

INAUTIVE DUTY INSTRUCTION CREDIT SLIP

REF ID: A66329

I request inative duty credit hours for the following:

- * ~~CONFERENCE~~
- * ~~MEMBER OF BOARD~~
- * ~~GROUP SCHOOL~~
- * ~~MEDICAL EXAMINATION~~

PLACE Washington, D. C. DATE October 1937

PRINT NAME IN FULL WILLIAM FREDERICK FRIEDMAN
 (First name) (Middle name) (Last name)

RANK LIEUT.-COL SIG A & S AG 39
 (Unit to which assigned) (Corps Area)

*- Delete words not applicable.

William F. Friedman
 (Signature of Reserve Officer)

Declassified and approved for release by NSA on 10-24-2013 pursuant to E.O. 13526

-----RESERVE OFFICERS DO NOT WRITE BELOW THIS LINE-----

** Appointment expires 11-2-41

** HOURS 2

** To be filled in by instructor under whose instruction was given.

FILE

Blaw
 Initials Instructor)

HEADQUARTERS 80th DIVISION, BROOKLYN, N.Y.
 NOTED - RECORDED - REPORTED FOR VA
 NO. 6. G. 31. 0A

SIG... H... DATE 12-23-37

~~CONFIDENTIAL~~

8

December 18, 1936

Lieut. Colonel S. B. Akin,
Signal Officer,
Panama Canal Department,
Quarry Heights, Canal Zone.

Dear Colonel Akin:

The delay in reporting on the various matters you asked me to look into has been occasioned by the fact that I was ordered up to Momouth on the machine affairs and lost about a week from the office. Then when I returned things had piled up. But now I can get this off and will try to cover every item.

Among the several matters I was to look into for you was the one concerning international agreements covering the use of radio frequencies in your area. I discussed this with Col. Crawford, telling him that our stations had been encountering interference from certain broadcasting stations there and that you wanted to know what could be done toward straightening out a somewhat difficult situation due to the increasing use of radio in that area.

His reply was that if you will notify the Chief Signal Officer of each and every case of interference or infraction of international regulations, giving the date, hour, assigned frequency and approximate operating frequency, he can take the matter up directly with the State Department for correction. This is a quite usual procedure. If you don't know or can't determine the assigned frequency, at least the approximate operating frequency should be furnished.

I hope this is along the lines of what you wanted me to convey in that matter.

Now as regards the information you wanted as to commercial communication facilities along the air routes from our east and west coasts to the Canal Zone, Colonel Crawford is going to get that for you and will send it directly to you. He said, however, that he hesitates to ask for the same data for air routes further south, because it would mean a good deal of work on the part of the people who would have to gather it - unless you have real need for the data now, in which case please let me know.

~~CONFIDENTIAL~~

As to the Navy Communication chart No. 2180 C, I have obtained two copies and have forwarded same under separate mailing tube.

You have no doubt by this time received a letter from The Adjutant General regarding the effective date of the new radio-telegraph and radiotelephone procedure. Apparently our radios got thee to see the matter in the proper light and they recognized the necessity for clarification. The letter followed as a result.

With regard to furnishing you with Cipher Devices Type M-138 and war reserve alphabet sets for emergency intra-department secret communication in case wire communication goes out, the feeling here is that it would be better to have the request initiated by the Department Commander. We have a few left but I doubt whether we could furnish 25 just now. Probably a dozen could be furnished without trouble. We are going ahead with plans for the production of a modified type and hope to get some by July or August, 1937.

I have communicated your idea regarding the desirability of making the transportation for the RI Detachment "special" in order to afford a good reason for withholding this transportation from the local pool.

In accordance with your request, I took up informally with Captain Back the matter of fencing in and fixing up the grounds around the Chiva Chiva and the Corozal radio stations. He considered the matter and then told me rather disappointing news. I asked him if he'd be good enough to write it up so I would not convey any misinformation to you and I enclose his remarks. Maybe there is some hope.

The small loose-leaf paper sheets you wanted me to get will be forwarded under separate cover in a day or so. I have not forgotten about same.

Another disappointing piece of news concerns the personnel situation for the RI detachment. You were to get a technical sergeant but a monkey wrench was thrown into the works as a result of a decision by the Chief of Staff making an immediate increase in special grades and ratings for the Air Corps. Consequently, no technical sergeancies can be furnished any of our RI detachments this fiscal year. Colonel Hinemon has hopes for next year and will certainly keep this in mind, he assures me. I hope this will not handicap you too severely, although I know the situation was bad enough before, without this additional loss.

The question of emergency methods of communication with Washington was raised by Dr. Sinkov. I find that according to our records there are in Panama already all necessary war reserve systems. Among this material is a pamphlet of instructions covering a system requiring nothing but pencil, paper and a keyword. Also, there is the Universal

Emergency Key with Cipher Device Type M-94. Will not the presence of this reserve material serve to answer the needs? If not, please let me have further details.

I talked with the Navy regarding a new Joint Aircraft Code and it seems that they are going to raise a question as to the real necessity for a separate joint code. They feel that perhaps this matter had best be reinvestigated in the light of the past three years experience before proceeding to draw up a new joint code.

The foregoing covers all the items you wished me to take up. If there are others or if you want additional notes on these, please write me.

In closing I want to thank you for the very flattering remarks contained in your official endorsement to the letter regarding my visit. I was much pleased. Also, I want to wish you all a Merry Christmas and a Happy New Year.

Sincerely yours,

William F. Friedman.

1 Enclosure

A. P. O. FORM 678

Travel of Mr. William F. Friedman
 Let's order war Dept
 Authority: the chief signal off. Order No. HO 10/10/36 193
 Passenger transportation T/R No. 10/14/36 Amount \$

Dependents reimbursement \$ _____
 Mileage or per diem P210-0600 \$ 120.65
 Procurement authority - FD 1423 A 085-7 noted D 9/10
 Paid: Dec 16/36 193
 Finance Office, U. S. Army, Washington, D. C.
 Accounts of E. C. Morton, Major, F. D.

FILE 300
 WR
 SIG. 309 DATE 1/8/37

A. F. O. FORM 678

Travel of William F. Friedman
 Letter Order, Office of

Authority: The Chief Signal Officer, 12/4/36 Order No. HQ 193

Passenger transportation T/R No. _____ Amount \$ _____

Dependents reimbursement \$ 16.40

Mileage or per diem \$ _____

Procurement authority - P 211-0600
 FD 14 68 A 085-Z 7

Paid: 12/17/36 193..... *DEB*

Finance Office, U. S. Army, Washington, D. C.
 Accounts of E. C. Morton, Major, F. D.



3932 Military Road, N.W.,
Washington, D. C.
December 8, 1937

SUBJECT: Preparation for obtaining certificate of capacity.

TO: Commanding General, Third Corps Area, U. S. Post Office
and Court House, Baltimore, Maryland.

1. According to the provisions of Par. 10a (6) of AR 140-38, the work necessary for promotion to the grade of Colonel in the cryptographic classification, signal reserve, will be as prescribed by the Chief Signal Officer. It is therefore requested that an outline of the work to be performed be submitted.

William F. Friedman,
Lt. Col., Signal Reserve.

201-Friedman, William Frederick
100 (78) (12-8-37)

1st Ind.

8.

HQ THIRD CORPS AREA, Baltimore, Md., December 13, 1937 - To: The Adjutant General., Washington, D. C.

It is requested that the scope of the examination be furnished.

For the Commanding General:

F. G. KELLOND,
Colonel, Infantry,
Acting Ass't. Adjutant General.

A. G. 201 (12-8-37) Res.
Friedman, William Frederick

2nd Ind.

MF-lwd-463

War Dept., A.G.O., December 15, 1937. To - The Chief Signal Officer.

OCSigO - 201 Friedman, William Frederick 3d Ind.
(12-8-37)

8

WD, OCSigO, Washington, January 21, 1938. To: The Adjutant General.

The Chief Signal Officer prescribes that a thesis, consisting of not less than 2000 words, on the subject "American Army Field Codes in the American Expeditionary Forces During the World War" constitute the military knowledge qualification referred to in basic communication.

For the Chief Signal Officer:

Dawson Olmstead,
Colonel, Signal Corps.
Executive.

(WR)

FILE
SIG. DATE

No copy of basic

November 30, 1937

MEMORANDUM TO: Mr. Rowe, Patents Section, Signal Corps.

Boardman's construction shows a friction drive used in conjunction with a switching device for the sole purpose of permitting manual adjustment by means of a knurled nut (page 2, column 1, line 28 of Boardman patent). He does not provide a means for continuously and irregularly varying the relation between the elements of the friction drive components of his invention.

Furthermore, Boardman, in his construction shows a friction drive, manually adjustable, for the selection of a given number of circuits (as shown in figures 9 and 10 of Boardman) out of a plurality of circuits. He does not show at any place construction permitting the variation of the time interval between successive circuits of a plurality of circuits.

William F. Friedman.

Frank B. Rowlett.

Office Chief Signal Officer
REF ID: A66329
Public Voucher for Reimbursement of Travel and Other Expenses
Including Per Diem

Voucher No. _____
No. _____

**GENERAL ACCOUNTING OFFICE
PREAUDIT**
Certified for payment in the
sum of \$ _____
By J. R. McCARL
*Comptroller General of
the United States.*

U. S. War Department, Office of Chief Signal Officer
FD 1282 (Department, Bureau, or Establishment) - 7
Appropriation: 2170410 TRAVEL OF THE ARMY 1937 \$16.40
THE UNITED STATES OF AMERICA
To William F. Friedman
Office of the Chief Signal Officer
(Address)
PAID BY _____
(For use of Paying Office)

Official Headquarters _____ Domicile _____ Residence _____
(For use of the Postal Service only)

FOR REIMBURSEMENT of travel and other expenses incurred in the discharge of official duty
from December 9, 1936, to December 11, 1936,
as per itemized statement within, under authority No. _____, dated _____, \$ _____

AMOUNT		NOTATIONS (Payee must not use this column)
Dollars	Cents	
<u>16</u>	<u>40</u>	<u>PAID</u>

(Additional statements by Department, Bureau, or Establishment, if deemed necessary)
(ACCOUNTING CLASSIFICATION)
(Payee will NOT use this space)
Differences _____
Account verified; correct for \$ _____
(Signature or initials) _____

OFFICE
CHIEF SIGNAL OFFICER
1936 DEC 19 - AM 9:01

MEMORANDUM

Cryptanalyst

Army Finance Office, Washington, D.C.
Date 12/17/36 Paid on Voucher No. 4730
Money Acct. in E.C. Office, Major, F.D.

Major, Signal Corps.

Paid by | Check No. _____, dated _____, 19____, for \$ 16.40 (on Treasurer of the United States in favor of payee named above)
Cash, \$ _____ on 12/17/36, 19____

ITEMIZED SCHEDULE OF TRAVEL AND OTHER EXPENSES

1. Give duty status on first day of voucher period:

* Arrived at Fort Monmouth, New Jersey on December 9, 19 36 for temporary duty for approximate period four days.

Approximate date of return to official headquarters December 11, 19 36.

2. State authorized allowance for per diem in lieu of subsistence: \$ 5.00 †

3. State authorized allowance for actual subsistence expenses: Not to exceed \$ _____ † per day.

* If authority provides for travel to more than one point, time of arrival and departure from each should be stated in the body of the account in chronological order.

† If more than one rate of allowance is authorized, full statement of application of each rate must be given in some convenient place on this voucher.

DATE IN 36	CHARACTER OF EXPENDITURE (To be itemized by the day and fully explained)	SUB- VOU. NO.	AMOUNT		NOTATIONS (Payee must not use this column)
			SUBSISTENCE	OTHER	
Dec. 9	Left Washington at 2:00 A.M.,				
	Arrived Fort Monmouth at 10:30 A.M.				
Dec. 11	Left Fort Monmouth at 1:40 P.M.				
	Arrived Washington at 6:45 P.M.				
	3 days @ \$5.00		15	00	
Dec. 9	Taxi home to station				70
Dec. 11	Taxi station to home				70

TOTALS (to be carried forward to Continuation Sheet, if necessary)

15 00 1 40

TOTAL AMOUNT OF VOUCHER (not to be used when totals are carried forward to Continuation Sheet)

\$16 40

Office, Chief Signal Officer
Public Voucher for Reimbursement of Travel and Other Expenses
Including Per Diem

Voucher No. _____
No. _____

GENERAL ACCOUNTING OFFICE
PREAUDIT

Certified for payment in the

sum of \$

J. R. McCARL,
Comptroller General of
the United States.

By _____

U. S. War Department, Signal Corps

Appropriation: **FD 1493 R 210-3600 A 0410-7**

2170410 TRAVEL OF THE ARMY 1937 \$120.65

THE UNITED STATES **W. F. Friedman**

To **Office of the Chief Signal Officer**

(Address)

PAID BY

(For use of Paying Office)

Official Headquarters _____

Domicile _____

Residence _____

(For use of the Postal Service only)

FOR REIMBURSEMENT of travel and other expenses incurred in the discharge of official duty

from **October 29, 1936** to **December 2, 1936**

as per itemized statement within, under authority No. _____, dated _____, \$ ~~120.90~~ **#12065**

AMOUNT

Dollars - Cents

NOTATIONS

(Payee must not use this column)

(Additional statements by Department, Bureau, or Establishment, if deemed necessary)

(ACCOUNTING CLASSIFICATION)

(Payee will NOT use this space)

Differences _____

Account verified; correct for. \$ _____

(Signature or initials)

Paid

Army Finance Office, Washington, D. C.
Date **2/16/36** Paid on _____
Money Acct of E. C. Morton, Major, S. I.

Army Finance Office, Washington, D. C.
Date _____ Paid on _____
Money Acct of E. C. Morton, Major, S. I.

Cryptanalyst, S. S. I.

MEMORANDUM

FILE 200
SIG DATE 12/18/36

Major, Signal Corps

Paid by Check No. _____, dated _____, 19____, for \$ **120.65** {on Treasurer of the United States in favor of payee named above
Cash, \$ _____, on _____, 19____

MEMORANDUM—DO NOT SIGN

W.F.

ITEMIZED SCHEDULE OF TRAVEL AND OTHER EXPENSES

1. Give duty status on first day of voucher period:

* Arrived at New York City on October 29, 1936for temporary duty for approximate period 35 daysApproximate date of return to official headquarters December 3, 1936

2. State authorized allowance for per diem in lieu of subsistence: \$ _____ †

3. State authorized allowance for actual subsistence expenses: Not to exceed \$ _____ † per day.

* If authority provides for travel to more than one point, time of arrival and departure from each should be stated in the body of the account in chronological order.

† If more than one rate of allowance is authorized, full statement of application of each rate must be given in some convenient place on this voucher.

DATE 19 <u>36</u>	CHARACTER OF EXPENDITURE (To be itemized by the day and fully explained)	SUB- VOU. NO.	AMOUNT		NOTATIONS (Payee must not use this column)
			SUBSISTENCE	OTHER	
Oct. 29	Left Washington, D. C. at 12:35 A.M.				
	Arrived New York at 7:00 A.M.				
Oct. 30	Left Army Base, Brooklyn, at 3:30 P.M.				
Nov. 6	Arrived Balboa, Canal Zone, at 6:15 P.M.				
Nov. 24	Left Balboa, Canal Zone, 10:00 A.M.				
Dec. 1	Arrived Brooklyn at 8:45 A.M.				
Dec. 2	Left New York at 1:30 P.M.				
Dec. 2	Arrived Washington at 5:45 P.M.				
	On authorized annual leave from 1:30 P.M., December 1, to 1:30 P.M., December 2.				
	8 ¹¹ / ₄ days @ \$5.00				
	17 ¹⁷ / ₄ days @ \$6.00				
			11.25		
			12.50		
			106.50		
Oct. 29	Taxi and trunk from home to station			1 10	
	Taxi from Subway Station, 59th St., to Army base at Brooklyn			35	
Dec. 1	Taxi from Army Base, Brooklyn, to New York			35	
Dec. 2	Taxi and trunk from station to home			1 10	

*117.75

~~119.00~~ \$ 2 90

TOTALS (to be carried forward to Continuation Sheet, if necessary)

TOTAL AMOUNT OF VOUCHER (not to be used when totals are carried forward to Continuation Sheet)

~~119.95~~ 120.65

201.-Friedman, William F. 1st Ind. 3
War Department, CCSigO, Washington, December 3, 1936. - To the Finance Officer,
U. S. Army, Washington, D. C.

Recommending settlement.

For the Chief Signal Officer:

Dawson Olmstead
Colonel, Signal Corps,
Executive.

EO

De Olmstead - a + re

	{	15	50
<i>P W</i>	{	106	50
<i>James de</i>		290	
	<hr/>		
		1216	90

FILE	<i>12/3</i>
SIG. <i>Kerr</i>	DATE

201-Friedman, William F.

October 31, 1936.

The American Security and Trust Company,
15th St. and New York Avenue, N. W.,
Washington, D. C.

Gentlemen:

At the request of William F. Friedman, an employee of this office, the Chief Signal Officer directs me to forward the inclosed salary Check No. 143,501, dated October 31, 1936, in the amount of \$233.33. It is requested that the check be deposited to the credit of Mr. Friedman's checking account.

It is the understanding of this office that Mr. Friedman has given your bank power of attorney to sign his checks.

It is requested that receipt of this check be acknowledged.

Very truly yours,

Edward Barnett,
Civilian Assistant.

2 Incls.
Check No. 143,501
Addressed envelope

American Security and Trust Company
Washington, D. C.

Edward Barnett
Asst. Treasurer

CHIEF SIGNAL OFFICER
1936 NOV 3 - AM 10:12

NOV 2 1936

FILE
SIG. *PKR* DATE 11/3/36

11
3
9
12

201-Friedman, William F.

5

November 16, 1936.

The American Security and Trust Company,
15th St. and New York Avenue, N. W.,
Washington, D. C.

Gentlemen:

At the request of William F. Friedman, an employee of this office, the Chief Signal Officer directs me to forward the inclosed salary Check No. 277,339, dated November 16, 1936, in the amount of \$233.33. It is requested that the check be deposited to the credit of Mr. Friedman's checking account.

It is the understanding of this office that Mr. Friedman has given your bank power of attorney to sign his checks.

It is requested that receipt of this check be acknowledged.

Very truly yours,

Edward Barnett,
Civilian Assistant.

2 Incls.

Check No. 277,339
Addressed envelope

NOV 17 1936

American Security and Trust Company
Washington, D. C.

RECEIVED
SIGNAL CORPS
NOV 18 1936

Edward Barnett
Asst. Treasurer

FILE

SIG. *RUR* DATE *11/18/36*

201-Friedman, William F.

3

November 30, 1936.

The American Security and Trust Company,
15th St. and New York Avenue, N. W.,
Washington, D. C.

Gentlemen:

At the request of William F. Friedman, an employee of this office, the Chief Signal Officer directs me to forward the inclosed salary Check No. 279,545, dated November 30, 1936, in the amount of \$233.33. It is requested that the check be deposited to the credit of Mr. Friedman's checking account.

It is the understanding of this office that Mr. Friedman has given your bank power of attorney to sign his checks.

It is requested that receipt of this check be acknowledged.

Very truly yours,

Edward Barnett,
Civilian Assistant.

2 Incls.

Check No. 279,545
Addressed envelope

OFFICE
CHIEF SIGNAL OFFICER

American Security and Trust Company
Washington, D. C.

1936 DEC - 2 - AM DEC 1 1936

W. F. Friedman
Asst. Treasurer *mfm*

FILE
SIG. *RWR* DAT. *12/2/36* WRL

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

8

October 24, 1936

MEMORANDUM TO: Civilian Personnel

mailed

It is requested that salary checks for October 31, November 15 and November 30 be mailed direct to the American Security and Trust Company, 15th St. and New York Avenue, N.W., with the direction that the checks be deposited to the credit of my checking account. This bank has power of attorney to sign my checks.

mailed

CHIEF SIGNAL OFFICER

1936 OCT -24- PM 12 13

William F. Friedman

William F. Friedman.

~~REF ID: A66829~~
~~CONFIDENTIAL~~

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER

Lw

8

WASHINGTON D C

DRAFT OF RADIOGRAM

TRANSMITTAL BY THE ADJUTANT GENERAL REQUESTED

For the Chief Signal Officer:

[Signature]
Dawson Olmstead, Colonel, Signal Corps.
Executive.

