Table of Binomial Distribution. ASA. 1946
- 12) Military cryptanalysis. Part I. WFF. Wash: GPO. 1942.
- 13) Appendix to Military cryptanalysis. Part I. ASA. 1946
- 14) Military cryptanalysis. Part I. WFF. Wash: GPO. 1938. 4 copies.
- 15) Military cryptanalysis. Part I. WFF. Wash: GPO. 1936. 2 copies.
- 16) Military cryptanalysis Part I. WFF and Lombard D. Callimahos. NSA. 1952.
- 17) Military cryptanalysis. Part II. WFF and L. D. Callimahos. NSA. 1955.

Inventory W.F.F. Sites (Paul Silkham)

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Friedman's Slide Files 1-61-28-3 Shelf 8143

*In Pencil:*  
 Box 4 Friedman's files Y-61-30-1 Shelf 8143 (Pencil box 4)

- Inventory (WFF files) (Paul Gilliam)
- a) final version of WFF Lecture no 1
  - b) " " " " " " 2
  - c) " " " " " " 3
  - d) Envelope: from WFF to Clyde Christian AG-NSA  
 Record dep.
    - 1) Introduction to cryptology: Lecture I, II, III.
    - 2) no. 3 Revised
    - 3) no. 4
    - 4) no. 4
    - 5) no. 5
    - 6) no. 6 1<sup>st</sup> draft
    - 7) no. 6 2<sup>nd</sup> draft
    - 8) no. 6 Final
  - e) Folder # 311 Army Extension courses:  
Subcourse - Military Cryptanalysis - Part I -  
Monoalphabetic Substitution Systems. 1936-57
  - f) Folder # 313 Army Extension courses:  
Subcourse - Military Cryptanalysis - Part II -  
 1937
  - g) Folder # 315 Army Extension Courses:  
Subcourse - Military Cryptanalysis - Part III -  
 1938-39
  - h) Folder # 559-2 Army Extension Courses  
 Special text no. 164 Advanced Military  
Cryptography, 1931 Edition - in pencil -  
original edition, WFF, Wash, 1931
  - i) Army Extension courses Special Text  
 no. 165 Elementary Military Cryptography  
 1935 ed. Wash: GPO 1935 (also 1943 ed.  
 (2 copies))
  - j) Army Extension courses Special Text  
 no. 166 - Advanced Military Cryptography.  
 1935 ed. Wash GPO, 1935 (3 copies) (also  
 1943 ed. (2 copies))

## Inventory W.F.F. files (Paul Milham)

in Pencil

3045

Friedman files Y-6130-2 Shelf #143

- 1) From W.F.F. to C. Christian AG-NSA Records Dep. Inside:
  - a) Statistics for Cryptology.
  - b) Military Cryptanalytics, Part I. by W.F.F. and L.D. Callinaches.
  - c) Military Cryptanalytics, Part II. W.F.F. and L.D.C.
- 2) Envelope: "Mr. Friedman's Hagelin file" and "personal".
- 3) Envelope: From W.F.F. to C. Christian AG-NSA Records Dep. PKG #3, W.F.F. # 30462 (3) (via courier) R/D -017 PKG #53-50. Inside:
  - a) Military cryptanalysis Part II
  - b) " " Part III
  - c) " " Part IV
- 4) Envelope: "John Hurt's Brochure: The Japanese Problem in the Signal Intelligence Service." Copy #1.

Black Book

5) The Zimmermann Telegram of January 16, 1917 and its Cryptographic Background. W.F.F. and Charles J. Mendelsohn. Wash: GPO, 1938.

6) "The Zimmermann Telegram" - lecture by W.F.F. before Crypto-Math Institute & Sept 1958. NSA.

7) Principles of Solution of Military Field Codes Used by the German Army 1917.

Black Book

8) Envelope: Pearl Harbor #2. W.F.F. Misc. Papers & Docs. re Pearl Harbor Attack.

Black Book

9) General Solution for the Double Transposition Cipher. Solomon Killback. Wash: GPO, 1934. 2 copies.

10) Analysis of Mechanical-Electrical Cryptograph. Part II. STS. Wash: GPO, 1935.

11) Envelope: RIF 98 Appendix II "American Measures Against Publicity".

12) Envelope: Hagelin file. In pencil: "Hagelin negotiations".

13) Envelope: Project Rand: "Is there a defense." Bernice Brodie.

- K) TM 32-220 Dept of Army Technical Manual -  
Basic Cryptography, April 1950
- L) Signal Corps Bulletin July + Sept 1937.  
No. 97. War Dept. OCSO.
- M) War Dept. OCSO. Articles on Cryptography  
and Cryptanalysis (reprinted from  
SC Bulletin). Wash: GPO, 1942
- N) Elements of Cryptanalysis. Training  
Pamphlet No 3: OCSO. May 1923. Wash: GPO,  
A24. by WFF.
- O) Division Field Code No. 4. 1922 (2 copies)
- P) 10 copies of Military Cryptanalysis Pt II
- Q) 7 copies of Military Cryptanalysis Pt III
- R) 4 copies of Military Cryptanalysis Pt IV



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Inventory CUFF files - Paul Gilliam

4-61-30-3 (Box #6)  
 (A metal Box)

A. Pearl Harbor #1

Miscellaneous Papers + documents on Pearl Harbor attack

B. #17 Certain aspects of "magic" in the Cryptological Background of the various official investigations into the attack on Pearl Harbor

C. 3 reels of recording tape  
 S(GL) 3109 (INT)

"Communications Intelligence and Security"  
 Col. Friedman

0930-1230, 11 Dec. 1958

Senior School, MCEC

MCS, Quantico, Va.

D. 3 reels of tape

"Communications Intelligence and Security"

Lt. Col. W.F. Friedman

26 April 1960

S(GL) 3109 INT(8)

MCS LOG # 000528

E. Lecture: "The Zimmermann Telegram"

F. Marine Corps Lecture Series

11 December 1958

Box 6 continued

- G) SCAMP folders I-VI (Special Committee for Advice on Mathematical Problems) (forerunner of Friedman Lectures<sup>Series</sup>)
- H) folder containing receipts for Friedman documents
- I) envelope containing keys for safe & instructions.
- J) SCAMP: working papers 1958
- K) Friedman's folder when he was NSA Consultant
- L) folder on NSA Advisory Board
- M) "Comint - Hard Facts in the Cold War"
- N) folder containing receipts
- O) Machine identification of words.
- P) Draft. lectures 1, 2, & 3 and a final copy.