

Talk before class

REF ID: A66391

of officers C & C Section
Wang Dept - Oct 19, 1945
11 AM - 12 M.

Talk on qualities necessary
for success in cryptanalysis.
Began by reading what
author says & wound up
with Hitt. Then added
my own as per reverse
side with examples.

Approved for Release
by NSA on 11-22-2013
pursuant to E.O. 13526

1. Perseverance

2 Careful method. of analysis

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3 Intuition

~~Intuition~~
Intuition
Over
Wheatstone

4 Luck

5 ast

Special qualities of mind ^{Nelson}

Experiences

Balanced & judgements $\left\{ \begin{array}{l} Dr. Bavin \\ Pitt \\ calling \\ new world \end{array} \right.$

Ability to hold a large number of factors in mind at once.

Good eye for form for repetitions especially in code.

In reply refer to initials
and No.

Op-20-G

NAVY DEPARTMENT
OFFICE OF CHIEF OF NAVAL OPERATIONS
WASHINGTON

EF

1 October 1925.

My dear Mr. Friedman:

The Code and Signal Section is conducting a course in Cryptanalysis. In connection with this course there will be a series of lectures based on the lectures for officers taking the Post Graduate Communications Course.

It would be much appreciated if you would give an informal lecture of one half hour to one hour on the subject "Cryptanalysis". If the time and date indicated in the accompanying "Outline" is not convenient, we would be glad to arrange for your lecture any time in the month of November. This request is being made a personal rather than official matter to save a lot of red tape.

Please let me know if you will give this lecture, and, if so, what date will be convenient.

Very truly yours,


D.J. Friedell.

Mr. W.F. Friedman,
Room 3416, Munitions Building,
Washington, D.C.

MEMORANDUM

#0 September 1925

OUTLINE OF COURSE IN ADVANCED CRYPTANALYSISMORNING PERIODS

(9.00-11.00 a/m. with lecture; 9.00-11/45 a.m. without lecture)

Week:	Date	Lt. Lee	Lt. (jg) Rocheport	Lt. (jg) Sherman	Lt. jg Kime
No. :	:	:	:	:	:
1	:Oct. 5-10	:Cipher Probs.	:Cipher Probs.	:Cipher Probs.	:Study
2	:Oct. 12-17	:Cipher Probs.	:Cipher Probs.	:Cipher Probs.	:Study
3	:Oct. 19-24	:Study	:Cipher Probs.	:Cipher Probs.	:Cipher Prob
4	:Oct. 26-31	:Cipher Probs.	:Study	:Study	:Cipher Prob
5	:Nov. 2-7	:Cipher Probs.	:Cipher Probs.	:Cipher Probs.	:Cipher Prob
6	:Nov. 9-14	:Study	:Navy Systems	:Study	:Navy System
7	:Nov. 16-21	:Navy Systems	:Study	:Navy Systems	:Study
8	:Nov. 23-28	:Study	:Research	:Code E-4	:Study
9	:Nov. 31-	:Code E-4	:Study	:Research	:Research
	Dec. 5				
10	:Dec. 7-12	:Research	:Code E-4	:Study	:Research
11	:Dec. 14-19	:Study	:Research	:Code E-4	:Research
12	:Dec. 21-	:Code E-4	:Study	:Research	:
	Jan. 2	:	:	:	:
13	:Jan. 4-9	:Research	:Code E-4	:Study	:
14	:Jan. 11-16	:Study	:Research	:Code E-4	:
15	:Jan. 18-23	:Code E-4	:Study	:Research	:
16	:Jan. 25-30	:Research	:Code E-4	:Study	:

LECTURE PERIODS

No.	Date	SUBJECT	
1	:Oct. 5	: Opening Address-"Communications"	Capt. McLean
2	:Oct. 6	: "The Code & Signal Section".	Lt. Comdr. Friedell.
3	:Oct. 7	: "Communications-War Plans-The Development of Reserve Operators".	Cmdr. Glassford
4	:Oct. 8	: "The Radio Compass System".	Lt. Parker.
5	:Oct. 9	: "Traffic".	Lt. Comdr. Raguet.
6	:Oct. 12	: "Communications in the Fleet".	Lt. Comdr. Tawresey.
7	:Oct. 13	: "The Washington System".	Lt. Comdr. Bieri.
8	:Oct. 14	: "Communication Office Organization and Problems"	Lt. Scott
9	:Oct. 15	: "Naval Intelligence".	Lt. Comdr. Lang or Lt. Comdr. McClaran
10	:Oct. 16	: "Radio Intelligence".	Major Milliken
11	:Oct. 19	: "Cryptanalysis"	Capt. Friedman
12	:Oct. 20	: "Codes and Ciphers"	Lt. Jones
13	:Oct. 21	: "Visual Signals".	Lt. Comdr. Comstock
14	:Oct. 22	: "Cables & Landlines of the World".	Mr. Whiton.
15	:Oct. 23	: "Commercial System & Commercial Accounting".	Lt. Comdr. Jersey.
16	:Oct. 26	: "Sound Signalling".	Lt. Phillips
17	:Oct. 27	: "Radio Security"	Lt. Safford
18	:Oct. 28	: "Radio Intelligence".	Lt. Safford
19	:Oct. 29	: "U. S. Navy Cryptographic Systems".	Lt. Safford

REMARKS

Lectures will begin at 11.00 a.m. and will be from thirty minutes to one hour in length. Lectures will be completed in the month of October.

AFTERNOON PERIODS

12.30 - 4.30 p.m.

Code Breaking - Attack on Naval Code E-4.

L. F. Safford

Approved:

Ridley McLean