GOVERNMENT PRINTING OFFICE 3-10184

Sent as Radiogram No 7013. Sent in Confidential Code.	Paragraph No	Sent from OCSigO Date October 24, 1936. Received back	File No OCSigO 201 Friedman, W.F.
--	--------------	--	---

10-26-36 (LW)

Copies to be furnished
as noted

- OFF DIV
- MISC DIV
- ENL DIV
- PUB DIV
- EX DIV
- SEL SERV DIV
- W W DIV
- Q M G
- C OF ORD
- C OF E
- C SIG O
- C OF C W S
- S G
- C OF C A
- C OF F A
- I G
- J A G
- C OF CAV
- C OF INF
- C OF A C
- C OF FIN

TO

BUTNER

PANAMA

SIGNALS. IN CONNECTION WITH MISTER FRIEDMAN'S VISIT TO
 PANAMA IT IS DESIRED TO TEST CERTAIN NEW EQUIPMENT WHICH HE
 IS BRINGING WITH HIM STOP INFORMATION IS REQUESTED AS TO
 WHETHER OR NOT A SOURCE OF ONE HUNDRED TEN VOLT DIRECT CURRENT
 MAXIMUM INSTANTANEOUS THREE AMPERES IS OR CAN BE MADE AVAILABLE
 AT QUARRY HEIGHTS

[Handwritten signature]

1936 OCT - 27 AM 9

CHIEF SIGNAL OFFICER

O. K. S.
Cable Section

~~CONFIDENTIAL~~

IMMEDIATE ACTION

ON COPY #2 Panama Radiogram No 7478, 10-27-36

AG 201 - Friedman, W F.
(10-27-36)(Misc)

1st Ind.

ACV/mh

War Department, A G O , October 27, 1936 - To the Chief Signal Officer.

OCSigO 201-Friedman, W.F.
(10-27-36)

2d Ind.

8

WD, OCSigO, Washington, D. C., October 29, 1936 - To: The Adjutant General, Washington, D. C.

Noted and returned.

For the Chief Signal Officer:

SL
Haskell Allison,
Major, Signal Corps.

FILE FILE SIS
SIG. L. W. DATE 10/29/36

~~SECRET~~

Panama Number 7473. October 27th.

Signals. Source of power desired by Mr. Friedman is available. Request he also bring with him 3 complete copies of Correspondence Course 20-40.

BUTNER

~~SECRET~~

Return to - OFFICE OF THE CHIEF SIGNAL OFFICER
Public Voucher for Reimbursement of Travel and Other Expenses
Including Per Diem

Voucher No. _____
No. _____

GENERAL ACCOUNTING OFFICE
PREAUDIT
Certified for payment in the
sum of \$ _____
By J. R. McCARL
Comptroller General of
the United States.

U. S. War Department, Signal Corps
~~Base~~
(Department, Bureau, or Establishment)
Appropriation: FD 1468 P 211-0600 ~~4-665-7~~ \$18.75
2170410 ~~4-665-7~~ T. OF A. 1937 ✓ A 0410-7 ✓
THE UNITED STATES, Dr.,
To William F. Friedman
Office of Chief Signal Officer
(Address)

PAID BY

(For use of Paying Office)

Official Headquarters _____ Domicile _____ Residence _____
(For use of the Postal Service only)

FOR REIMBURSEMENT of travel and other expenses incurred in the discharge of official duty
from October 20, 1936, to October 23, 1936
as per itemized statement within, under authority No. _____, dated 10/19/36, \$ 18 75

AMOUNT		NOTATIONS (Payee must not use this column)
Dollars	Cents	
18	75	PAID

(Additional statements by Department, Bureau, or Establishment, if deemed necessary)

(ACCOUNTING CLASSIFICATION)

(Payee will NOT use this space)
Differences _____
Account verified; correct for \$ _____
(Signature or initials)

COPY

Army Finance Office, Washington, D. C.
Date 11/27/36 and on Voucher No. 1538
Money Acct. of E.C. Morton, Major, F.D.

(1538)

Cryptanalyst, S.S.L.

MEMORANDUM

FILE WRI
DATE 11/7
SIG. [Signature]

Major, Signal Corps

Paid by { Check No. _____, dated _____, 19____, for \$ _____ } on Treasurer of the United States
in favor of payee named above
Cash, \$ _____, on _____, 19____

ITEMIZED SCHEDULE OF TRAVEL AND OTHER EXPENSES

1. Give duty status on first day of voucher period:

* Arrived at Fort Monmouth, New Jersey on October 20, 1936
for temporary duty for approximate period 4 days

Approximate date of return to official headquarters October 24, 1936

2. State authorized allowance for per diem in lieu of subsistence: \$ 5.00 †

3. State authorized allowance for actual subsistence expenses: Not to exceed \$ _____ † per day.

* If authority provides for travel to more than one point; time of arrival and departure from each should be stated in the body of the account in chronological order.

† If more than one rate of allowance is authorized, full statement of application of each rate must be given in some convenient place on this voucher.

DATE 19 <u>36</u>	CHARACTER OF EXPENDITURE (To be itemized by the day and fully explained)	SUB- VOU. NO.	AMOUNT		NOTATIONS (Payee must not use this column)
			SUBSISTENCE	OTHER	
10/20	Left Washington, District of Columbia Line at 8:45 A.M.				
10/20	Arrived Fort Monmouth, New Jersey at 4:30 P.M.				
10/23	Left Fort Monmouth, New Jersey at 11:00 A.M.				
10/23	Arrived Washington, District of Columbia Line at 6:45 P.M.				
	Subsistence @ \$5.00 per diem for <u>3 1/2</u> days		18 75		
	Transportation was furnished by Captain Harrod G. Miller, Signal Corps Officer. Therefore, I am making no claim for transportation.				

TOTALS (to be carried forward to Continuation Sheet, if necessary)

TOTAL AMOUNT OF VOUCHER (not to be used when totals are carried forward to Continuation Sheet)

\$18 75 ✓

OFFICE OF THE QUARTERMASTER AGENT
U. S. A. T. "REPUBLIC"

November 5, 1936.
(Date)

SUBJECT: Disbursements Against Allocated Funds.

TO: THE CHIEF SIGNAL OFFICER, WASHINGTON, D.C.

1. In compliance with the provisions of paragraph 12, War Department Circular 36, dated September 11, 1934, report herewith disbursements against funds allocated to your office.

NAME OF TRAVELER OR PAYEE	PROCUREMENT AUTHORITY	TRAVEL ORDER NUMBER SOURCE and DATE	AMOUNT PAID
------------------------------	--------------------------	--	----------------

NEW YORK TO PANAMA

FRIEDMAN, William F.

F.D.1423 P210-0600 A 085-7

Ltr.WD,
10/14/36.

9.17

TOTAL:.....\$9.17

Friedman

FILE 206
SIG. *Joe* DATE 11/17/36

OFFICE
CHIEF SIGNAL OFFICER

NOV 9 14 AM '36

total 9.17

2. The above disbursements made on Voucher No. 11, Account Current for November 1936, of the undersigned.

James K. Hess
JAMES K. HESS,
Special Disbursing Agent.

REF ID:A66329
WAR DEPARTMENT
THE ADJUTANT GENERAL'S OFFICE
WASHINGTON

IN REPLY
REFER TO

AG 301 Friedman, William Frederick
(11-5-46)Res.

November 5, 1946.
doh 408

SUBJECT: Promotion

A Lt. Col., Sig-Res.
B None.

THROUGH: Commanding General, Third Corps Area.

TO: Major William Frederick Friedman, Sig-Res.,
3932 Military Road,
Washington, D. C.

1. By direction of the President you have been promoted, effective this date, to the grade and section in the Army of the United States, as shown after A above. You will not perform the duties of an officer in the advanced grade until specifically called to active duty status under competent orders.

2. A form for oath of office is inclosed herewith for prompt completion and return to the agency from which it was received by you. Upon receipt of the oath of office, properly executed, a commission evidencing this promotion will be issued. The execution and return of the required oath of office as indicated constitute an acceptance of this promotion. No other evidence of acceptance is required.

3. The amount of your prior active service in the grade to which promoted or any higher grade is shown after B above.

4. Please note paragraph sixteen of the inclosed memorandum of information. It is highly important that each Reserve officer promptly forward notice of changes in permanent address. Unless an officer can be communicated with when necessity arises, his services cannot be utilized and his commission ceases to be of value to him or to the Government.

By order of the Secretary of War:

2 Incls.
Form for oath.
Memorandum of Information.

H. B. LEWIS

Copy to:
Chief Signal Officer.

Adjutant General.

FILE	DATE
WRI	12-11-46
SIG...	HT...

(MWW)

RECEIVED AT THE WAR DEPARTMENT

THE SECRETARY OF WAR
DIRECTS ANSWERS TO THIS
RADIO AS FOLLOWS:

ADVISE WITHIN 12 HOURS
IF ANSWER IS UNNECESSARY.

IF ANSWER IS NOT SENT
WITHIN 7 DAYS, REASON
MUST BE STATED.

E. T. CONLEY

*Major General,
The Adjutant General.*

28-WVL.

XXXX Oct. 28, 1936.

9:00 A. M.

From Panama.

To The Adjutant General.

Copies furnished as noted:

CSO x

Panama Number 7479. October 27th.

x x x

Paragraph 2. For Signals. Your 7001, Para-
graph 1. Arrangements completed for messing, housing
and return transportation for Mr. Friedman.

x x x

BUTNER.

*noted
W37*

*201 Friedman
27/28*

W. J. ... 10/28/36

*C. Pers
1936*

Form 03 E. C. ... 29/36

FILE WRI
DATE

CHIEF
1936 OCT 28 P. 12 53

ROUTING and WORK SHEET

(To be used under provisions of Par. 41 6 b, Office Regulations, OCSigO, 1934.)

Number each Action	From	To	Memorandum	Initials and date
1	Civ Proc	S.S.S. NAT	To note.	10-28-36
2	WTBT	Civ Proc	Noted	<i>[Handwritten Signature]</i>

201.-Friedman, William F. 1st Ind. 3
War Department, OCSigO, Washington, October 27, 1936. - To the Finance Officer,
U. S. Army, Washington, D. C.

Recommending settlement.

For the Chief Signal Officer:

Dawson Olmstead
Colonel, Signal Corps,
Executive.

DO

Handwritten notes:
117 ...
120 ...
118 75

WRE
DATE

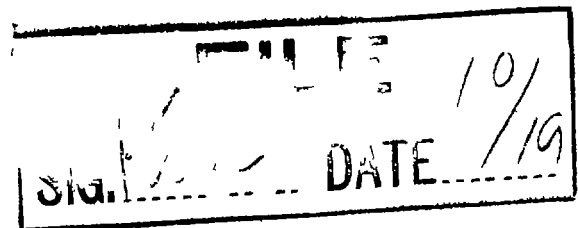
201.-Friedman, William F. 1st Ind. 3
War Department, OCSigO, Washington, October 19, 1936. - To William
F. Friedman, Cryptanalyst, S. S. L. (Thru the Officer in Charge, War
Plans and Training Division)

Care should be taken to comply with instructions contained
in foregoing letter and inclosed Circular of Information.

By order of the Chief Signal Officer:

Edward Barnett
Civilian Assistant.
EB

1 incl. - n/c



WAR DEPARTMENT

Office of The Quartermaster General

Washington

October 17, 1936.

SUBJECT: Transportation on an Army Transport.

TO Mr. William F. Friedman, THRU: Chief Signal Officer,
Washington, D. C.

1. Transportation is hereby authorized from Brooklyn, N. Y.,
to Panama for yourself on the Army transport REPUBLIC scheduled to sail
on October 30, 1936.

Usual Form

For The Quartermaster General:

T. J. WEED
Captain, QMC,
Assistant

COL.-Friedman, William V.

3

October 19, 1936.

Orders.

William V. Friedman, Cryptanalyst, C. I. L.
 (Thru the Officer in Charge, War Plans and Training Division)

1. Pursuant to authority of the Secretary of War dated October 19, 1936, you will proceed, by personally owned automobile, on or about October 20, 1936, from Washington, D. C., to Fort Monmouth, N. J., reporting on arrival to the Commanding Officer, that place, for temporary duty in connection with development of Signal Intelligence Equipment and upon completion thereof you will return to Washington, D. C. Travel and temporary duty will not exceed 5 days.

2. While enroute and on this duty you will be allowed a flat per diem of \$3.00, in lieu of subsistence, in accordance with provisions of existing regulations, chargeable to Procurement Authority PD 1468 P 211-0600 & 085-7. Voucher covering expenses should be submitted, in triplicate, to the Office of the Chief Signal Officer for certificate regarding availability of funds.

3. Travel in your personally owned automobile, with reimbursement at the rate of 4¢ a mile, is authorized as being more economical and more advantageous to the Government. Reimbursement for mileage is chargeable to procurement authority quoted above.

4. The travel directed herein is necessary in the military service.

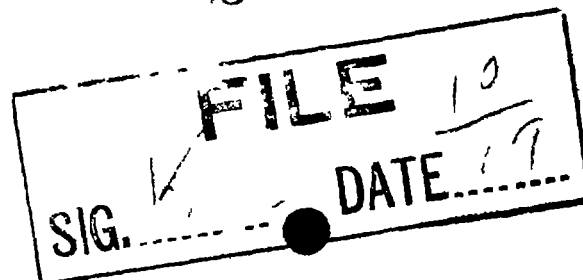
By order of the Chief Signal Officer:

Dawson Olmsted
 Colonel, Signal Corps,
 Executive.

AO

Copy sent.

C.O., Fort Monmouth



WAR DEPARTMENT
WASHINGTON

OFFICE OF THE CHIEF SIGNAL OFFICER

October 19, 1936.

(Bureau)

(Date)

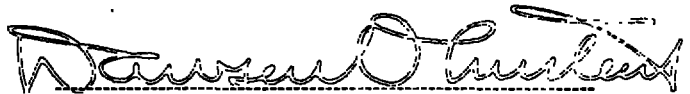
Subject: Travel order for civilian employee.

To: The Secretary of War.

- (1) It is recommended that this office be authorized to issue travel order as follows:
- (2) Name of employee: William F. Friedman
- (3) Designation: Cryptanalyst, S.S.L.,
- (4) To travel from Washington, D. C., to Fort Monmouth, N.J., and return.
- (5) Purpose of the trip: (To be stated fully.)
In connection with development of Signal Intelligence Equipment. (This travel is to be performed in personally owned automobile with reimbursement at the rate of 4¢ a mile, which method of transportation is more advantageous and more economical to the Government)
- (6) Is the travel requested absolutely necessary in the public service at this time and impracticable of postponement without detriment to the public service? Yes (Travel to commence October 20, 1936)
- (7) Probable duration and estimate of cost, including transportation, of the trip: 5 days - \$41.88
- (8) It is recommended that this employee be allowed, in lieu of subsistence, a flat per diem of \$5.00 while traveling and on the X temporary duty involved, in accordance with the provisions of existing regulations.
- (9) It is recommended that this employee be reimbursed for actual expenses of subsistence, not to exceed \$ per diem, in accordance with existing regulations.

For the Chief of Bureau:

Note: Check par. (8) or (9) according to the recommendation intended.



Dawson Olmstead,

Colonel, Signal Corps,

(Designation of signing official)
Executive.

WAR DEPARTMENT

Approved OCT 19 1936

F. M. Hoadley
Acting
U.S. GOVERNMENT PRINTING OFFICE: 1934

OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON, D. C.October 19, 1936.

(Date)

Serial No.

MEMORANDUM FOR: Executive Officer. (Thru Fiscal Division)

1. It is requested that travel orders be issued for:

- (a) Name: **William F. Friedman**
 (b) Designation: **Cryptanalyst, S. S. L.**
 (c) From: **Washington, D. C.**
 (d) To: **Fort Monmouth, N.J. and return**
 (e) Report to: **Commanding Officer, Fort Monmouth, N.J.**
 (f) Temporary duty or change of station: **Temporary duty**
 (g) Per diem authorized for **45** days.
 (h) Purpose: **In connection with Signal Intelligence activities**
EQUIPMENT
DEVELOPMENT

2. Cost of travel will be charged as follows:

(a) Reimbursement of travel expenses:

Allotment	⁵ 4 days at \$5.00	Estimated cost
	FD 1468 P 211-0600 A 085-7	\$20.00 25.00

(b) Transportation:

Allotment		Estimated cost
FD 1468 P 211-0600 A 085-7	422 mi @ 4¢	16.88

(c) Transportation of baggage or household goods (including packing and crating of household goods)

Allotment	Estimated cost
-----------	----------------

(d) Total estimated cost:

\$36.88

3. Funds are available for the payment of expenses incident to the travel requested herein.

4. Remarks: Travel to begin on or about October 20, 1936. It is requested that travel by privately owned automobile be authorized, such travel being more economical and advantageous to the United States than travel by rail or other common carrier.

APPROVED

Executive Officer.

10/19

CHARGED TO
<u>FD 1468</u>
TRAVEL PROJEC.
Fiscal Division
By <i>JPC</i>

W. S. Rumbough
 W. S. Rumbough,
 Major, Signal Corps.

201.-Friedman, William F.

3

October 14, 1936.

Water Transportation.

The Quartermaster General.

With reference to informal request for transportation for William F. Friedman, Cryptanalyst, Signal Service at Large, from New York, N. Y., to Quarry Heights, C. Z., on transport scheduled to sail October 30, 1936, there are inclosed two copies of orders issued Mr. Friedman for temporary duty in Panama.

For the Chief Signal Officer:

Dawson Olmstead
Colonel, Signal Corps,
Executive.

40

1 incl. in dup.
Cy. orders

FILE	0
SIG. <i>lv</i>	DATE <i>14</i>

WAR DEPARTMENT

OFFICE OF THE CHIEF SIGNAL OFFICER

WASHINGTON D C

DRAFT OF RADIOGRAM

TRANSMITTAL BY THE ADJUTANT GENERAL REQUESTED
For the Chief Signal Officer.Dawson Olmstead,
Colonel, Signal Corps,Executive.
U.S. GOVERNMENT PRINTING OFFICE: 1931 3-10164

Sent as Radiogram No 7001 Sent 10-13-36.	Paragraph No 1	Sent from OCSigO Date October 12, 1936. Received back	File No 201 - Friedman, Wm. F.
--	----------------	---	-----------------------------------

Copies to be furnished
as noted

OFF DIV
MISC DIV
ENL DIV
PUB DIV
EX DIV
SEL SERV DIV
W W DIV
Q M G
C OF ORD
C OF E
C SIG O
C OF C W S
S G
C OF C A.
C OF F A.
I G
J A G
C OF CAV.
C OF INF
C OF A C
C OF FIN

TO

BUTNER

PANAMA

SIGNALS. REQUEST SPACE BE RESERVED ON TRANSPORT CHATEAU
THIRTY SAILING FROM PANAMA FOR NEW YORK NOVEMBER TWENTY
FIFTH FOR WILLIAM F FRIEDMAN CRYPTANALYST SIGNAL SERVICE
LARGE WHO WILL BE ON TEMPORARY DUTY YOUR DEPARTMENT FROM
NOVEMBER FIFTH CONNECTION SIGNAL INTELLIGENCE FOR THE
ARMY

4/3

C 1000 -
To Suburban "10/16

Dated 10/14/36

OFFICE OF THE CHIEF SIGNAL OFFICER

For the Chief Signal Officer.

Dawson Olmstead,
Colonel, Signal Corps,
Executive.

OCSigO 201 -
October 12, 1936. Friedman, Wm. F.

7001

121.1

10-12-36

BUTNER

PANAMA

SIGNALS. REQUEST SPACE BE RESERVED ON TRANSPORT CHATEAU
THIERRY SAILING FROM PANAMA FOR NEW YORK NOVEMBER TWENTY
FIFTH FOR WILLIAM F FRIEDMAN CRYPTANALYST SIGNAL SERVICE
LARGE WHO WILL BE ON TEMPORARY DUTY YOUR DEPARTMENT FROM
NOVEMBER FIFTH CONNECTION SIGNAL INTELLIGENCE FOR THE
ARMY

IN REPLY REFER TO

WAR DEPARTMENT
 OCSigO 201 Friedman, W. F. OFFICE OF THE CHIEF SIGNAL OFFICER
 WASHINGTON

October 9, 1936.

Subject: Visit of Mr. William F. Friedman to Panama.

To: Signal Officer, Panama Canal Department.

1. It is contemplated sending Mr. Friedman, cryptanalyst of this office, to Panama on the transport sailing from New York on October 30, 1936 for a period of about twenty (20) days in connection with Signal Intelligence, Radio Intelligence and Communication Security in Panama.
2. The object in sending Mr. Friedman to Panama is for him to make a study of the above listed subjects with a view of assisting you in solving any problems you may have in connection therewith, and to formulate plans for increasing the efficiency of the Signal Intelligence Service of the Army.

By order of the Chief Signal Officer:



Dawson Olmstead,
 Colonel, Signal Corps,
 Executive.

SO 201-Friedman, W.F.

1st Ind.

Hq. P.C.Dept., O.Sig.O., Quarry Heights, C.Z., December 2, 1936. - To:
 The Chief Signal Officer, Washington, D.C.

The Department Commander has directed that I express his appreciation for the loan of Mr. Friedman. He feels that Mr. Friedman's services in connection with the solution of the Signal Intelligence and Communication Security problems of this Department have been invaluable.

Mr. Friedman has noted 1st Ind

File 17/15/36

WFR
 WFR

OFFICE
 CHIEF SIGNAL OFFICER

1936 DEC - 14 - AM 10:29

S. B. AKIN
 S. B. AKIN,
 Lieut-Col., Signal Corps,
 Dept. Signal Officer.

IN REPLY REFER TO

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

201-Friedman, William F.

July 31, 1936.

3

Subject: Salary Check.

To: Mr. William F. Friedman, 3932 Military Road, N. W.,
Washington, D. C.

1. Inclosed is Check No. 122,366 in the amount of \$233.33 covering salary due you for the period July 16 to 31, 1936.
 2. Please acknowledge receipt by indorsement hereon.
- By order of the Chief Signal Officer.

Edward Barnett
Edward Barnett,
Civilian Assistant.

2 Incls.
Check No. 122,366
Addressed envelope

*Receipt of above-mentioned check is
acknowledged.*

Aug 1, 1936 *William F. Friedman*

CHIEF SIGNAL OFFICER

REC AUG - 3 - PM 3:13

FILE

SIG. *Kur* DATE *8/3*

Public Voucher for Reimbursement of Travel and Other Expenses
Including Per Diem

Voucher No. _____
No. _____

GENERAL ACCOUNTING OFFICE
PREAUDIT

Certified for payment in the
sum of \$ _____

J. R. McCARL,
Comptroller General of
the United States.

By _____

U. S. War Department, Office of Chief Signal Officer

Appropriation: FD 1468 P 211-0600 A 0210-B
2180410 - Travel of the Army, 1938.

THE UNITED STATES, Dr.,

To: William F. Friedman (Payee)

Office of Chief Signal Officer, War Dept., Domicile Washington, D. C. Residence _____

Official Headquarters _____

PAID BY

(For use of Paying Office)

FOR REIMBURSEMENT of travel and other expenses incurred in the discharge of official duty

from September 28, 1937, to September 30, 1937,
as per itemized statement within, under authority No. DCSigO, dated Sept. 25, 1937, \$ _____

AMOUNT		NOTATIONS (Payee must not use this column)
Dollars	Cents	
		<u>\$ 8.90</u>

(Additional statements by Department, Bureau, or Establishment, if deemed necessary)

(ACCOUNTING CLASSIFICATION)

(Payee will NOT use this space)

Differences _____

Account verified; correct for \$ _____

(Signature or initials) _____

Army Finance Office, Washington, D. C.
Date 10/5/37 Paid on Vou. No. 4769
Money Acct. of E.C. Morton, Major, P.D.

MEMORANDUM

RECEIVED
OCT 19 8 56 AM '37
OFFICE OF THE
CHIEF SIGNAL OFFICER

notes 2/13

Paid by { Check No. _____, dated FILE 1937, for \$ _____ } on Treasurer of the United States in favor of payee named above
Cash, \$ _____, on _____, 1937

SIG BC DATE 10/20/37

MEMORANDUM—DO NOT SIGN

ITEMIZED SCHEDULE OF TRAVEL AND OTHER EXPENSES

1. Give duty status on first day of voucher period:

* Arrived at Fort Monmouth, New Jersey on September 29, 1937
 for temporary duty period two days
 Approximate date of return to official headquarters September 30, 1937

2. State authorized allowance for per diem in lieu of subsistence: September 30, 1937

3. State authorized allowance for actual subsistence expenses: Not to exceed \$ 5.00 † per day.

* If authority provides for travel to more than one point, time of arrival and departure from each should be stated in the body of the account in chronological order.

† If more than one rate of allowance is authorized, full statement of application of each rate must be given in some convenient place on this voucher.

DATE 19 <u>37</u>	CHARACTER OF EXPENDITURE (To be itemized by the day and fully explained)	SUB- VOU. NO.	AMOUNT		NOTATIONS (Payee must not use this column)
			SUBSISTENCE	OTHER	
Sept. 28	Left Washington, D. C. at 12:30 a.m. ✓				
	arrived New York City 7:30 a.m. ✓				
Sept. 29	Left New York City 7:40 p.m. ✓				
	Arrived Fort Monmouth, N. J., 9:30 p.m. ✓				
Sept. 30	Left Fort Monmouth, N. J., 4:30 p.m. ✓				
	Arrived Washington, D. C., 10:55 p.m. ✓				
	Sept. 28. Taxi from home to railroad station			70	✓
	Sept. 30 Taxi from station to home			70	✓
	<u>1 1/2</u> ✓ 2 3/4 days @ \$5.00 per day.			75	<u>\$7.50</u>
	On authorized annual leave from Sept. 28, 8:45 a.m. to Sept. 29, 4:15 p.m.				
	The supplies and services to be obtained by this instrument are authorized by me for the procurement authority of which is sufficient to cover cost of same.				
	FD 1468 P 211-16006-0410-8				

TOTALS (to be carried forward to Continuation Sheet, if necessary)

7 50
~~8 75~~ 1 40 ✓

TOTAL AMOUNT OF VOUCHER (not to be used when totals are carried forward to Continuation Sheet)

~~10 15~~ 8.90

October 19, 1936

Data re transportation.

Superintendent, Army Transport Service,
New York Port of Embarkation,
58th Street and 1st Avenue,
Brooklyn, New York.

1. In accordance with Par. 2, subpar. b of "Circular of Information", the following data are submitted:

Friedman, Mr. William F.; Principal Cryptanalyst and Chief of Signal Intelligence Service, Office of the Chief Signal Officer, Washington; notify in emergency Mrs. William F. Friedman, wife, 3932 Military Road, Washington, D. C.; transportation authorized on U.S.A.T. "Republic", sailing October 30, 1936.

William F. Friedman

A. F. O. FORM 678

Travel of Mr. William F. Friedman,
 Letter Order, Office of
 Authority: Order No. HQ 193
 Chief Signal Officer, Sept. 25, 1937
 Passenger transportation T/R No. Amount \$
 Dependents reimbursement \$
 Mileage or per diem P 211-0600 \$ 8.90
 Procurement authority - FD 14 68 A 085 ~~X~~ 8
 Paid: 10/15/37 193..... *noted D 213*
 Finance Office, U. S. Army, Washington, D. C.
 Accounts of E. C. Morton, Major, F. D.

FILE 201.
 SIG. *JS* DATE *10/21/37*

201 Friedman, Wm. F.

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

October 8, 1937

Mr. C. O. Pancake,
Guaranty Trust Company of New York,
140 Broadway,
New York, N. Y.

Dear Mr. Pancake:

Receipt is acknowledged of your letter dated October 4, 1937 relative to the participation of Lt. Col. William F. Friedman, Sig. Res., as a member of the United States delegation to the International Telephone and Telegraph Convention at Cairo in February, 1938.

I concur in your opinion that Lt. Col. Friedman is an outstanding man on the subject of code language and that his services at the convention would be very valuable. There is, however, a dominant factor at present which in my opinion far outweighs any possible usefulness at Cairo. The length of time he would be required to be absent from his duties here, coupled with the relatively small primary interest the Army might have in the proceedings in question, leads me to the conclusion that it would be inadvisable for the War Department to authorize Lt. Col. Friedman's attendance at the Cairo Conference even if requested by the State Department.

Very truly yours,

J. O. Mauborgne,
Major General,
Chief Signal Officer of the Army.

X 336.6 - "Cairo"

FILE

SIG 7 10 DATE 10/8/37

IN REPLY
REFER TO

OCSigO 336.6 Cairo

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

11

October 7, 1937.

MEMORANDUM FOR: Executive Officer.

Attached is a tentative draft of a letter to Mr. Pancake.

When the possibility of Mr. Friedman's attendance at Cairo first came up I contacted Mr. DeWolf of the State Department, -- who handles this work, -- and was informed that a 25% cut in appropriations for Cairo limited the attendance of Army representatives to one man. Since there will be simultaneous conventions at Cairo on International Radio and International Telephone and Telegraph matters, it was agreed in this office that the latter should receive secondary consideration and that if Mr. Friedman should be authorized to attend it would be as a State Department or Department of Commerce representative, rather than Army.

D. M. Crawford
D. M. Crawford,
Lt. Col., Signal Corps.

RECEIVED
OCT 9 9 40 AM '37
OFFICE OF THE
CHIEF SIGNAL OFFICER

Attached:
Draft of let.
to Mr. Pancake.

Guaranty Trust Company of New York
One Hundred Forty Broadway
New York, N. Y.

October 4, 1937

General J. O. Mauborgne,
Chief Signal Officer,
Munitions Building,
Washington, D. C.

Dear Sir:

On behalf of some 5,000 American business firms who make heavy use of international communications services, I am making a trip to the Cairo Convention of the International Telecommunications Union, as a member of the delegation of the International Chamber of Commerce. Because of the importance of questions on the agenda of this Conference, some of which suggest increase in rates for code messages as high as 16-2/3 per cent, I should like to see an American delegation with the best technical advice available participating. To this end I have addressed the Honorable Frank R. McNinch, the new Chairman of the Federal Communications Commission, and the Honorable Daniel C. Roper, Secretary of Commerce, suggesting that Col. William F. Friedman of your Department be given a place on the American delegation. In my opinion Col. Friedman is the foremost American authority on the subject of code language and has followed this particular subject from its introduction at the Paris Conference in 1925 up to the present time. I think it would be a distinct loss both to American business and the Government if he were not a member of the Cairo delegation.

I am addressing you with the hope that if his official duties permit, and an appointment is offered, he will be allowed to accept. Col. Friedman was Secretary to the American delegation at Brussels in 1928, and at Madrid in 1932. I attended both these conferences on behalf of American business, and it is with the knowledge of his ability so gained that I feel justified in making this request.

Yours very truly,



C. O. Pancake

✓
SOL-Friedman, William F.

1st Inf.

3

War Department, COSigO, Washington, October 6, 1937. To the Finance Officer,
U. S. Army, Munitions Building, Washington, D. C.

Recommending settlement.

For the Chief Signal Officer.

Duncan Olmstead,
Colonel, Signal Corps,
Executive.

W/O

3 Incls.

Auth. SecWar in dup.
Orders in dup.
Trans. Certf. in dup.

Voucher covering travel to Fort Monmouth, N.J., and return to
Washington, D.C., Sept. 28 to 30, 1937 - 1-3/4 days @ \$5.00 \$8.75

Two taxi fares @ \$.70	1.40
	<u>\$10.15</u>

On leave Sept. 28 to 4 15 Sept. 29, 1937.

FILE	
SIG. <i>RW</i>	DATE <i>10/6/37</i>

REF ID: A66329
ROUTING AND WORK SHEET

(To be used under provisions of Par. 41, 6 b, Office Regulations, CSig, 1934)

Number each Action	From	To	Memorandum	Initials and date
1	Per: [unclear]	[unclear]	Unused transportation request will have to be cancelled by 2. M. C. Voucher should be certified to [unclear] for [unclear] [unclear]	10-4-37 [unclear]
2	[unclear]	Maj. [unclear]	Action	10/4/37 [unclear]
3	[unclear]	[unclear]	Voucher certified	[unclear]
4	[unclear]	[unclear]	Unused transportation request will be cancelled by 2. M. C.	[unclear] 10-4-37
5	[unclear]	[unclear]	Unused portion has been cancelled.	W. J. J. 10/5/37

OCSigO-201-Friedman, William Frederick
(9-14-37)Res.

September 14, 1937.

Assignment and Classification.

Through: The Commanding General, Third Corps Area.

Lt.Col. William Frederick Friedman, Sig-Res.,
3932 Military Road,
Washington, D. C.

1. Under the current War Department Mobilisation Plan for the Signal Corps Branch Overhead (Arm and Service Assignment Group), you have been assigned to the Signal Intelligence Division, Office of the Chief Signal Officer, Washington, D. C.
2. Under the provisions of paragraph 3, Army Regulations 140-38, you have been placed in the "Cryptographic" classification.
3. This communication supersedes any previous notification of assignment and classification.

By order of the Acting Chief Signal Officer:

W. S. Rumbough,
Major, Signal Corps.

FILE

DATE 9 4-37

G

OCSigO-201-Friedman, William Frederick (8-14-37)Res.

1st Ind.

6

War Department, OCSigO., August 17, 1937 - To: The Adjutant General.

1. It is recommended that orders be issued directing the assignment to active duty from August 23, 1937 to September 5, 1937, both dates inclusive, of Lieutenant Colonel William Frederick Friedman, Signal Corps Reserve (O-166764), 3982 Military Road, Washington, D. C., (Arm and Service Assignment Group), and that he be directed to proceed to Fort Devens, Massachusetts, reporting in person upon arrival to the Commanding General, First Army, for training with the First Army CPX, and upon conclusion to return to his home and inactive status.

2. In connection with the ordering to active duty of Signal Corps Reserve officers of the Arm and Service Assignment Group with the First Army CPX at Fort Devens, Massachusetts, attention is invited to letter from the Headquarters First Army, August 2, 1937, file 370.01, subject: "Signal Reserve Officers for CPX", to The Adjutant General; 1st Indorsement thereon dated August 4, 1937, file AG 353 (8-2-37) Misc., from The Adjutant General to the Chief Signal Officer; and 2nd Indorsement August 6, 1937, file OCSigO 354.2 (Ft. Devens, Mass.)(8-2-37) from the Chief Signal Officer to The Adjutant General.

3. Lieutenant Colonel William Frederick Friedman has earned no inactive duty credits during the preceding year. However he earned a certificate of capacity for promotion, and was promoted Lieutenant Colonel on November 3, 1936. Lieutenant Colonel Friedman is the Civilian Chief of the Signal Intelligence Service, Office of the Chief Signal Officer. In his capacity as such his duties in this office qualify him technically for his mobilization assignment. However it is essential to his further training both in his civilian capacity and for his mobilization assignment that he keep abreast of current thought in the tactics and technique of the Signal Intelligence Service, as developed in Army Command Post Exercises, and Maneuvers. In addition to the above the Signal Officer, First Army has requested that a qualified cryptanalytic expert be ordered to active duty for use in the Signal Intelligence Section, First Army Signal Service during the First Army Exercises. Lieutenant Colonel Friedman is the only Signal Reserve officer having the necessary qualifications who can be made available for this duty. In view of the above it is requested that the requirement of 25 hours inactive duty credits be waived in the case of Lieutenant Colonel Friedman.

4. This Reserve officer has had no active duty training during the current fiscal year.

5. This Reserve officer has not had active duty training in each one of the two fiscal years immediately preceding the current one in which such training is recommended.

6. Pay and allowances are chargeable to FD 1046 P 1-0121 A 1505-8.

7. Mileage is chargeable to FD 1046 P 1-0621 A 1505-8.

Sent by Liaison

S

Date

8-17-37

IC
DATE
AS
DATE
37

(WR)

OCSigO-201-Friedman, William Frederick (8-14-37)Res.

1st Ind. (Cont'd.) 5

8. Funds are available and sufficient under the above cited procurement authorities.

9. This Reserve officer is a Government Civil Service Employee and in compliance with Memorandum from The Adjutant General's Office dated August 27, 1932, file AG 210.31 ORC (8-27-32), the following information is furnished:

- a. William Frederick Friedman, Lieutenant Colonel, Signal Corps Reserve.
- b. 3932 Military Road, Washington, D. C.
- c. Executive Officer, Signal Intelligence Division, Office of the Chief Signal Officer, Washington, D. C.
- d. Fort Devens, Massachusetts.
- e. (1) Daily occupation in civil life: Cryptanalyst, Signal Intelligence Division, Office of the Chief Signal Officer, Washington, D. C. In charge of all code and cipher work.
(2) The duties performed as an employee correspond to his emergency assignment.
- f. (1) Nature of training he will receive while on active duty: Signal Intelligence training.
(2) The training he will receive while on active duty is in accordance with the intent of paragraphs 80 and 85, Army Regulations 140-5.
- g. Wherein this active duty training differs from his daily work and the necessity therefor in qualifying him for his emergency assignment: This active duty training differs from his daily work in that he will perform the Signal Intelligence duties of an Army under actual mobilization conditions, while in his daily work he receives no such training and experience. It is necessary that he be given active duty training of this nature in order to enable him to keep abreast of the Signal Intelligence requirements of an Army in the field and to qualify him in this respect for his emergency assignment.
- h. In view of the present economy program cannot this officer be trained at a place nearer his home with a resultant saving in transportation cost? - No,

OCSigO-201-Friedman, William Frederick (8-14-57)Res. 1st Ind. (Cont'd.) 5

would not be possible to give him the training referred to above, which it is desired he receive.

For the Acting Chief Signal Officer:

Henry L. P. King,
Major, Signal Corps.

AG 201-Friedman, William Frederick 2nd Ind. AGJ:HT 463
 (8-14-37) Res.
 War Department, ..G.O., August 19, 1937. - To: The Chief Signal Officer.

Not favorably considered as this officer has not had the 25 hours inactive status training during the preceding year required War Department Training Policies.

By order of the Secretary of War:

Adjutant General.

OCSigO - 201 Friedman, Wm. F. 3d Ind. 8
 (8-14-37)

WD, OCSigO, Washington, August 20, 1937. To: Colonel Walter E. Prosser, Sig. C., Headquarters First Army, Fort Devens, Mass.

1. Attention is invited to the above correspondence regarding the application by Lt. Col. William F. Friedman, Sig-Res., for active duty training with the First Army Command Post Exercises.

2. More difficulty was experienced than was anticipated in obtaining suitable Reserve officers for active duty training with the First Army, due to ineligibility of a number of Reserve officers to take active duty at this time, or because they were ineligible by reason of not having the necessary twenty-five hours inactive duty credits during the preceding year. However, orders have been requested for the detailing of the following Reserve officers for duty with the First Army Command Post Exercises during the period August 23 to September 5, inclusive, 1937, and it is believed they will be found satisfactory for the duties they will be expected to perform:

Major George Howard Foster, Sig-Res., Washington, D.C.
 Captain Laurence Palmer Richmond, Sig-Res., Dayton, Ohio.
 Captain John Henry Shuler, Sig-Res., Lexington, Ohio.
 1st Lt. David Anderson Edwards, Sig-Res., Bridgeport, Conn.
 2d Lt. Leo Benjamin Moore, Sig-Res., Cambridge, Mass.

3. Major Foster is an attorney with the Department of Justice, and is assigned to the Supply Division, Office of the Chief Signal Officer. He was a First Lieutenant, Signal Corps, during the World War, and performed duty with a Field Signal Battalion. He has had a considerable amount of active duty training in summer camps since that time.

DATE 8/22/37

4. Captain Richmond is a Radio Engineer with the Aircraft Radio Laboratory, Wright Field, Ohio. He has had several tours of active duty at summer camps during the past eleven years.

5. Captain Shuler is a graduate Communication Engineer from the Ohio State University, and received active duty training the Second Army Maneuvers in 1936.

6. First Lieutenant Edwards is a graduate Electrical Engineer, employed as an office methods engineer with the General Electric Company, Bridgeport, Connecticut. He has had two tours of active duty in the field since his appointment in the Reserve Corps in 1933.

7. Second Lieutenant Moore is a recent graduate from Massachusetts Institute of Technology, where he majored in Business and Engineering Administration. He was rated by the officer in charge of the Signal Corps R.O.T.C. unit as the second best student among those receiving commissions in the 1937 class.

Dawson Olmstead,
Colonel, Signal Corps,
Acting Chief Signal Officer of the Army.

(WR)

1/1

ROUTING AND WORK SHEET

(To be used under provisions of Par. 41, 6 b, Office Regulations, OCSig, 1934)

Number each Action	From	To	Memorandum	Initials and date
1	Wp + T	Pers Div.	<p>It is recommended that orders be requested for active duty training of Lt Col <u>Irving</u> Res. at Ft Devens, Mass in connection with the <u>Army</u> P.Y. for period of Aug 23 - Sept 5, incl, 1937</p> <p>He is govt employee.</p> <p>(Return)</p>	<p>(WR)</p> <p>8/14/37</p>
2				

Permanent) 3932 Military Road,
 Address) Washington, D. C.
 Temporary) _____
 Address) _____
 Date August 14, 19 37

SUBJECT Active Duty Training.

TO The Chief Signal Officer of the Army, Washington, D.C.

1 I desire active duty training during the period from ---
 (1st choice) August 23, 1937 to September 5, 1937 at Ft. Devens, Mass.
 (2nd choice) _____ to _____ at _____
 (Show dates and station for one principal and one alternate choice)

2. I ~~am~~ am not drawing a pension, disability, compensation or disability allowance, or retired pay from the United States Government.

3. I am married ^{two} have/dependent children ^{and} have dependent mother ~~am~~
~~single~~.

4. I have ^{not} completed at least 25 hours of inactive duty during the preceding year. ~~or I am in my first year of service in the Reserve Corps.~~

5. Remarks

6. I have had active duty during the following periods in the last three years: None.

(Signature) _____

(Name printed or typed) William F. Friedman,

(Rank) Lieut. Colonel, Signal Reserve.

Note In paragraphs having words underlined, line out words not applicable.

Signal Corps, United States Army

REF ID: A66329

Received at War Department Message Center,
Room 3441, Munitions-Building,
Washington, D. C.

RADIOGRAM

3-9313

U. S. GOVERNMENT PRINTING OFFICE

B23 25 WD BALTIMORE MD 319PM AUG 16.

CHIEF SIGNAL OFFICER WASHN DC.

RERAD DATE THE RECORDS OF THIS HQRS SHOW NO CREDITS OF
INACTIVE DUTY FOR LT COL WILLIAM FREDERICK FREIDMAN SIGNAL
CORPS RESERVE DURING PRECEEDING YEAR.

PROSSER 345PM.

RECEIVED

AUG 17 9 05 AM '37

OFFICE OF THE
CHIEF SIGNAL OFFICER

NO. HK. DATE 8-17-37

201 Three Signal Corps

7

OCSigO

OCSigO-201-Friedman, Wm. Fred. 5

Henry L. P. King, Major, Signal Corps.

AUGUST 16 1937

SIGNALS THIRD CA BALTIMORE MD.

REQUEST INFORMATION BY WIRE AS TO NUMBER HOURS OF INACTIVE DUTY CREDITS EARNED BY
LIEUTENANT COLONEL WILLIAM FREDERICK FRIEDMAN SIGNAL CORPS RESERVE DURING THE
PRECEDING YEAR AS SHOWN BY RECORDS OF HEADQUARTERS THIRD CORPS AREA

OLMSTED,
Acting.

RECEIVED
16 12 41 PM '37
OFFICE OF THE
CHIEF SIGNAL OFFICER

FILE
SIG #X DATE 8-16-37

September 30, 1936

MEMORANDUM TO: Executive Officer.

1. In view of the fact that the directives prepared in this office on the subject of the development of the radio intelligence and signal intelligence services have been approved and forwarded by the War Department, and that certain questions may arise in connection with those directives which can best be answered by personal contact, it is recommended that Mr. Friedman be ordered to temporary duty to discuss these matters with the Signal Officers of the Panama Canal Department, the Ninth Corps Area, and the Hawaiian Department, and give them such technical assistance as may be required.

2. Reference to the schedule of transport sailings shows that by leaving on the "Republic" on October 30, 1936 and returning January 6, 1937, on the same transport, ample time is available for conferences at each of the three stations mentioned. It has been ascertained that space is available on the "Republic".

3. Current work in the Signal Intelligence Section is such that Mr. Friedman's absence during this period will not delay projects now in progress.

4. It is estimated that funds in the amount of \$170 will be required for the travel involved.

W. S. Rumbough,
Major, Signal Corps.

*Approved by
travel to Panama only.*

WAR DEPARTMENT
WASHINGTON QUARTERMASTER DEPOT
WASHINGTON, D. C.

ADDRESS REPLY TO
COMMANDING OFFICER
WASHINGTON QUARTERMASTER DEPOT
WASHINGTON, D. C.

29 September 1937

No. 552.71 - Passenger.

SUBJECT: Estimated Cost of Passenger Transportation.

TO: The Chief Signal Officer, Munitions Building.

1. In compliance with par.6, A.R.35-6130, the following report is made of Passenger Transportation furnished by this office, on authority of your office, together with the estimated maximum cost of same, which should be charged against your procurement authority.

Number and date of T/R: WQ-2314731/733, 9/27/37.

Issued to: Mr. William F. Friedman, Cryptanalyst.

From: Washington, D. C.

To: Little Silver, N. J. and return.

Procurement Authority: ED 1468 P 211-0600 A 0410-8.

Estimated cost: \$19.10

Authority for issue: Let., Chief Signal Officer, 9/25/37.

Remarks:

*Approved
[Signature]*

For the Commanding Officer:

RECEIVED
SEP 30 10 33 AM '37
OFFICE OF THE
CHIEF SIGNAL OFFICER

FILE 201
SIG [Signature] DATE 10/1/37

Theodore Kalakuka
THEODORE KALAKUKA,
Captain(CAV)QMC,
Assistant.

notes 2013

c/.

201. - Friedman, William F.

3

September 23, 1937.

Orders.

William F. Friedman, Cryptanalyst, S.S.I.
 (Thru the Officer in Charge, War Plans and Training Div.)

1. Pursuant to authority of the Secretary of War dated September 23, 1937, you will proceed, on or about September 27, 1937, from Washington, D. C., to Fort Monmouth, N. J., reporting on arrival to the Commanding Officer, that place, for temporary duty for a conference re Converter M-161, and upon completion thereof you will return to Washington, D. C. Travel and temporary duty will not exceed three days.

2. While enroute and on this temporary duty you will be allowed a flat per diem of 5.00, in lieu of subsistence, in accordance with provisions of existing regulations, chargeable to Procurement Authority WD 1468 P 211-0600 A 0410-8. Allowable taxicab fares are authorized and chargeable to the same procurement authority. Vouchers covering expenses incurred while traveling under these orders will be submitted, in triplicate, to the Office of the Chief Signal Officer for certificate regarding funds.

3. The Quartermaster Corps will furnish the necessary transportation chargeable to procurement authority quoted above.

4. The travel directed herein is necessary in the military service.

Dawson Olmstead
 Colonel, Signal Corps,
 Acting Chief Signal Officer of the Army.

Copy furnished

Commanding Officer, Fort Monmouth ✓

FILE

SIG. <i>K</i>	DATE <i>10/1/37</i>
---------------	---------------------

201 - Friedman, William

WAR DEPARTMENT
WASHINGTON

OFFICE OF THE CHIEF SIGNAL OFFICER

September 21, 1937.

(Bureau)

(Date)

Subject: Travel order for civilian employee.

To: The Secretary of War.

- (1) It is recommended that this office be authorized to issue travel order as follows:
- (2) Name of employee: William F. Friedman
- (3) Designation: Cryptanalyst, S.S.L.
- (4) To travel from Washington, D. C. to Fort Monmouth, N. J. and return.
- (5) Purpose of the trip: (To be stated fully.)
Conference on Converter M-161
- (6) Is the travel requested absolutely necessary in the public service at this time and impracticable of postponement without detriment to the public service? Yes. To commence September 27, 1937.
- (7) Probable duration and estimate of cost, including transportation, of the trip: 3 days - \$34.10
- (8) It is recommended that this employee be allowed, in lieu of subsistence, a flat per diem of \$ 5.00 while traveling and on the temporary duty involved, in accordance with the provisions of existing regulations.
- (9) It is recommended that this employee be reimbursed for actual expenses of subsistence, not to exceed \$ per diem, in accordance with existing regulations.

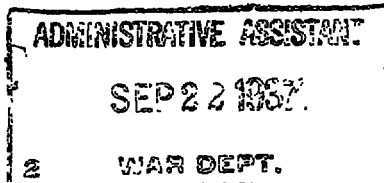
~~For the Chief of Bureau:~~

Note: Check par. (8) or (9)
according to the recom-
mendation intended.

Dawson Olmstead
Dawson Olmstead
Colonel, Signal Corps,

(Designation of signing official)

Acting Chief Signal Officer of the Army.



WAR DEPARTMENT

Approved SEP 23 1937

By order of Secretary of War

John W. Mather
Administrative Assistant

RECEIVED
SEP 25 8 52 AM '37
OFFICE OF THE
CHIEF SIGNAL OFFICER

Serial No.

September 20, 1937.

(Date)

MEMORANDUM FOR: Executive Officer. (Thru Fiscal Division)

1. It is requested that travel orders be issued for:

- (a) Name: Mr. W. F. Friedman
- (b) Designation: Principal Cryptanalyst
- (c) From: Washington, D. C.
- (d) To: Fort Monmouth, N.J. and return
- (e) Report to: Commanding Officer, Fort Monmouth, N.J.
- (f) Temporary duty or change of station: Temporary duty
- (g) Per diem authorized for 3 days. (Including travel time)
- (h) Purpose: Conference re Converter M-161

RECEIVED
SEP 20 3 56 PM '37
OFFICE OF THE
CHIEF SIGNAL OFFICER

2. Cost of travel will be charged as follows:

(a) Per diem:	Estimated cost
Procurement Authority:	
<u>FD 1468 P 211-0600 A 0410-8</u>	<u>\$15.00</u>
(b) Transportation:	Estimated cost
Procurement Authority:	
<u>FD 1468 P 211-0600 A 0410-8</u>	<u>\$19.10</u>
(c) Transportation of baggage or household goods:	Estimated cost
Procurement Authority:	
Packing and Crating:	
Procurement Authority:	
(d) Total estimated cost:	<u>\$34.10</u>

3. Method of travel: By railroad

4. Travel to begin on or about: September 27, 1937

5. Remarks: *Technical Travel H/H/K*

Approved
DO
9/20

APPROVED

Executive Officer.

CHARGED TO	9/20/37
<u>FD 1468</u>	
TRAVEL PROJECT	
Fiscal Division	
By	<i>[Signature]</i>

W. S. Rumbough
W. S. Rumbough,
Major, Signal Corps,
OIC, WP&T Division.

Travel of Friedman, William F. Cryptanalyst A. F. O. FORM 678
 Authority: Adm. Serv. Order No. 1210, W. S. M. D., 5/26
HQ Wash., D.C., 1937
 Passenger transportation T/R No. 2214379 Amount \$12.26
 Dependents reimbursement 1-RT \$ _____
 Mileage or per diem P-210-0600 \$ _____
 Procurement authority - FD 1423 A 0410-7 *noted 2/26*
 Paid: SEP 1937 193_____
 Finance Office, U. S. Army, Washington, D. C.
 Accounts of E. C. Morton, Major, F. D.

FILE 201.
 SIG. *je* DATE *9/20/37*

A. P. O. FORM 678

Travel of Mr. William F. Friedman,

Authority: Letter Order, Office of
Order No. HQ 193

The Chief Signal Officer, April 22, 1937
 Passenger transportation T/R No. Amount \$

Dependents reimbursement \$ _____

Mileage or per diem \$ 15.15

Procurement authority - FD 14²³ A 085-~~8~~ 7
 P 210-0600

Paid: 5/10/37 193..... *note DVB*

Finance Office, U. S. Army, Washington, D. C.
 Accounts of E. C. Morton, Major, F. D.

FILE 201,
 SIG. *JAC* DATE 5/20/37

Travel of Friedman, William F. A. P. O. FORM 978 Cryptanalyst
 Authority: Chg. Sta. Order No. Lt. Col. Chf. Sig. Off. w. a. m. d. 4/26 HQ Wash., D. C. 1937
 Passenger transportation T/R No. 2214380 Amount \$ 1.25
 Dependents reimbursement 1-seat \$ _____
 Mileage or per diem P-210-0600 \$ _____
 Procurement authority - FD 14 23A 0410-7
 Paid: SEP 1937 193... *note 2810*
 Finance Office, U. S. Army, Washington, D. C.
 Accounts of E. C. Morton, Major, F. D.

FILE 201.
 SIG. *jas*... DATE 9/28/37

Travel of Friedman William F. A. F. O. FORM 578 Cryptanalyst
 Authority: Chg Sta, Order No. 4570 Chf. Sig. Off. HQ W.D.M.D. Wash., D.C. 1937
 Passenger transportation T/R No. 2214381 Amount \$ 2.50
 Dependents reimbursement 1-L5 \$ _____
 Mileage or per diem P-210-0600 \$ _____
 Procurement authority - FD 1423 A 0410-7
 Paid: SEP 1937 193 *note 1937*
 Finance Office, U. S. Army, Washington, D. C.
 Accounts of E. C. Morton, Major, F. D.

FILE *201.*
 SIG. *JSE* DATE *9/28/37*

Travel of Friedman, William F., Cryptanalyst U. S. Army, FORM 678

Authority: Chgo. Station Ltr. Off. Ch. Wash., D.C., 12/17
Order No. Sig. Off. HQ Wash., D.C., 1936

Passenger transportation T/R No. 2150218 Amount \$ 12.26

Dependents reimbursement 1-RT \$ _____

Mileage or per diem P-211-0600 \$ _____

Procurement authority - FD 1468 A 0410-7

Paid: APR - 1937 193_____ note: 2/10

Finance Office, U. S. Army, Washington, D. C.
Accounts of E. C. Morton, Major, F. D.

FILE 201.
SIG jos DATE 5/20/37

A. F. O. FORM 575

Travel of Friedman, William F., Cryptanalyst

Authority: Eng. Sec. Order No 2150219 1217
Let. off. Ch. W. A. M. D., HQ Wash., D. C. 1936

Passenger transportation T/R No. 2150219 Amount \$2.50

Dependents reimbursement 1-LS or 1-seat \$ _____

Mileage or per diem P-211-0600 \$ _____

Procurement authority - FD 1468 A 0410-7

Paid: MAY - 1937 193____ *notes 2813*

Finance Office, U. S. Army, Washington, D. C.
 Accounts of E. C. Morton, Major, F. D.

FILE 201.

SIG *JPC* DATE 5/20/37

WAR DEPARTMENT
WASHINGTON QUARTERMASTER DEPOT
WASHINGTON, D. C.

ADDRESS REPLY TO
COMMANDING OFFICER
WASHINGTON QUARTERMASTER DEPOT
WASHINGTON, D. C.

May 4, 1937.

No. 552,71 - Passenger.

SUBJECT: Estimated Cost of Passenger Transportation.

TO: Chief of Signal Corps, Washington, D. C.

1. In compliance with par.6, A.R.35-6130, the following report is made of Passenger Transportation furnished by this office, on authority of your office, together with the estimated maximum cost of same, which should be charged against your procurement authority.

Number and date of T/R: WQ-2214379/381, 4/26/37

Issued to: William F. Friedman

From: Washington, D. C.

To: Little Silver, N.J. and return.

Procurement Authority: FD 1423 P 210-0600 A 0410-7

Estimated cost: \$19.10

Authority for issue: Let. Chief Sig.Off., 4/26/37

Remarks:

1037 MAY - 7 - PM 9 : 10
OFFICE
CHIEF SIGNAL OFFICER

For the Commanding Officer:

Theodore Kalakuka
THEODORE KALAKUKA,
1st.Lieut.(CAV)QMC,
Assistant.

7
FILE 201
SIG DATE 5/10/37

c/.

mai 15 1937

Public ~~Account~~ **Account** for Reimbursement of Travel and Other Expenses
Including Per Diem

Voucher No. _____
No. _____

GENERAL ACCOUNTING OFFICE
PREAUDIT
Certified for payment in the
sum of \$
By **J. R. McCARL,**
Comptroller General of
the United States.

U. S. **Signal Corps, War Department**
FD 1423-E-210-0600-0410-7

Appropriation:
2170410 - Travel of the Army, 1937.

THE UNITED STATES, **Dr. Friedman,**
To **Office of Chief Signal Officer,**
Munitions Building, Washington, D. C.
Official Headquarters _____ Domicile _____ Residence _____
(For use of the Postal Service only)

PAID BY

(For use of Paying Office)

FOR REIMBURSEMENT of travel and other expenses incurred in the discharge of official duty
from **April 27, 1937** to **May 3, 1937**,
as per itemized statement within, under authority No. _____, dated **April 26, 1937**, \$

AMOUNT PAID		NOTATIONS (Payee must not use this column)
Dollars	Cents	
		15
		\$15.

(Additional statements by Department, Bureau, or Establishment, if deemed necessary)

(ACCOUNTING CLASSIFICATION)

(Payee will NOT use this space)
Differences

Account verified; correct for \$

(Signature or initials)

Army Finance Office, Washington, D. C.

Date **5/14/37** Paid on Vou. No. **2922**

Money Acct. of E. C. Morton, Lt. Col. F. D.

Cryptanalyst, S.S.L.

MEMORANDUM

OFFICE
CHIEF SIGNAL OFFICER

MAY 3 8:52 AM

FILE 201
SIG. DATE 5/17/37

Major, Signal Corps

Paid by _____ Check No. _____, dated _____, 19____, for \$ _____ (on Treasurer of the United States in favor of payee named above)
Cash, \$ _____ on _____, 19____

MEMORANDUM—DO NOT SIGN

Handwritten note: m-10-1864a

ITEMIZED SCHEDULE OF TRAVEL AND OTHER EXPENSES

1 Give duty status on first day of voucher period

* Arrived at Port Monmouth, New Jersey on April 27, 19 37
for temporary duty for approximate period four days

Approximate date of return to official headquarters May 3, 19 37

2 State authorized allowance for per diem in lieu of subsistence \$ 5.00 †

3 State authorized allowance for actual subsistence expenses Not to exceed \$ _____ † per day

* If authority provides for travel to more than one point, time of arrival and departure from each should be stated in the body of the account in chronological order

† If more than one rate of allowance is authorized, full statement of application of each rate must be given in some convenient place on this voucher

DATE	CHARACTER OF EXPENDITURE (To be itemized by the day and fully explained)	SUB YOU NO	AMOUNT		NOTATIONS (Payee must not use this column)
			SUBSISTENCE	OTHER	
19 <u>37</u>					
April 27	Left Washington at 9:00 A.M. ✓				
	Arrived Port Monmouth at 3:00 P.M. ✓ same afternoon				
April 29	Left Port Monmouth for New York City at 1:09 P.M. ✓				
May 3	Left New York City at 12:40 A.M. ✓ May 3				
	Arrived Washington at 7:30 A.M. ✓ same morning				
	<u>2³/₄</u> days at \$5.00 per diem		<u>15 00</u>		<u>\$13 75</u>
Apr. 27	Taxi from home to station			70	✓
May 3	Taxi from station to home			70	✓
	On authorized leave from April 29 at 2:00 P.M. until 12:45 P.M., May 1.				
	<u>FD 1723 P 510-0600-00410-7</u> available balance of which is sufficient to cover cost of				

TOTALS (to be carried forward to Continuation Sheet, if necessary)

15 00	1 40	✓
13 75		

TOTAL AMOUNT OF VOUCHER (not to be used when totals are carried forward to Continuation Sheet)

15 00	1 40	✓
	\$15	✓

OCSigO 201 Friedman, William F.
(4-26-37)

1st Ind.

8

War Plans and Training Division, OCSigO, April 26, 1937. To: William
F. Friedman, Cryptanalyst, S.S.L.

For compliance.

By order of the Acting Chief Signal Officer:

W. S. Rumbough,
Major, Signal Corps,
OIC, WP&T Division.

FILE

SIG. *7*.....DATE *4/27*

SOL.-Friedman, William F.

3

April 26, 1937.

Orders,

William F. Friedman, Cryptanalyst, U. S. A.
 (Thru Officer in Charge, War Plans and Training Division)

1. Pursuant to authority of the Secretary of War dated April 23, 1937, you will proceed, as or about April 27, 1937, from Washington, D. C., to Fort Monmouth, N. J., reporting on arrival to the Commanding Officer, that place, for temporary duty to deliver a lecture before the Signal Corps School and for discussion of signal intelligence activities with personnel at Fort Monmouth, and upon completion thereof you will return to Washington, D. C. Travel and temporary duty will not exceed 4 days.

2. While enroute and on this temporary duty you will be allowed a flat per diem of \$5.00, in lieu of subsistence, in accordance with provisions of existing regulations, chargeable to Procurement Authority FD 1423 P EIO-0600 - 0410-7. Allowable taxi cab fares are authorized and chargeable to the same procurement authority. Vouchers covering expenses should be submitted, in triplicate, to the Office of the Chief Signal Officer for certificate regarding availability of funds.

3. The Quartermaster Corps will furnish the necessary transportation chargeable to the procurement authority quoted above.

4. The travel directed herein is necessary in the military service.

Dawson Olmstead
 Colonel, Signal Corps,
 Acting Chief Signal Officer of the Army.

Copy sent C O , Fort Monmouth

FILE	4/26
SIG. K. act.	DATE.....

201. Friedman, William F.
 CIVILIAN PERSONNEL DIV.
 APR 22 1937
 WAR DEPT.

WAR DEPARTMENT
 WASHINGTON

OFFICE OF THE CHIEF SIGNAL OFFICER

April 22, 1937.

(Bureau)

(Date)

Subject: Travel order for civilian employee.

To: The Secretary of War.

- (1) It is recommended that this office be authorized to issue travel order as follows:
- (2) Name of employee: William F. Friedman
- (3) Designation: Cryptanalyst, S.S.L.
- (4) To travel from Washington, D. C. to Fort Monmouth, N. J. and return.
- (5) Purpose of the trip: (To be stated fully.)
 To deliver a lecture before the Signal Corps School and for discussion of signal intelligence activities with personnel at Fort Monmouth
- (6) Is the travel requested absolutely necessary in the public service at this time and impracticable of postponement without detriment to the public service? Yes. To commence April 27, 1937.
- (7) Probable duration and estimate of cost, including transportation, of the trip: 4 days - \$36.88
- (8) It is recommended that this employee be allowed, in lieu of subsistence, a flat per diem of \$ 5.00 while traveling and on the temporary duty involved, in accordance with the provisions of existing regulations.
- (9) It is recommended that this employee be reimbursed for actual expenses of subsistence, not to exceed \$ per diem, in accordance with existing regulations.

For the Chief of Bureau:

Note: Check par. (8) or (9) according to the recommendation intended.

Dawson Olmstead

Dawson Olmstead
 Colonel, Signal Corps,

(Designation of signing official)

Executive.

WAR DEPARTMENT

Approved APR 23 1937

By order of Secretary of War

John W. Mallory
 Administrative Assistant

OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON, D. C.

April 21, 1937.

(Date)

Serial No.

MEMORANDUM FOR: Executive Officer. (Thru Fiscal Division) ✓

OFFICE OF THE CHIEF SIGNAL OFFICER
1937 APR - 21 - PM 1:02

1. It is requested that travel orders be issued for:

- (a) Name: William F. Friedman
 - (b) Designation: Cryptanalyst, S.S.I.
 - (c) From: Washington, D. C.
 - (d) To: Fort Monmouth, N.J. and return
 - (e) Report to: Commanding Officer, Fort Monmouth, N.J.
 - (f) Temporary duty or change of station: Temporary duty
 - (g) Per diem authorized for 4 days.
 - (h) Purpose: To deliver a lecture before the Signal Corps School and for discussion of signal intelligence activities with personnel at Fort Monmouth
2. Cost of travel will be charged as follows:

(a) Reimbursement of travel expenses:

Allotment 4 days at \$5.00	Estimated cost
XXXXXXXXXXXXXXXXXXXX FD 1423 P 210-0600 A 0410-7	\$20.00

(b) Transportation:

Allotment FD 1423 P 210-0600 A 0410-7	Estimated cost
XXXXXXXXXXXXXXXXXXXX	\$16.88

(c) Transportation of baggage or household goods (including packing and crating of household goods)

Allotment	Estimated cost
-----------	----------------

(d) Total estimated cost:

\$36.88

3. Funds are available for the payment of expenses incident to the travel requested herein.

4. Remarks: Travel to begin on or about April 27, 1937

APPROVED

Executive Officer.

4/21

CHARGED TO 4/21/37
FD 1423
TRAVEL PROJE.
Fiscal Division
By <i>je</i>

W. S. Rumbough
 W. S. Rumbough,
 Major, Signal Corps.

CCSigO - 201 Friedman, William F.

April 22, 1937.

SUBJECT: Active Duty Training.

TO:

**Lt. Col. William F. Friedman, Sig-Res., 3932 Military Road,
Washington, D.C.**

1. Signal Reserve officers who are assigned to the Arm and Service Assignment Group may be ordered to active duty for 14 days' training each year in the numbers permitted by appropriations and at such places as training facilities are available. Normally, the officers of this group are given active duty training with the activity to which they are assigned for mobilization. When the time lost in travel would be too great or when a desirable type of training can be provided at some other station, effort will be made to arrange for active duty elsewhere.

2. In selecting the Signal Reserve officers to be ordered to active duty the Chief Signal Officer is governed by available funds and the following War Department directives:

a. "Except as authorized below, no Reserve officer who is drawing a pension, disability allowance, disability compensation or retired pay from the Government will be ordered to active duty under the War Department Appropriation Act. Reserve officers drawing pensions, retired pay, or annuities, for reasons other than physical disability may be ordered to active duty provided: (1) the officer is physically qualified for active duty; (2) the officer surrenders the right to such pension, retired pay or annuity for the period of active duty."

b. "Except during his first year of service, no Reserve officer who has failed to complete at least 25 hours of inactive duty during the preceding year will be detailed for 14-day active duty; nor will any Reserve officer, except Group I and Group II airplane pilots, be so detailed in more than two consecutive years except in special cases authorized by the Corps Area Commanders for officers of the Corps Area Assignment Group and by the Chiefs of Arms and Services for officers of the Arm and Service Assignment Group."

3. If you desire active duty training it is desired that you submit your application by letter as early as practicable and at least one (1) month prior to the date on which active duty would begin, in order that funds for your pay, allowances and mileage may be reserved. The attached application form may be used. It should be submitted in duplicate. Space is provided thereon to indicate your choice of periods for active duty training. Periods should be arranged so as to begin on Sunday. If desired, you may state a general period during which you can take training and thereby allow this office to select the exact dates of the 14-day period of training. If you desire active duty prior to June 30 of the present fiscal year it is requested that in this case you submit your application as soon as practicable. Preference will be given to those desiring active duty

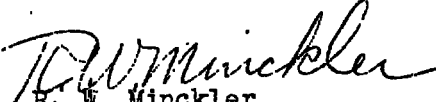
SIG. B.S. DATE 4/24/37

prior to June 30 as a certain amount of funds is now available for this purpose.

4. Signal Reserve officers of the Arm and Service Assignment Group will, by virtue of their assignments, assume positions with considerable responsibility in event of a mobilization. The Chief Signal Officer urges that you endeavor to take active duty occasionally in order that you will be familiar with the duties and responsibilities that would immediately devolve upon you when ordered to active duty in such a case.

5. One of the requirements for promotion is that an officer has, during his service in grade, completed at least 14 days of active duty training and has received therefor an efficiency report of at least "satisfactory". Unless exempt because of qualification for reappointment by reason of civil occupation, 100 of the 200 hours of credits necessary for reappointment may be earned by serving one tour of 14 days active duty. The remaining 100 credit hours required for reappointment must be secured by inactive duty training. The facilities that are available to you to secure these inactive duty credits and the 25 hours of credits necessary in order to be ordered to active duty can be determined by inquiry of your local organized reserve headquarters or of this office. Army Regulations No. 140-5, dated June 16, 1936, and Army Regulations No. 140-38, dated July 22, 1936, are the regulations which cover all matters pertaining to the Signal Section of the Officers' Reserve Corps. These two regulations may be obtained for 15 cents from the Superintendent of Documents, Government Printing Office, Washington, D.C. These regulations are also on file at each organized reserve headquarters and you may inspect them there if you so desire. Information regarding Signal Reserve matters will be gladly furnished you at any time upon request to the Chief Signal Officer.

By order of the Chief Signal Officer:


R. W. Minckler,
Captain, Signal Corps.

2 Incls.
Application form (in trip.)
Envelope

A. P. O. FORM 678

Travel of Friedman, William F., Cryptanalyst

Authority: Chg. Star Order No. 4r. ch. word, idk Sig. Off. HO Wash., DC 1936

Passenger transportation T/R No. 2081697 Amount \$4.41

Dependents reimbursement 1-FF \$ _____

Mileage or per diem P-210-0600 \$ _____

Procurement authority - FD 14²³ A 0410-7 notes DND

Paid: APR - 1937 193...

Finance Office, U. S. Army, Washington, D. C.
Accounts of E. C. Morton, Major, F. D.

FILE 201.
SIG. je DATE 4/16/37

Travel of Friedman, William F., Cryptanalyst A. F. O. FORM 578

Authority: City Sta. Lt. Col. W. A. M. D., 10/24, Order No. Sig. Off. HQ Wash, D.C. 1936

Passenger transportation T/R No. 2081695 Amount \$ 6.46

Dependents reimbursement 1 FF \$ _____

Mileage or per diem P-210-0600 \$ _____

Procurement authority - FD 1423 A 085-7

Paid: APR - 1937 193..... *noted DSR*

Finance Office, U. S. Army, Washington, D. C.
Accounts of E. C. Morton, Major, F. D.

FILE 201.
SIG J39 DATE 4/8/37

Travel of <u>Friedman, Wm. F., Cryptanalyst</u>	A. F. O. FORM 678
Authority: <u>Chg. Sta.</u> Order No. <u>Let. ca. Sig. Off. HQ Wash., D.C., 1936</u>	<u>Q. M. D., 1936</u>
Passenger transportation T/R No. <u>2081696</u> Amount <u>\$2.50</u>	
Dependents reimbursement <u>1 LS or 1 seat</u>	\$ _____
Mileage or per diem <u>P-210-0600</u>	\$ _____
Procurement authority - FD <u>1423</u> A 0410-7	
Paid: <u>MAR - 1937</u>	<i>notes 29/16</i>
Finance Office, U. S. Army, Washington, D. C.	
Accounts of E. C. Morton, Major, F. D.	

FILE 201.

SIG. *J.C.* DATE 3/30/37

WAR DEPARTMENT
OFFICE OF CHIEF OF FINANCE
WASHINGTON, D. C.

In reply refer to FAc 112.28/ **232674** Sig.C. January 22, 1937.

Subject: Advice of charge to appropriation "Travel, Military and Civil Personnel."

To: Office of the Chief Signal Officer,
Finance Contact Division.

1. Pursuant to the requirements of paragraph 2, Section V, War Department Circular No. 17, March 31, 1933, as amended by Section II, War Department Circular No. 36, September 11, 1934, report is hereby rendered of charge against procurement authority issued to your office under the appropriation "Travel, Military and Civil Personnel," as follows:

Inter-Branch Vou. No. 48.

Amount - \$7.50.

Date of settlement - February, 1937.

Name and Station of Disbursing Officer - Chief of Finance.

P/A number - FD 1423 P 210-0600 A 0410-7.

Order No. - -

Source - Office of the Chief Signal Officer, War Dept., Wash., D.C.

Date - October 14, 1936.

Name of traveler or payee - William F. Friedman, Civ. Emp., Sig. Corps.

For the Chief of Finance.

M. A. Gardyne
M. A. GARDYNE,
Captain, Finance Department

1937 JAN 22
CHIEF SIGNAL OFFICER
57

FILE
SIG. *38* DATE *2/5/37*

IN REPLY REFER TO

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER

201-Friedman, William F.

WASHINGTON

January 15, 1937.

3

Subject: Salary check.

To: Mr. William F. Friedman, 3932 Military Road, N. W.,
Washington, D. C.

1. Inclosed is Check No. 289,501 in the amount of \$233.33 covering salary due you for the period January 1 to 15, 1937.

2. Please acknowledge receipt by indorsement hereon.

By order of the Chief Signal Officer.

Edward Barnett
Edward Barnett,
Civilian Assistant.

2 Incls.

Check No. 289,501
Addressed envelope

1st Indorsement

Washington, D. C.
18 January, 1937

To: Chief Signal Officer, War Department.

1. Receipt is acknowledged this date of Check No. 289,501 in the amount of \$233.33 covering salary due me for the period January 1 to 15, 1937.

CHIEF SIGNAL OFFICER
JAN 19 1937

FILE
SIG. *R.M.R.* DATE 1/19/37

WILLIAM F. FRIEDMAN

E. S. Friedman
By E. S. FRIEDMAN
Attorney

CCSigO-201-Friedman, William Frederick (6-10-36)Pas.

3rd Ind.

5

War Department, CCSigO., July 8, 1936 - To: The Adjutant General.

1. The records show that this Reserve officer has had seven (7) two-week tours of active duty training, with an average efficiency rating of "Excellent". During six of these tours of active duty he served as an instructor in codes and ciphers at The Signal Corps School, Fort Monmouth, New Jersey. He is employed as a cryptanalyst, Signal Service at Large, on duty in this office. He has also, in his civilian capacity as cryptanalyst, given lectures in codes and ciphers at The Signal Corps School, and served on the Signal Corps Board at Fort Monmouth, New Jersey on several occasions in connection with such subjects.

2. His last tour of active duty training was during the period September 14 - 27, 1930, inclusive. He has been given a low priority for active duty training in view of his position as cryptanalyst, Signal Service at Large, and in conformity with instructions from The Adjutant General's Office relative to ordering to active duty Reserve officers who are performing the same class of work in civil life as the duty they will be called upon to perform under their war assignment. He has shown by the above mentioned tours of active duty training and his work in this office as a civilian employee that he is qualified to perform the duties of a Lieutenant Colonel, Signal Corps Reserve, "Cryptography" classification.

3. He is assigned to the Signal Intelligence Division, Office of the Chief Signal Officer, for duty in time of war.

4. In view of the foregoing it is recommended that the practical test prescribed in paragraph 38, Army Regulations 140-5, be waived in this case and that this Reserve officer be issued a Certificate of Capacity for the grade of Lieutenant Colonel, Signal Corps Reserve, "Cryptography" classification, as he is now performing the same class of work in civil life as he will under his war assignment which calls for the grade of Lieutenant Colonel, Signal Corps Reserve.

For the Chief Signal Officer:

John H. Minson, Jr.,
Lieut. Colonel, Signal Corps.

(WR)

FILE
WRI
SIG # DATE 7 3 36

ORGANIZED RESERVES
HEADQUARTERS WASHINGTON UNITS
ROOMS 3602-18 MUNITIONS BUILDING
WASHINGTON, D. C.

K

TELEPHONE
NATIONAL 2520
BRANCH 1212

201-Friedman, William Frederick
(7-7-34)

June 10, 1936.

Subject: Examination, certificate of capacity.

To: Commanding General, Third Corps Area,
Baltimore, Md.

201 Friedman William Frederick
U.S. WAR DEPT
921-5248
MAY 16 1936
Richard Wetherill
F.

1. Forwarded herewith copies of corrected Certificate of Examiner evidencing satisfactory completion of the Military Knowledge Qualifications under paragraph 9a, AR 140-5, by Major William F. Friedman, Signal Corps Reserve. In this connection attention is invited to previous correspondence in this case, returned to Headquarters Third Corps Area by 14th Indorsement, this headquarters, above file, dated May 16, 1935.

2. Examination under the provisions of paragraph 38, AR 140-5, is recommended.

Richard Wetherill
RICHARD WETHERILL,
Colonel, Infantry,
Senior Instructor.

1 Incl.
2 copies corrected Cert. of Exam.

00. 201/5248

201-Friedman, William Frederick
78 (6-10-36)

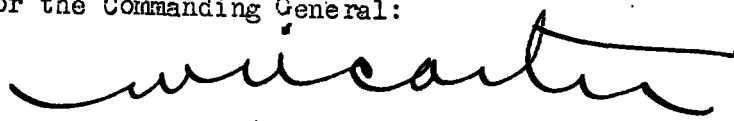
1st Ind.

8.

MC THIRD CORPS AREA, Baltimore, Md., June 11, 1936 - To: The Adjutant General, Washington, D. C.

Information is requested whether or not this reserve officer has established satisfactory proficiency in the ability qualifications while on active duty.

For the Commanding General:



1 Incl-
No change.

10 Received A. G. O. JUN 12 1936

A. G. 201 (6-10-36) Res.
Friedman, William Frederick

2nd Ind.

MF-lwd-463.

War Dept., A.G.O., June 15, 1936. To - The Chief Signal Officer.

For statement of appropriate qualifications rated, rating given and recommendation.

By order of the Secretary of War:



Adjutant General.

1 Incl. No change.

1936 JUN 18 - AM 10:37

CHIEF SIGNAL OFFICER

Corrected Copy

June 10, 1938.

CERTIFICATE OF EXAMINER

In accordance with the provisions of par. 36, AR 140-5, I certify that I have conducted the examination of Major William Frederick Friedman, Sig-Res., in the Military Knowledge Qualifications for Certificate of Capacity for promotion to grade of Lieutenant Colonel, Signal Corps Reserve.

Major Friedman has submitted a thesis on the subject "THE DUTIES OF THE OFFICER IN CHARGE OF THE SIGNAL INTELLIGENCE SERVICE, G. H. Q.", for which he received a rating of 96%.

This officer has also submitted a certificate showing completion of the following reading course:

The Military Policy of the United States (Upton)
 The General Staff and its Problems (von Ludendorff)
 Tanenberg (Ironside)
 Movements and Supply of the German First Army during August and September, 1914 (von Kuhl and von Bergman)
 The War of the Future in the Light of Lessons of the World War (von Bernhardi)
 Circuits of Victory (Lavine).

EXEMPTIONS

Exemption was granted from examination in the following subjects of the Military Knowledge Qualifications, under the provisions of par. 40b, AR 140-5, by reason of satisfactory completion of these subjects thru Extension Courses of the Signal Corps School within the past five years:

Signal Corps Staff Duties
 Staff and Logistics for the Division.

Examination completed June 10, 1938.

S. LeROY IRWIN,
 Major, Field Artillery,
 Examiner.

To correct Certificate of Examiner
 issued March 6, 1935.

815501/5-2048 Signal Corps School, Wash.

IN REPLY
REFER TO

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

201-Friedman, William F.

June 1, 1936.

Receipt is acknowledged of Check No. 108,516 in the amount of \$233.33 covering salary due William F. Friedman for the period May 16 to 31, 1936.

Delivered To Mrs Friedman
6/2

FILE 6
SIC _____ DATE _____

REF ID: A66329
WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER

MEMORANDUM for *Civilian Personnel Division:*

Please deliver my salary check due
for 2^d half of May to Mrs. Friedman, who will
call for same.

May 29, 1936.

William F. Friedman

ROUTING and WORK SHEET

(To be used under provisions of Par. 4I 6 b, Office Regulations, OCSigO, 1934)

Number Each Action	From:	To:	Memorandum	Initials and Date
1	EX O	W P T	1. Was formal application made to the CSO by the PRRA for their assistance.	DWS 5-23
2	WP&T	EX. O.	<p>No formal application was made, as this is asked for only when the assistance to be rendered appears to require any appreciable time and labor. In this case the assistance rendered consisted in:</p> <p>(1) Two telephone conversations initiated by Mr. Banse of the P.R.R.A. direct to Mr. Friedman. These of only 2-3 minutes.</p> <p>(2) A visit by Mr. Banse to this office for a talk lasting 10-15 minutes, during which a system was outlined and he was provided with 3 copies of a small commercial code, of which we have many copies, which Mr. Friedman personally inherited from a defunct code publisher, and which he has kept for just such purposes.</p> <p>We are often called on to help out other government agencies in advisory matters on secret communication and have usually been glad to help, without much red tape. Mr. Banse needed quick action in this case and no harm was seen in going ahead as outlined above.</p>	5-25-36 WR W.S.R. K.
3	EX O	CSigO	P/s note	D.O. 5/26 J.P.K. 5/26
4	EX O	WP&T	For notation by Mr. Friedman & file.	DWS 5/26
5	WP&T	Mr Friedman	<p>Please FILE <i>present to Mr. Friedman</i></p> <p>FILE</p> <p>DATE 5/27/36</p> <p><i>Noted File</i></p>	J.P.K. 5-27-36

PUERTO RICO RECONSTRUCTION ADMINISTRATION

WASHINGTON

May 22, 1936.

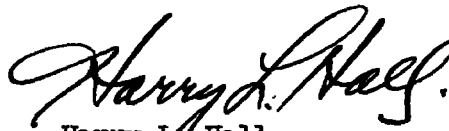
Chief Signal Officer,
War Department,
Munitions Building,
Washington, D. C.

Dear Sir:

Through the courtesy of Mr. William F. Friedman of your office, the Puerto Rico Reconstruction Administration has been enabled to devise a secret communication system for its use in transmitting confidential radiograms between Washington, D. C., and San Juan, Puerto Rico.

We desire to take this opportunity to express our appreciation of Mr. Friedman's assistance in this matter.

Very truly yours,



Harry I. Hall,
Assistant Administrator.

1936 MAY 23 AM 9:14

OFFICE
CHIEF SIGNAL OFFICER

Handwritten notes:
101-417000
11/17/36

CROSS REFERENCE SHEETDate of
correspondenceFile Under:

5-27-36

X-201-Miller, H.G. (Capt.)
X-201- Friedman, W.F. (Mr.)

Synopsis: Let. from this office to Dir. S.C. Lab. Fort Mon. N.J. requesting comments as to the feasibility and military value of the invention of Capt. H.G. Miller and Mr. Wm. F. Friedman, described herein.

Papers filed under:

311.5 - Gen.

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

008190 - 201 Friedman, William F.

May 23, 1936.

SUBJECT: Active Duty Training, Fiscal Year 1937.

TO: Major Gen. F. Friedman, Sig-Gen., 3932 Military Rd., Washington, D.C.

1. August 16 to 29, 1936, and April 11 to 24, 1937, have been designated as the active duty training periods for the Fiscal Year 1937 (July 1, 1936 to June 30, 1937), for Reserve officers assigned to this office. Effort will be made to arrange other suitable periods for officers who desire active duty training in this office or elsewhere but who cannot accept training during either of the regular periods.

2. In selecting trainees, the Chief Signal Officer is governed by available funds and the following War Department directives:

a. No Reserve officer who is drawing a pension, disability allowance, disability compensation or retired pay from the Government may be ordered to active duty.

b. Reserve officers, including Federal employees, who are performing work similar to that required of them under their mobilization assignment will be given a low priority for active duty training.

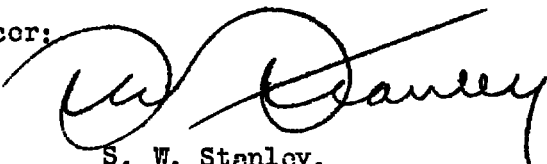
c. Except during his first year of service, no Reserve officer who has failed to complete at least 25 hours of inactive duty during the preceding year will be detailed for 14-day active duty; nor will any Reserve officer be so detailed in more than two consecutive years except in special cases.

d. Priority in active duty training will be given to those Reserve officers whose assignments are in the initial mobilization.

e. In the selection of Reserve officers for 14-day training all possible opportunity should be afforded recent graduates of the R.O.T.C. and those who will be commissioned this year.

3. In the hope that you will desire and can qualify, under paragraph 2 above, for active duty training during the fiscal year, there is attached hereto a form letter of application which should be completed, signed and returned to this office in duplicate not later than June 10, 1936.

By order of the Chief Signal Officer:


S. W. Stanley,
Lt. Col., Signal Corps,
Executive.

2 - Incls.
1 Application form (in triplicate)
2 Envelope

SIG. BS DATE 5/23/36

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

DATE April 25, 1936.

SUBJECT: Connection with Commercial Concerns.

TO: Mr. W. F. Friedman,
War Plans and Training Division.

1. Report is desired on any connection that you have with commercial organizations or corporations from which you may now or in the future reasonably expect to derive financial benefit, due to the receipt by such organizations of orders for Signal Corps equipment. Your answers may be made in the blank space following each question, and authenticated at the bottom of the sheet in the place indicated.

Q. 1. Do you hold more than one percent of the capital stock of any such corporation? If so, in what corporations, and in what amount?

no

Q. 2. Are you a partner in any such organization? If so, what is the organization, and what are the terms of your partnership?

no

Q. 3. Are you employed on a part time basis or as a consultant by any such organization or corporation? If so, by what organization or corporation, and on what basis?

no

Q. 4. Have you sold to such organizations or corporations commercial rights to any patents relating to Signal Corps equipment?

no

2. In case the answers made above require modification at any time during your assignment to duty in the Office of the Chief Signal Officer, report in writing to that effect will be made to the Chief Signal Officer.

By order of the Chief Signal Officer:



Colonel, Signal Corps,
Executive Officer.

The answers appearing after the above questions are made by the undersigned; are true and correct for this date.

Date April 27, 1936(Signature) William F. Friedman

MEMORANDUM FOR: Mr. W. F. Friedman,
War Plans and Training Division.

You are hereby assigned to develop improvement in arts of value to the Chief Signal Officer, during the period of your assignment to duty in the Office of the Chief Signal Officer.

It is expected that this work may result in the discovery of patentable features, and your assignment to this work is for the particular purpose of vesting in the United States all right, title and interest to any invention that you may make while engaged in the work assigned, if in the opinion of the Chief Signal Officer the public interest demands that the invention be owned and controlled by the War Department.

Acceptance of assignment to this work will constitute an agreement on your part to execute the papers required for complete assignment of any such invention to the United States in case the Chief Signal Officer decides that the invention should remain secret, or to execute the papers necessary for making application for patent and the assignment of the patent to the United States if secrecy is not necessary or is necessary only for a limited time. In the case of an invention which the Chief Signal Officer decides should remain secret acceptance of this assignment also constitutes an agreement on your part that you will not disclose the invention to unauthorized persons until such time as you are informed in writing by the Chief Signal Officer, or by his order, that the need for secrecy has ceased.

The assignment of the invention to the United States must be drafted in form to comply with requirements of law relating to patent applications coming under this category; but such assignment or instrument of transfer may in a proper case include suitable reservations to enable you to retain or repossess your commercial rights, in whole or in part, if and when the need for secrecy ceases to exist.

This notice of assignment to develop improvements in arts of value to the Signal Corps shall not be construed as divesting you of ownership of any invention made by you while engaged on this work, other than those which in the opinion of the Chief Signal Officer should be owned and controlled by the War Department to safeguard the public interest, except that the United States shall be entitled to a non-exclusive license to any and all inventions made by you in the course of the work assigned in the same way as if this special assignment had not been made.

By order of the Chief Signal Officer:

Lawrence C. Austin

Executive Officer

1st. Ind.

War Department, OCSigO, Washington, D. C.,
To: The Chief Signal Officer.

April 25, 1936

1. I hereby accept assignment to work under the conditions set forth in basic communication.

William F. Friedman

File

ROUTING AND WORK SHEET

(Par. 40.62 O. R.)

Subject Application of Wm. F. Friedman and Frank B. Rowlett - Cryptographs -

SN 70,412 - Filed March 23, 1936.

NUMBER EACH ACTION	TO-	MEMORANDUM	NAME, DIVISION OR BRANCH, AND DATE
1.	S.I.S. (Attention: Wm. F. Friedman)	<p>1. Attached herewith is a changed copy of the Amendment previously forwarded to you by this Branch.</p> <p>2. Since you desire to have the last line of claim 36 read "one or more terminals" instead of "more than one terminal", claim 39 has been added, reading the same as claim 36 but with this change.</p> <p>3. The Amendment was filed July 20, 1942.</p> <p style="text-align: right;"><i>RF</i></p> <p>Attached: Amendment - W. F. Friedman and F. B. Rowlett (SN 70,412).</p>	<p style="text-align: right;"><i>Det. C</i> Donald K. Huppincott, Lt. Col., SP6LG-36, 8/13/42</p>
		<p><i>File -</i> <i>201 - Friedman</i> <i>201 - Rowlett</i></p>	

IN THE UNITED STATES PATENT OFFICE

In re application of:

WILLIAM F. FRIDMAN and FRANK B. ROWLETT

Serial No. 70,412

Div. 53

Filed March 23, 1936.

CRYPTOGRAPHY

AMENDMENT

Hon. Commissioner of Patents,

Washington, D.C.

Sir:-

In response to the official letter of July 27, 1939, amendment is made as follows:

Claim 1 line 5 change "to cause" to: connected to

Claim 1 line 5 change "to perform" to: for effecting

Claim 2 line 5 change "to cause" to: connected to

Claim 2 line 5 change "to perform" to: for effecting

Claim 9, change the period at the end of the claim to a comma and add: said electrical means constituting means energized by the output of said commutators to energize said devices as well as to move said commutators irregularly according to the irregularities of the output of the commutators.

Claim 10 change the period to a comma and add: the least-named means comprising means driven by the output of the commutators for moving the commutators.

Claim 13 line 6 cancel: "self-controlled"

Claim 16 line 4 cancel: "self-controlled"

Claim 16 line 8 change: "permit" to cause

Claim 18 line 7 cancel: "means to provide". Change "channels" to: circuits

Claim 18 line 8 after "contacts" insert a comma and after such comma insert: means activated by said circuits

Claim 19 line 5 cancel "self controlled". Change the period at the end of the claim to a comma and add: said means also including means controlled by the output of said commutators for effecting movement of the commutators.

Claim 21 line 4, cancel "self controlled". Remove the period at the end of the claim and add: and including means related therewith for moving the same according to a law dependent on the output of the commutators.

Claim 22 lines 4 and 5, cancel "self controlled"

Claim 23 line 5 cancel "self controlled"

Claim 27 line 8 change "instrumentalities" to: means

Add the following claims:

34. In the art of cryptography, the method of enciphering a message which includes establishing a cryptographic relation between the plain text and the cipher text for a first plain text character, and changing the cryptographic relation for a subsequent plain text character in a manner dependent on the said cryptographic relationship for said first character.

35. In the art of cryptography, the method of enciphering a message which includes establishing a cryptographic relationship between the plain text and cipher text for each of a series of the characters to be transmitted which relationship is changed for each character in a degree dependent upon the cryptographic relationship of preceding input and output characters.

36. Control commutating means comprising in combination, a plurality of commutators cooperating to successively produce irregularities in the text transmitted therethrough, an output end plate cooperating with one of said commutators, a series of terminals located on said output end plate for receiving energization

from said commutators, and means connecting said terminals into
REF ID: A66329
a plurality of groups, each group including more than one terminal.

37. The combination, in a cryptograph machine, of a series of two or more commutators cooperating with each other to successively produce irregularities in the text transmitted therethrough, an end plate adjacent to the commutator at one end of the series, the commutator adjacent said end plate having two sets of segments, terminals in said end plate complimentary in number and position and cooperating with the respective segments in the commutator adjacent thereto, means connecting the first and second sets of segments of said end commutator in an irregular manner, the commutator at the end of the series opposite said end plate having only one set of segments, means cooperating with the commutator at the end of the series opposite said end plate for interconnecting the segments thereof, means feeding the input energizations to one of the terminals of said end plate, and means connecting terminals of said end plate together into a plurality of groups whereby to form an output.

38. In a system of cryptography, commutating means comprising

REF ID: A66329

a plurality of adjacent cooperating commutators, and plate means for feeding plain text energizations into one end of said commutating means and for receiving the scrambled text from said commutating means, a plurality of devices, one for each of said commutators respectively, each such device including means to rotate its respective commutator when the device is energized, second commutating means having its input energized and having a plurality of groups of output terminals, one group for each of said devices, said second commutating means including means for energizing said groups of output terminals in irregular fashion, and a plurality of means respectively responsive to energization of said groups for respectively energizing said devices.

39. Control commutating means comprising in combination, a plurality of commutators cooperating to successively produce irregularities in the text transmitted therethrough, an output end plate cooperating with one of said commutators, a series of terminals located on said output end plate for receiving energization from said commutators, and means connecting said terminals into a plurality of groups, each group including one or more terminals.

REMARKS

This is a "three-year" case and consequently this amendment is

REF ID: A66329
a reasonable response to the official letter of July 27, 1939. All 33 claims remain in the case.

The official letter of July 27, 1939 states that the claims are rejected on the art as previously applied. A study of the record indicates that claims 1, 2, 9, 10, 12, 13-16, 18-23, and 27 were previously rejected and a response to that rejection is contained herein.

The examiner in his letter of July 24, 1936 rejected all claims on the ground the structure and function of the universal bar is insufficiently disclosed. If applicant overcomes this ground of rejection it is then apparent that claims 3-8, 11, 17, 24-27, and 28-33 which have not heretofore been rejected on any ground other than inadequate disclosure are apparently allowable.

The term "universal bar" has a recognized meaning in the art and accordingly a detailed description of the function and mode of operation of a universal bar is not believed necessary. As was said by the Supreme Court in Webster Loom Co. v. Higgins, 105 U.S. 580, 586, and also in Carnegie Steel Co. v. Cambria Iron Co. 185 U.S. 403, 437: "that which is common and well known is as if it were written out in the patent and delineated in the drawings."

The applicant has amended the remaining claims in an attempt to conform to the examiner's views. If the examiner has ideas on specific changes of wording or showings in the drawings and desires to suggest any changes in wording or showings, applicant will be glad to receive the suggestions.

The claims are all thought to be patentable since the references do not use the output of their commutators to control the movement of the commutator but the keys themselves control the commutators. The cryptographic security of applicant's construction is therefore very much greater. This is one of those cases often found in patent matters where a simple change effects marked improvement in results - in this case a marked increase in cryptographic security. The claims call for a double function of the commutating means, one function to move the commutating means and another function

is to code the message. Moving the commutating means in an irregular fashion depending upon the cryptographed output of the commutating means is not found in the cited prior art patents.

Method claims 34 and 35 differ from the art cited by the examiner in that cryptographic relation for subsequent plain text characters is changed in a manner dependent on the cryptographic relationship of the character transmitted. New claims 36 and 37 relate specifically to the control commutator per se of Figure 2, in which a plurality of commutators are connected together. New claim 38 relates to a combination of a control commutators that respectively control the movement of the several commutators that constitute the main commutating means. Therefore claim 38 is patentable for the same reasons as claims 1-33, inclusive. Claim 39 covers the same subject matter as claim 36 except that it is slightly broader in scope, and it is patentable for the same reason.

Respectfully submitted



William D. Hall
Attorney for Applicant.

Public Voucher for Reimbursement of Travel and Other Expenses
Including Per Diem

Voucher No. _____
No. _____

Return to →

SIGNAL CORPS.
War Department

GENERAL ACCOUNTING OFFICE PREAUDIT
Certified for payment in the sum of \$
J. R. McCARL, Comptroller General of the United States.
By _____

U. S. _____
FD 1423 2-210-0600-1-085-6
(Department, Bureau, or Establishment)

PAID BY

(For use of Paying Office)

Appropriation: _____
86085 - Travel of the Army, 1936.

THE UNITED STATES, Dr., William F. Friedman
To _____
Office of the Chief Signal Officer
Munitions Building, Washington, D. C.
(Address)

Official Headquarters _____ Domicile _____ Residence _____
(For use of the Postal Service only)

FOR REIMBURSEMENT of travel and other expenses incurred in the discharge of official duty
from February 5, 1936, to February 11, 1936,
as per itemized statement within, under authority No. _____, dated (Jan. 15, 1936)
(Feb. 1, 1936)

AMOUNT		NOTATIONS
Dollars	Cents	(Payee must not use this column)
<u>12</u>	<u>50</u>	<u>\$12.50</u>

(Additional statements by Department,
Bureau, or Establishment,
if deemed necessary)

(ACCOUNTING CLASSIFICATION)

(Payee will NOT use this space)
Differences _____
Account verified; correct for \$ _____
(Signature or initials)

Army Finance Office, Washington, D.C.
Date 2/18/36, Paid on Vou. No. 4262
Money Acct. of E.C. Morton, Major, F.D.

CHIEF SIGNAL OFFICER
FEB 20 1936

MEMORANDUM

Cryptanalyst

FILE
SIG jc DATE 2/20/36

Major, Signal Corps

Paid by { Check No. _____, dated _____, 19____, for \$ _____ } on Treasurer of the United States
in favor of payee named above
{ Cash, \$ _____, on _____, 19____ }

notes 10 972

ITEMIZED SCHEDULE OF TRAVEL AND OTHER EXPENSES

1. Give duty status on first day of voucher period:

* Arrived at Fort Monmouth, New Jersey on February 5, 1936
 for temporary duty for approximate period three days
 Approximate date of return to official headquarters February 11, 1936

2. State authorized allowance for per diem in lieu of subsistence: \$ 5.00 †

3. State authorized allowance for actual subsistence expenses: Not to exceed \$ _____ † per day.

* If authority provides for travel to more than one point, time of arrival and departure from each should be stated in the body of the account in chronological order.

† If more than one rate of allowance is authorized, full statement of application of each rate must be given in some convenient place on this voucher.

DATE 19 <u>36</u>	CHARACTER OF EXPENDITURE (To be itemized by the day and fully explained)	SUB- VOU. NO.	AMOUNT		NOTATIONS (Payee must not use this column)
			SUBSISTENCE	OTHER	
Feb. 5	Left Washington, D. C. 1:00 P.M. ✓				
	Arrived Fort Monmouth, New Jersey 6:15 P.M. ✓				
Feb. 7	Left Fort Monmouth, New Jersey 1:57 P.M. ✓				
	Arrived New York City 3:10 P.M. ✓				
	✓ On annual leave from 2:30 P.M., February 7, 1936 until 12:40 A.M., February 11, 1936				
Feb. 11	Left New York City 12:40 A.M. ✓				
	Arrived Washington, D. C. 7:15 A.M. ✓				
	<u>2 1/2</u> <u>2 1/2</u> days @ \$5.00 ✓				
					13.75 #12.50

TOTALS (to be carried forward to Continuation Sheet, if necessary)

TOTAL AMOUNT OF VOUCHER (not to be used when totals are carried forward to Continuation Sheet)

~~23 95~~ \$12.⁵⁰

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

201 Friedman, W.F.

1st Ind.

2

WD, GCSigO, Washington, Feb. 14, 1936 - To Mr. William F. Friedman, thru
O.I.C., War Plans & Training Div.

1. The commendatory remarks of the Commandant, The Signal Corps
School, as set forth in basic communication have been noted by the under-
signed and I desire to express my gratification for the able manner in
which the subject matter of your lecture was presented at that school.

Dawson Okstead,
Colonel, Signal Corps,
Acting Chief Signal Officer of the Army.

13

FILESIG. DATE *2/15/36*

THE SIGNAL CORPS SCHOOL
United States Army
Fort Monmouth, Oceanport, New Jersey

FM (S.SCH) 352.13

February 12, 1936.

Subject: Appreciation

To: Mr. W. F. Friedman, Office Chief Signal Officer,
(THRU: The Chief Signal Officer, Washington, D. C.)

On behalf of The Signal Corps School, I desire to thank you for the excellent code and cipher lecture given by you on February 6, 1936 at Fort Monmouth. This lecture was most interesting and instructive, and occasioned much favorable comment from students and post personnel alike. I feel that all present gained material benefit therefrom.

(Signed) A. S. Cowan,

A. S. COWAN,
Colonel, Signal Corps,
Commandant.

WAR DEPARTMENT

201 Friedman, Wm. F.

OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

February 14, 1936.

Mr. Wm. F. Friedman.

Commandant, The Signal Corps School, Fort Monmouth, N. J.

1. The undersigned has noted with considerable gratification the remarks contained in your letter of February 12, 1936, file FM (S. SOH) 852.13, subject, "Appreciation", with respect to the able manner in which Mr. William F. Friedman, cryptanalyst, Signal Service at large, presented his lecture at The Signal Corps School on February 6, 1936, and has directed that suitable notation thereof be made a matter of record in this office.

Dawson Glustead,
Colonel, Signal Corps.
Acting Chief Signal Officer of the Army.

EG

FILE

SIG. FILED DATE *2/14/36*

201.-Friedman, William F. 1st Ind. 3
 War Department, OCSigO, Washington, February 12, 1936. - To the Finance Officer,
 U. S. Army, Washington, D. C.

Recommending settlement.

Dawson Olmstead
 Colonel, Signal Corps,
 Acting Chief Signal Officer of the Army.

EB

*File to Friedman & rel
 P D 13.75
 Feb 5 - 11/31*

FILE	
SIG. <i>Kim</i>	DATE <i>2/12</i>

201 Friedman, W. F.

1st Ind.

2

WD, OCSigO, Washington, Feb. 14, 1936 - To Mr. William F. Friedman, thru
O. I. C., War Plans & Training Div.

1. The commendatory remarks of the Commandant, The Signal Corps
School, as set forth in basic communication have been noted by the under-
signed and I desire to express my gratification for the able manner in
which the subject matter of your lecture was presented at that school.

(Signed) Dawson Olmstead

Dawson Olmstead,
Colonel, Signal Corps,
Acting Chief Signal Officer of the Army.

OCSigO 201 Friedman, W. F.
(2-12-36)

2nd Ind.

3

OIC, WP&T Div., OCSigO, Washington, February 15, 1936. To: Mr. William
F. Friedman.

Noted.

(Signed) W. S. Rumbough

W. S. Rumbough,
Major, Signal Corps,
OIC, War Plans & Train. Div.

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

201 Friedman, W.F.

1st Ind.

2

WD, OCSigO, Washington, Feb. 14, 1936 - To Mr. William F. Friedman, thru
O.I.G., War Plans & Training Div.

1. The commendatory remarks of the Commandant, The Signal Corps School, as set forth in basic communication have been noted by the undersigned and I desire to express my gratification for the able manner in which the subject matter of your lecture was presented at that school.

Dawson Omstead,
Colonel, Signal Corps,
Acting Chief Signal Officer of the Army.

OCSigO 201 Friedman, W. F.
(2-12-36)

2d Ind.

3

OIC, WP&T Div., OCSigO, Washington, February 15, 1936. To: Mr. William
F. Friedman.

Noted.

W. S. Rumbough,
Major, Signal Corps,
OIC, War Plans & Train. Div.

FILE	
SIG. <i>Clones</i>	DATE ^{7/1} 36

2.

OCSigO 201 Friedman, William F.
(1-15-36)

1st Ind.

8

WD, OCSigO, WP&T Div., January 15, 1936. To: William F. Friedman, WP&T
Div., OCSigO.

For compliance.

By order of the Chief Signal Officer.

*attached to
let 1/14 - Orders
for Mrs Friedman*

W. S. Rumbough,
Major, Signal Corps.

FILE
SIG. *Lozys...* DATE *1/15/36*

WAR DEPARTMENT
THE ADJUTANT GENERAL'S OFFICE
WASHINGTON

OFFICE
CHIEF SIGNAL OFFICER

IN REPLY
REFER TO

OCT 22 1935

MAJ. WILLIAM FREDERICK FRIEDMAN,

SIG-RES O-166764-BA
3932 MILITARY ROAD, 12-7-30
WASHINGTON, D.C. 12-6-35

OCT. 22, 1935
DATE MAILED

The Secretary of War directs me to notify you that by direction of the President you have been reappointed in the Army of the United States, in the grade and section you now hold - indicated in the above address - for a period of five years beginning on the day following the one upon which your current appointment expires. The date of expiration of your current appointment is shown in the lower right-hand corner of the address above.

There is inclosed herewith an oath of office, which you are requested to execute and mail to the agency designated by the Corps Area Commander, on or before the day following the one upon which your current appointment expires. Upon receipt of the oath of office duly executed a commission evidencing your appointment will be sent to you.

The timely execution and mailing of the required oath of office as above indicated constitute an acceptance of this appointment. No other evidence of acceptance is required or desired.

You are further informed that unless this appointment is accepted by the execution and mailing of the oath of office in the manner and within the time above stated your status as an officer of the Army of the United States cannot be regarded as continuous, and that unless so accepted this appointment is to be regarded as withdrawn at the end of the day following the one upon which your current appointment expires.

J. T. Wenzis

Adjutant General.

Inclosures: Form for oath of office.
Important Notice.

Accepted as above

November 6, 1935

FRIEDMAN		WRI
SIG...	DATE: 11-13-35	

OSigO-201-Friedman, William Frederick (9-23-35)Res.

1st Ind.

5

War Department, OSigO., September 24, 1935 - To: The Adjutant General.

1. In connection with the foregoing attention is invited to the letter from this office dated September 8, 1935, file OSigO-201-Friedman, William Frederick (9-23-35)Res., subject: Reappointment, addressed to The Adjutant General, and the letter from The Adjutant General referred to in paragraph 3 of basic communication.

For the Chief Signal Officer:

1 Incl. (no change)

John H. Minemon, Jr.,
Lieut. Colonel, Signal Corps.

<p>FILE</p> <p>WRI</p> <p>SIG...K...DATE 9-24-35</p>
--

HEADQUARTERS THIRD CORPS AREA
 UNITED STATES ARMY
 BALTIMORE MARYLAND

201- Friedman, William Frederick.
 78 (9-23-35)

September 23, 1935. 4.

Subject Reappointment
 Through. The Chief Signal Officer.

To The Adjutant General, War Department,
 Washington, D C

1 The records of this headquarters indicate that the current appointment of Major William F. Friedman, Sig-Res., 3932 Military Road, Washington, D.C.

will expire December 6, 1935.

2 Major Friedman does ----- meet the requirements for reappointment with the privilege of promotion, assignment, and active duty training as set forth in section IV, AR 140-5, in that he has earned only 5 hours credit during his current appointment and has not secured a certificate of capacity.

3. Reappointment, without restriction, is recommended. In this connection reference is made to letter from the War Department, File AG 201-Friedman, William Frederick, (9-17-35), dated September 17, 1935.

For the Commanding General.

1 Incl.
 Form 63, AGO (9-9-35).

H. H. PFELL
 Lt. Col. A G D.
 Assistant Adjutant General

OCSigO - 201

WAR DEPARTMENT

Chief Signal Officer of the Chief Signal Officer
Washington

September 21, 1935.

SUBJECT: Reserve and National Guard Officers' Course, The Command and General Staff School, Fort Leavenworth, Kansas.

TO: Col. W. P. Friedman, 3932 Military Rd., Washington, D. C.

1. The Chief Signal Officer has been authorized to recommend, not later than December 1, 1935, the name of one Signal Reserve officer of the arm and service assignment group who desires to take the three months' course for Reserve and National Guard officers at the Command and General Staff School, Fort Leavenworth, Kansas, commencing March 16, 1936.

2. Instructions relative to the selection of the Reserve officer include the following:

"Priority in making recommendations for this purpose will be given first to officers of field grade who have creditably completed the entire Command and General Staff School Extension Course, and second to captains who have creditably completed the Command and General Staff School Extension Course. In no case will officers who have not completed the entire course be selected.

"Officers recommended will be less than forty-eight years of age March 1, 1936."

"No officer drawing a pension, disability allowance, disability compensation or retired pay from the Government, may be placed on an active duty status."

"Public quarters may not be available for officers who attend this course."

3. It is desired that you accomplish the enclosed application form and mail two copies to the Chief Signal Officer, not later than November 5, 1935. A franked envelope is enclosed for this purpose.

By order of the Chief Signal Officer:

W. S. Rumbough
W. S. Rumbough,
Major, Signal Corps.

- Incls.
Application (in trip.)
Envelope.

SIG. OFF. FILE
DATE 9/21/35
WRI

YCB

1st Ind.

Friedman, W.F., Major, Sig-Res., 3932 Military Road, Washington, D. C.,
September 17, 1935 - To: Commanding General, Third Corps Area, Baltimore,
Maryland.

Attached hereto is report of physical examination requested in
Par. 5 of basic letter.

William F. Friedman,
Major, Signal Reserve.

Encl.
Report of Physical
Examination.

AG 201 Friedman, William Frederick
(9-17-35) Res.

September 17, 1935
ab 463

Reappointment.

Through: Commanding General, Third Corps Area.

Major William Frederick Friedman, Sig-Res.,
3932 Military Road,
Washington, D. C.

Under the provisions of paragraph 28, AR 140-5, you are considered qualified for reappointment with eligibility for assignment, active duty and promotion, which reappointment will be tendered you at the proper time, provided a satisfactory report of physical examination is submitted promptly so as to reach this office in sufficient time prior to expiration of current appointment, December 6, 1935.

By order of the Secretary of War:

J. F. Wannie

Adjutant General.

Copy for: Chief Signal Officer.

FILE

SIG. H.K. DATE 9.17.35

CCSigO-201-Friedman, William Frederick
(9-6-35) Res.

September 6, 1935.

Reappointment.

The Adjutant General.

1. The records of this office show that the current appointment of Major William Frederick Friedman, Signal Corps Reserve (O-166764), Arm and Service Assignment Group, expires on December 6, 1935, and that he has not qualified for reappointment with full eligibility as prescribed in paragraph 26 a, Army Regulations 140-5.

2. The required reports in this case have not yet been received from the corps area commander.

3. It is recommended, however, under the provisions of paragraph 28 a (1), Army Regulations 140-5, provided a satisfactory report of physical examination is received, that Major Friedman be reappointed with eligibility for assignment, active duty training, and promotion in time of peace, as his work in civil life is similar to and fits him for the work he would be called upon to perform in the event of war.

4. In view of the above recommendation and in compliance with paragraph 28 a (2), Army Regulations 140-5, the following information is furnished:

This Reserve officer is now and has been for the past 15 years a cryptanalyst on duty in this office.

According to the records of this office he has not earned any credits during current appointment.

He is assigned to the Signal Intelligence Division, Office of the Chief Signal Officer, for duty in time of emergency, in connection with code and cipher work. In view of his years of experience as a cryptanalyst in this office he is considered to be of great value to the Officers' Reserve Corps.

5. In compliance with paragraph 28 a (2), Army Regulations 140-5, there is inclosed a certificate signed by the Chief Signal Officer in the case of this Reserve officer.

For the Chief Signal Officer:

John H. Hinemon, Jr.,
Lieut. Colonel, Signal Corps.

1 Incl.
Certificate.

FILE
1935
SIG...DATE 9-6-35

CCSigO-201-Friedman, William Frederick
(9-6-35)Res.

September 6, 1935.

C E R T I F I C A T E

I hereby certify, to the best of my knowledge and belief,
that the work in civil life of Major William Frederick Friedman,
Signal Corps Reserve, qualifies him for the duties he would be
required to perform under his present assignment in time of
emergency.

J. B. Allison,
Major General,
Chief Signal Officer of the Army.

Public Voucher for Reimbursement of Travel and Other Expenses
Including Per Diem

Voucher No. _____
No. _____

GENERAL ACCOUNTING OFFICE
PREAUDIT

Certified for payment in the

sum of \$ _____

J R McCARL,
Comptroller General of
the United States

By

U S War Department 85085 - T.M. & C.P., W.D., 1935

(Department, Bureau, or Establishment)

Appropriation ~~FD 1423 P 210-0630 A 085-5~~ ~~MINN-~~ \$17.50

FD 1423 P 210-0600 A 085-5 ----- 19.32

THE UNITED STATES, Dr., TOTAL ----- \$ 36.82

To Mr. William F. Friedman

(Payee)

Office of Chief Signal Officer, War Department,

Munitions Building, Washington, D.C.

(Address)
Domicile

Residence _____

(For use of the Postal Service only)

PAID BY

(For use of Paying Office)

Official Headquarters

FOR REIMBURSEMENT of travel and other expenses incurred in the discharge of official duty

from June 16, 1935 19__ to June 20, 1935

as per itemized statement within under authority ~~his~~ letter dated May 29, 1935 \$ _____

AMOUNT		NOTATIONS
Dollars	Cents	(Payee must not use this column)
		\$36.82

(Additional statements by Department, Bureau or Establishment, if deemed necessary)

(ACCOUNTING CLASSIFICATION)

(Payee will NOT use this space)

Differences _____

Account verified correct for \$ _____

(Signature or initials)

Army Finance Office, Washington, D.C.
Date 7/31/35, Paid on Vou. No. 1547
Money Acct of E. C. Morton, Major, 71

Cryptanalyst

MEMORANDUM

S. B. Akin,
Major, Signal Corps.

Paid by { Check No. _____ dated _____ of \$ _____
{ Cash, \$ _____, on _____
(on Treasurer of the United States in favor of payee named above)

FILE 1935
DATE 7/18
SIG. W.F.F.

MEMORANDUM—DO NOT SIGN

ITEMIZED SCHEDULE OF TRAVEL AND OTHER EXPENSES

1 Give duty status on first day of voucher period

* Arrived at ~~Port Monmouth, New Jersey~~ on **June 16**, 19**35**
 for temporary duty for approximate period **of six days, including duty at Governors Island, N.Y.**
 Approximate date of return to official headquarters **June 21**, 19**35**

2 State authorized allowance for per diem in lieu of subsistence \$ **5.05** †

3 State authorized allowance for actual subsistence expenses Not to exceed \$ _____ † per day

* If authority provides for travel to more than one point time of arrival and departure from each should be stated in the body of the account in chronological order

† If more than one rate of allowance is authorized full statement of application of each rate must be given in some convenient place on this voucher

DATE 19 35	CHARACTER OF EXPENDITURE (To be itemized by the day and fully explained)	SUB VOU NO	AMOUNT		NOTATIONS (Payee must not use this column)
			SUBSISTENCE	OTHER	
June 16	Left Washington, D. C., at 7:45 A.M. Odometer reading at D.C. line - 9319 Arrived at Fort Monmouth, N. J., at 2:10 P.M. Odometer reading entering post - 9230				
17	Left Fort Monmouth, N. J., at 4:30 P.M. Odometer reading on leaving post - 9263 Arrived New York City at 6:05 P.M. Odometer reading, Holland Tunnel, New York end - 9311				
18	Temporary duty at Governors Island				
19	On Annual Leave				
20	Left New York City at 9:15 A.M. Odometer reading, Holland Tunnel New York end - 9407 Arrived Washington, D. C., 5:45 P.M. Odometer reading at D.C. line - 9640 Mileage Washington, D. C., to Fort Monmouth - 211 miles allow - 45 ✓ Fort Monmouth to New York City - 48 ✓ allow 227 ✓ New York City to Washington - 237 ✓ Total mileage 483 ✓ @ 4¢ per mile ✓ 3 1/2 days @ \$5.00 per day				19 35 #1932 1750

I certify that the car used for the above travel is my personally owned automobile and that none of the mileage claimed was performed within the corporate limits of my organization.

EC 5 - 1721

TOTALS (to be carried forward to Continuation Sheet, if necessary)

TOTAL AMOUNT OF VOUCHER (not to be used when totals are carried forward to Continuation Sheet)

~~38 23~~ 36 ⁸²

201.-Friedman, William F. 1st Ind. 5
 War Department, OCSigO, Washington, June 25, 1935. - To the Finance Officer, U. S.
 Army, Washington, D. C.

Recommending settlement.

For the Chief Signal Officer:

Dawson Olmstead
 Lt. Col., Signal Corps,
 Executive.

83

As to man to try & see

June 16 - 20
3 3/4 days 18.75
19.68

38.43

1 day ann leave

FILE	
SIG. <i>pm</i>	DATE <i>6/25</i>

OCSigO 201 Friedman, William F.
(5-29-35)

1st Ind.

8

OIC, WP&T Div., OCSigO, Washington, May 31, 1935. To: Mr. William F. Friedman.

FILE

G. Cloyes

DATE

WRI
5/31/35

201-Friedman, W. F.

2nd Ind.

ACV/hl

Hq., 2nd Corps Area, OSigO, Governors Island, N. Y., May 28, 1935. To Chief Signal Officer of the Army, Washington, D. C.

The visit of Mr. Friedman at this office after June 15th and before June 30th, 1935 is satisfactory. However, suggest he visit here before going to Fort Monmouth.

ALVIN C. VORIS
Colonel, Signal Corps
Signal Officer

OCSigO 201 Friedman, W. F.
(5-24-35)

3rd Ind.

8

WD, OCSigO, Washington, May 31, 1935. To: Commanding Officer, Fort Monmouth, N. J., and Signal Officer, Second Corps Area, ~~IN THEM.~~

1. Mr. Friedman will arrive at Fort Monmouth June 17th and at Headquarters, Second Corps Area on or about June 18th, 1935.

2. Due to the nature of the material Mr. Friedman is to transport to the Signal Corps Laboratories, it will be impractical for him to visit Governors Island prior to visiting the Signal Corps Laboratories.

By order of the Chief Signal Officer.

Handwritten:
Done
5/24/35
W.F.F.

Handwritten:
W.F.F.
S. B. Azin,
Major, Signal Corps.
Signature: W.F.F.

FILE WRI

SIG *W.F.F.* DATE 5/31/35

FM(HQ) 311.5

1st Ind.

SHS-am

HEADQUARTERS FORT MONMOUTH, OCEANPORT, NEW JERSEY, May 27, 1935. To: Chief Signal Officer, War Department, Washington, D. C. (Thru: Signal Officer, Second Corps Area, Governors Island, New York.)

It is suggested that Mr. Friedman's trip to Fort Monmouth be postponed until after June 15th. Any day after June 15th will be satisfactory to this office.

(Signed) A. S. Cowan

A. S. COWAN,
Colonel, Signal Corps,
Commanding.

C

P
Y

OCSigO 201-Friedman,W.F.

8

May 24, 1935

Trip by Mr. William F. Friedman to Fort Monmouth, N.J., and Governors Island, New York.

Commanding Officer, Fort Monmouth, New Jersey, and Signal Officer, Second Corps Area, Governors Island, New York, in turn

1. The Chief Signal Officer is contemplating ordering Mr. William F. Friedman to proceed to Fort Monmouth, N.J., for a period of one day for the purpose of returning the Converter, Type M-134, to the Signal Corps Laboratories, and then to proceed to Governors Island, N.J., for a period of two days to confer with the Signal Officer, Second Corps Area, relative to the activities of the Signal Intelligence Service during the First Army Maneuvers. It is desired that this travel be performed during the month of June 1935.

2. Your concurrence or comment is requested. It is also requested that you recommend suitable dates for the proposed trip.

Dawson Olmstead,
Lieut. Colonel, Signal Corps,
Acting Chief Signal Officer of the Army.

HPK
7/26/35

CCP 2

file
7

SUSPENSE

WRI

DATE *May 31 1935*
SIG. *J. V. N. N.*

WAR DEPARTMENT
Office of the Chief Signal Officer
Washington

In reply
refer to

May 6, 1935.

~~CSigc 201-712001, William Frederick (S-S-38) Man.~~

Subject. Qualification Card.

To ~~Major William F. Friedman, Signal Corps,
3032 Military Road,
Washington, D. C.~~

1. In order to bring the records of this office up to date it is requested that you fill out the inclosed card and return it at the earliest practicable date. There is inclosed for the purpose a franked envelope which requires no postage.

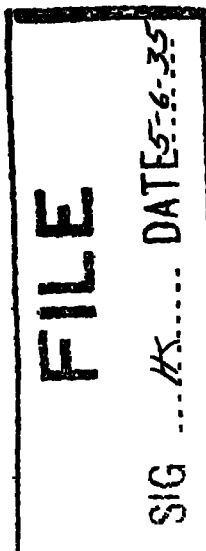
2. If you should change your occupation at any time it is requested that you advise this office accordingly so that the records may be kept current relative thereto.

By order of the Acting Chief Signal Officer

John H. Hinemon, Jr.

John H. Hinemon, Jr.,
Major, Signal Corps.

2 Incls.



WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

CO: Sig 201-Friedman, G.F.

April 25, 1935

SUBJECT: Active Duty Training, Fiscal Year 1936.

TO: Major William F. Friedman, Sig.-Gen.,
Office of the Chief Signal Officer,
Washington, D. C.

1. August 18 to 31, 1935, and April 12 to 25, 1936. have been designated as the active duty training periods for the Fiscal Year 1936 (July 1, 1935 to June 30, 1936), for Reserve officers assigned to this office. Suitable periods other than those stated above for active duty training at agencies outside this office will be arranged for other Reserve officers in the Arm and Service Assignment Group where practicable.

2. In selecting trainees, the Chief Signal Officer is governed by available funds and the following War Department directives:

a. No Reserve officer who is drawing a pension, disability allowance, disability compensation or retired pay from the Government may be ordered to active duty.

b. Reserve officers, including Federal employees, who are performing in the course of their every day occupations a class of work similar to the duty they may be called upon to perform under their war assignments will be given a low priority for active duty training.

c. Only in exceptional circumstances will officers who have failed to pursue satisfactorily the inactive duty training prescribed, be ordered to active duty.

d. Priority in active duty training will be given to those Reserve officers whose assignments are in the initial mobilization.

e. In the selection of Reserve officers for 14-day training all possible opportunity should be afforded recent graduates of the R.O.T.C. and those who will be commissioned this year.

3. In the hope that you will desire and can qualify, under paragraph 2 a above, for active duty training during the next fiscal year, there is attached hereto a form letter of application which should be completed, signed and returned to this office in duplicate not later than May 15, 1935.

FILE	
SIG. <i>Ans?</i>	DATE <i>4/25/35</i>

Dawson Olmstead
Dawson Olmstead,
Lt. Col., Signal Corps,
Acting Chief Signal Officer of the Army.

4/25/35

2 Incls.

- 1-Application form (in trip.)
- 2-Envelope

Serial No. (0-166764)

ABSTRACT OF RECORD, RESERVE OFFICERS.

Friedman	William	Frederick	Major	SC	B. A. G.		
(Surname)	(First Name)	(Middle Name)	(Grade)	(Arm)	(Assignment)	(Assignment)	(Duty)
					Jurisdiction		

Date of birth 9/24/91 Address Beach Avenue, Bethesda, Maryland.

Active Service desired	(Any time <input checked="" type="checkbox"/>)	Days advance notice desired on call to active duty for-	
	(Case of War <input type="checkbox"/>)		(a) 1 month or less <u>3 days</u>
	(Other <input type="checkbox"/>)		(b) Longer period. <u>10 days</u>

Generally classified as for.	Other status in Military Forces
Date _____	Date _____
Service with Troops _____	Officer in N. G. _____
Special Service <input checked="" type="checkbox"/>	Enl.R.A. _____ Enl.N.G. _____

Educational qualifications: "Grad. Pittsburgh Central High School (4 yrs.)" "B.S., Cornell University (4 yrs.)" "One & one half yrs. Cornell University Graduate School."

Principal civil occupations. Analysis & Compilation of Codes and Ciphers (7 yrs.)
Breeding of Plants, genetics, and instruction in same (4 yrs.)

Duties best qualified for Codes & Ciphers.

Battles, engagements, etc. On duty at GHQ, AEF, throughout service June 1918 to March 1919

Decorations, citations, wounds. _____

Remarks Speaks French & German fairly. Translates & reads French & German.

MILITARY SERVICE PRIOR TO DECEMBER 31, 1920.

From -	To -	Grade & Organization	Duties performed.
6/1/18	7/7/18	1st Lt. M.I.D.	Casual Travel to Station
7/7/18	2/25/19	" " " "	G-2, Enemy Codes
2/26/19	5/1/19	" " " "	Travel to U.S.

ACTIVE FEDERAL SERVICE SUBSEQUENT TO DECEMBER 31, 1920.

From -	To -	Grade & Organization	Duties performed.	Rating.
12/9/24	12/23/24	Capt. SC	Dy. Lab. of AT&T, Gen. l to pursue course study in automatic signal communication apparatus & Op. Tail, NJ, to give course of lectures Military Codes & Ciphers at SC Sch., par. 31, SO. 281, WD. 11/25/24. Will rank from 12/9/24.	
12/8/25	12/22/25	Major SC	Trg. at Ft. Monmouth, NJ, par. 9, SO. 236, WD. 10/7/25. Will rank from 11/25/25.	
12/9/26	12/22/26	Major SC	Act. dy. as instructor in codes & ciphers at Ft. Monmouth, NJ, par. 14, SO. 266, WD. 11/9/26. RE fr 11/23/26.	
12/8/27	12/19/27	Major SC	Act. dy. trg. at Ft. Monmouth, NJ, par. 11, SO. 243, War Dept. 10/13/27. Will rk fr 10/21/27	

Par. 31, S.O., 281, W.D., 11/24/24.

With his consent is ordered to active duty 15 days, effective 12/9/24, on which date will proceed to Governors Island, N.Y., Reporting upon arrival to C.G., 2nd C.A., for assignment to duty in laboratories of A.T.&T.Co., N.Y.C., for purpose of pursuing course of study in automatic signal communication apparatus. Will be relieved from this duty on 12/13/24, on which date will proceed to Camp Alfred Vail, New Jersey, reporting upon arrival to Commandant Signal Corps School for purpose of giving course of lectures on military codes & ciphers at the Signal Corps School. Will revert to inactive status on 12/23/24. Will rank from 12/9/24.

OCSigO 352.13 Lectures, Gen.

8

March 26, 1935.

Mr. Frank E. W. Burke,
 Assistant Superintendent,
 Commanding Detective Bureau,
 Metropolitan Police Department,
 Washington, D. C.

Dear Sir:

Receipt is acknowledged of your letter of March 23, 1935 to the Chief Signal Officer (your file IS-47700) asking whether Major William F. Friedman, Signal Reserve, can deliver two lectures on Code Messages before the class on Cryptology.

The Chief Signal Officer is glad to approve the delivery of those lectures. Arrangements may be made directly with Major Friedman.

Yours very truly,

Henry L. P. King,
 Captain, Signal Corps.

✓ X 701 - Friedman, Wm. F.

Public Voucher for Reimbursement of Travel and Other Expenses
Including Per Diem

Voucher No. _____
No. _____

Return to →

SIGNAL CORPS, U. S. ARMY.

GENERAL ACCOUNTING OFFICE
PREAUDIT
Certified for payment in the
sum of \$ _____
J. R. McCARL
Comptroller General of
the United States
By _____

U. S. War Department
(Department, Bureau, or Establishment)
Appropriation: FD 1423 P 210-0630 A 085-5
T. M. & C. P., W. D., 1935
THE UNITED STATES DEPARTMENT OF WAR
To: Mr. William F. Friedman
(Payee)
Office of the Chief Signal Officer,
Washington, D.C.
(Address)

PAID BY _____
(For use of Paying Office)

Official Headquarters _____ Domicile _____ Residence _____
(For use of the Postal Service only)

FOR REIMBURSEMENT of travel and other expenses incurred in the discharge of official duty
from January 13, 1935, to January 26, 1935,
as per itemized statement within; under authority Max OCSigO dated January 3, 1935

AMOUNT		NOTATIONS (Payee must not use this column)
Dollars	Cents	
22	50	

(Additional statements by Department, Bureau, or Establishment, if deemed necessary)

(ACCOUNTING CLASSIFICATION)

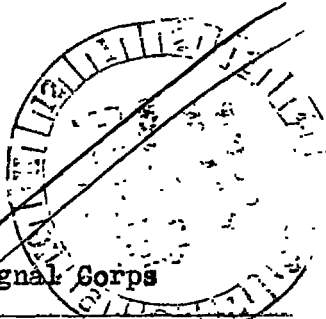
(Payee will NOT use this space)
Differences _____
Account verified, correct for \$ _____
(Signature or initials)

Handwritten: Paid on You. No. 4352
Major, S.C. Morton, M.C. Major, S.C.

MEMORANDUM

Cryptanalyst

1935 FEB - 9 - AM 11:50



Major, Signal Corps

Paid by Check No. _____, dated _____, 19____, for \$ _____ (on Treasurer of the United States in favor of payee named above)
Cash, \$ _____, on _____

FILE
SIG. *[Signature]* DATE 7/11

ITEMIZED SCHEDULE OF TRAVEL AND OTHER EXPENSES

1. Give duty status on first day of voucher period:

* Arrived at Fort Monmouth, New Jersey on January 13, 1935for temporary duty for approximate period of 5 daysApproximate date of return to official headquarters January 17, 19352. State authorized allowance for per diem in lieu of subsistence: \$ 5.00 †

3. State authorized allowance for actual subsistence expenses: Not to exceed \$ _____ † per day.

* If authority provides for travel to more than one point, time of arrival and departure from each should be stated in the body of the account in chronological order.

† If more than one rate of allowance is authorized, full statement of application of each rate must be given in some convenient place on this voucher.

DATE 19 <u>35</u>	CHARACTER OF EXPENDITURE (To be itemized by the day and fully explained)	SUB- VOU. NO.	AMOUNT		NOTATIONS (Payee must not use this column)
			SUBSISTENCE	OTHER	
Jan. 13	Left Washington at 1:00 P.M.				
	Arrived at Newark, N. J. at 5:17 P.M.				
	Left Newark, N. J. at 6:05 P.M.				
	Arrived Red Bank, N.J. at 6:54 P.M.				
Jan. 17	Arrived Fort Monmouth, N.J., at 7:00 P.M. (by auto)				
	Left Fort Monmouth, N.J. (by auto) 1:30 P.M.				
	Arrived Red Bank, N.J., at 1:50 P.M.				
	Left Red Bank, N.J. at 1:58 P.M.				
	Arrived New York, N.Y. at 3:15 P.M.				
Jan. 26	Left New York, N.Y., 12:40 A.M.				
	Arrived Washington at 7:15 A.M.				
	On authorized annual leave from 3:15 P.M., January 17 to 12:40 A.M., January 26, 1935.				
	4½ days @ \$5.00		22	50	✓

COL.-Friedman, William F. 1st Inf. 8
War Department, OCSigO, Washington, January 31, 1935. - To the Finance Officer,
U. S. Army, Washington, D. C.

Recommending settlement.

For the acting Chief Signal Officer:

S. W. Stanley
Major, Signal Corps,
Executive.

RS

Mr. Tolson
13-21
100-10744-2734
1 sent to Jan 17-35

FILE WRI
SIG. *[Signature]* DATE *[Date]*

06SigO 201 Friedman, W.F.
(12-13-34)

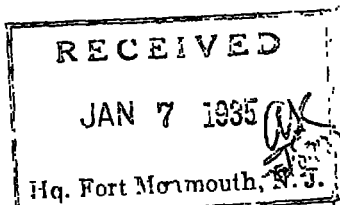
2d Ind.

8 /

War Department, OCSigO, Washington, January 3, 1935. - To: President,
the Signal Board.

For comment and recommendation as to whether or not pertinent portions of this thesis should be embodied in appropriate Signal School texts.

By order of the Acting Chief Signal Officer:



1 Incl. Hq. Fort Monmouth, N.J.
No change.

RECEIVED

JAN 9 - 1935

S. B. Akin
S. B. Akin,
Major, Signal Corps.

The Signal School

3rd Ind.

ELC-am

THE SIGNAL CORPS BOARD, FORT MONMOUTH, N. J., January 10, 1935. To:
Chief Signal Officer, War Department, Washington, D. C.

1. A copy of this thesis has already been obtained, and steps are now being taken to incorporate appropriate parts in The Signal School literature.

2. The Signal Corps Board has no recommendations to make.

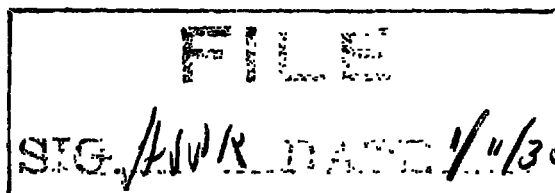
A. S. Cowan

A. S. COWAN,
Colonel, Signal Corps,
President.

1 Incl. - no change

CHIEF SIGNAL OFFICER

1935 JAN - 12 - AM 8 : 54



HEADQUARTERS THIRD CORPS AREA
UNITED STATES ARMY
BALTIMORE MARYLAND

201-Friedman, William Frederick
78 (12-13-34)

December 13, 1934. 8.

Subject: Thesis.

To: The Adjutant General, War Department,
Washington, D. C.

Inclosed herewith a Thesis submitted by Major William
Frederick Friedman, Signal Corps Reserve, for promotion to the
grade of Lieutenant Colonel, Signal Corps Reserve.

For the Commanding General:

1 Incl-
Thesis.

20 Received A. G. O. DEC 14 1934

E. H. Pfeil
E. H. PFEIL
Lt. Col. A.G.D.
Assistant Adjutant General

AG 201 Friedman, William Frederick 1st Ind. ad/463.
(12-13-34) Res.
War Department, A. G. O., December 14, 1934 - To: The Chief Signal Officer.

1 incl.
No change.

1934 DEC - 17 - AM 11 : 34
OFFICE
CHIEF SIGNAL OFFICER

Original 201... Friedman W.F. (12-13-34)

THE DUTIES OF THE OFFICER-IN-CHARGE OF THE SIGNAL
INTELLIGENCE SERVICE, GHQ.

Thesis submitted by William F. Friedman, Major, Sig-Res.
in connection with examination for Certificate of Capacity for
promotion to the grade of Lieut. Colonel.

	Paragraph
Introductory note as to sources of data	1
Basic authority for Signal Intelligence Service	2
Position occupied by Signal Intelligence Service in the GHQ Signal Service	3
Relations with Radio Intelligence Company, GHQ Signal Service . . .	4
Organization of the GHQ Signal Intelligence Service	5
Functions of administrative section	6
Functions of enemy documents section	7
Functions of goniometric identification section	8
Functions of communications security section	9
Functions of secret inks section	10
Functions of code and cipher compilation section	11
Functions of code and cipher solution section	12
Relations with other branches of Signal Intelligence Service . . .	13
Duties of the officer-in-charge of the GHQ Signal Intelligence Service	14
Appendix I	

1. Introductory note as to sources of data. - a. In preparing this thesis the writer has had access to the files of the Chief Signal Officer, including those of current as well as historical information. Among many other documents, the following may be mentioned:

- (1) Tables of Organization, Signal Intelligence Service
- (2) Technical Papers of the Signal Intelligence Section, War Plans and Training Division, Office of the Chief Signal Officer.
- (3) Army Regulations pertaining to codes and ciphers.
- (4) Letters pertaining to the work of the Signal Intelligence Service.

b. In addition, files pertaining to the World War, as contained in the World War Records Division of The Adjutant General, have also been studied. Among the latter were the following:

- (1) Final report of the Officer-in-Charge of the Radio Intelligence Section, General Staff, GHQ, AEF (G-2 - A6)
- (2) Final report of the Code Solving Subsection (G-2 - A6)
- (3) Final report of the Cipher Solving Subsection (G-2 - A6)
- (4) Final report of the Goniometric Subsection (G-2 - A6)
- (5) Final report of the Security Subsection (G-2 - A6)
- (6) Final report of the Administrative Subsection (G-2 - A6)
- (7) Final report of the Radio Intelligence Officer, First Army, AEF

2. Basic authority for the Signal Intelligence Service. - a. Basic authority for the establishment of the Signal Intelligence Service is given in AR 105-25; March 15, 1933, as amended by Changes No. 1, August 21, 1934. Par. 2 e thereof now reads as follows:

"2. Duties of the Chief Signal Officer. - In addition to such other duties as may be prescribed, the Chief Signal Officer will have immediate charge, under the direction of the Secretary of War, of the following:

* * * *

e. The preparation, publication, revision, storage, accounting, and distribution of all codes and ciphers required by the Army, and in time of war the interception of enemy radio and wire traffic, the goniometric location of enemy radio stations, the solution of intercepted enemy code and cipher messages, and laboratory arrangements for the employment and detection of secret inks.

* * * *

3. Unit signal officers. - a. - A chief signal Officer will be detailed for every expeditionary force and a Signal Corps officer as unit signal officer will normally be detailed for each corps area and every tactical unit larger than a brigade containing Signal Corps troops. When no unit signal officer has been so detailed in orders, the senior Signal Corps Officer present for duty with the command will act as such. The unit signal officer will be a member of the staff of his commanding officer. He will be charged, under the direction of his commanding officer, with the command, in so far as relates to operations, of signal troops not assigned or attached to subordinate units. The unit signal officer is also charged with specific duties as follows:

* * * *

(3) Preparation, publication, storage, accounting, and distribution of codes and ciphers.

* * * *

(8) Supervision of the installation, maintenance, and operation of the signal communication system, including the message center, of the unit.

(9) Supervision of such activities pertaining to the meteorological, signal intelligence, pigeon, and photographic services as affect the unit."

* * * *

b. Based upon the foregoing authority, we may now study the following extracts from a directive given the Chief Signal Officer by the Secretary of War, in a letter dated April 22, 1930, dealing specifically with the Signal Intelligence Service:

"5. Upon mobilization the various activities of this service will operate at the following headquarters:

a. Under the War Department:

(1) The preparation of all means of secret communication employed by the Army in peace and war including secret inks, except that, upon its organization, GHQ will begin the preparation of field codes and ciphers required for current replacement for subordinate units.

(2) The interception of enemy communications by electrical means, including the necessary goniometric work incident thereto.

(3) The detection and solution of secret or disguised enemy communications including those written in code, cipher, secret ink or those employing other means for disguise.

b. At General Headquarters:

(1) The preparation of field codes and ciphers for employment by subordinate units to replace those previously prepared under the War Department during peace time.

(2) The interception of enemy communications by electrical means.

(3) The location of enemy radio transmitting stations by goniometric means.

(4) The detection and solution of secret or disguised enemy communications including those written in code, cipher, secret ink or those employing other means for disguise.

c. At Headquarters of Field Armies:

(1) The interception of enemy communications by electrical means.

(2) The location of enemy radio transmitting stations by goniometric means.

(3) The solution of intercepted enemy code or cipher messages by the assistance of cipher keys and solved codes as furnished by the service at General Headquarters."

3. Position occupied by the Signal Intelligence Service in the GHQ Signal Service. - a. Coming now directly to the manner in which the Signal Intelligence Service fits into the organization of the GHQ Signal Service, we find a graphic picture of the latter organization in T/O 507-W shown in Appendix I.

b. GHQ Signal Service consists of

- 1 Headquarters, GHQ Signal Service
- 2 Operation Companies
- 3 Meteorological Companies
- 1 Radio Intelligence Company
- 1 Construction Battalion

c. In T/O 507-W we are interested only in:

- (1) Headquarters, GHQ Signal Service
- (2) Radio Intelligence Company

4. Relations with Radio Intelligence Company, GHQ Signal Service. - a.

The Radio Intelligence Company, GHQ Signal Service, is the technical agency which intercepts enemy electrically-transmitted traffic and locates enemy transmitting stations by goniometry or radio direction finding. Copies of all intercepted enemy messages and the goniometric data are furnished directly to the GHQ Signal Intelligence Service. Copies of the plain-language messages, if any, are immediately forwarded to the G-2 section of the General Staff.

b. The GHQ Radio Intelligence Company also intercepts our own radio traffic, for purposes of furnishing information to the Communications Security Section of the GHQ Signal Intelligence Service. This will be discussed in detail under Par. 9 below.

c. The functions performed by the Radio Intelligence Company, GHQ Signal Service, as given under a and b above are performed by a similarly organized Radio Intelligence Company, Army Signal Service; the data obtained are furnished to the Signal Intelligence Service, Headquarters Army Signal Service. This must be mentioned for reasons which will become apparent subsequently.

5. Organization of the GHQ Signal Intelligence Service. - a. Coming now directly to the GHQ Signal Intelligence Service, we find a graphic picture of its organization in T/O 508-W, shown in Appendix I. As shown in the table, this service consists of the following sections:

- (1) Administrative
- (2) Enemy documents
- (3) Goniometric identification
- (4) Communications security
- (5) Secret inks
- (6) Code and cipher compilation
- (7) Code and cipher solution

b. Since T/O 508-W was approved the Signal Corps has been assigned the additional responsibilities of publishing, storing, distributing, and accounting of cryptographic publications. Although these added duties can be allocated to one of the sections of the code and cipher compilation section, it will be noted, nevertheless, that the additional work thus imposed upon the GHQ Signal Intelligence Service is of very great importance and will necessitate some expansion of the present authorized organization.

c. Each of the foregoing sections will be taken up in turn, the duties set forth, the relations with other sections, and all details connected with its efficient operation discussed.

6. Functions of administrative section. - a. The administrative section comprises the following subsections, the duties of which will be described presently:

- (1) Headquarters subsection
- (2) Correspondence subsection
- (3) Reproduction and tabulating machinery subsection
- (4) Files subsection
- (5) Communications subsection
- (6) Guard subsection
- (7) Liaison subsection
- (8) Library and current information subsection

b. The headquarters subsection handles all matters relating to the general policies of the service, the obtaining and administration of personnel, quarters, office equipment and supplies for the service. The officer-in-charge of the GHQ Signal Intelligence Service maintains his office in this subsection.

c. The correspondence subsection comprises the necessary stenographic and typing personnel for conducting the large volume of correspondence of the whole GHQ Signal Intelligence Service. It is deemed best to have a fairly large stenographic and typing pool so that the work may be centralized.

d. The reproduction and tabulating machinery subsection makes copies of texts, tables, etc., required for the various sections. This will include mimeographing, multigraphing, and other methods of reproducing copies. In addition, there will be needed certain machines usually employed for accounting purposes, but easily adaptable to cryptographic and cryptanalytic work. The use of such machines very greatly reduces the amount of time and labor involved in code compilation and in making statistical studies in cryptanalytic work.

e. The files subsection is a central agency for maintaining the files and records of the entire GHQ Signal Intelligence Service.

f. The communications subsection may have direct telegraph wires to Army Signal Intelligence Service headquarters, to outlying intercept stations, and to other places (for example, Navy Signal Intelligence Service headquarters), for the purpose of avoiding all delays in the transmission and receipt of messages relating strictly to the technical work of this service, especially that of the solution section, where time is of the utmost importance.

g. The guard subsection has supervision of the special sentries assigned to patrol the quarters occupied by the Signal Intelligence Service at all hours of the day and night. It is felt that these special guards are necessary in order to prevent the surreptitious operation of enemy agents in the vicinity of the quarters where most of the vitally secret work is carried on.

h. The liaison subsection maintains the necessary contacts with the Signal Intelligence Services of Field Armies, with other arms, with branches of the General Staff, with the Navy Signal Intelligence Service in case of joint action, and with the Signal Intelligence Services of Allied Governments, if any. In other words, the section serves as a central agency for coordination of work with other Signal Intelligence organizations, or with other agencies concerned in the results obtained.

i. The library and current information subsection maintains a small but fairly comprehensive library of books having a bearing on signal intelligence activities and of books likely to be necessary as sources of information for particular use of the solution section. Files of certain newspapers may be necessary if they are not readily accessible at GHQ. Reference books of special types are also required for cryptanalytic work that may not be available at the library of GHQ.

7. Functions of enemy documents section. - a. This section is the depository for documents relating to the signal service of the enemy in all its phases, but primarily as regards his signal intelligence organization, its agencies, operations, systems, and devices.

b. A small unit of translators is essential if the language of the enemy is different from our own. These persons must have some technical knowledge in signal intelligence in order to translate properly such documents in form suitable for our ready use.

c. The translators may also be called upon to assist personnel of the code and cipher solution section and for this reason also they must have a certain amount of training in cryptanalysis.

d. The importance of rapid forwarding of captured documents such as codes, cipher keys, files of cryptographed messages with their translations, to the Signal Intelligence Service is apparent. For this reason a special subsection is deemed advisable, the duties of which are to see that no time will be lost in bringing back captured documents and placing them in proper form for study by various interested personnel of the Signal Intelligence Service.

8. Functions of goniometric identification section. - a. The work of this section is primarily of interest to the Battle Order Section of G-2, and to the code and cipher solution section of the Signal Intelligence Service. It assists in enabling the latter to sort intercepted messages properly according to the enemy units from which they emanate and for which they are intended, since tactical messages rarely carry addresses and signatures in plain text, and externally carry few indications from which it may be determined whether two messages are in the same code, in the same cryptographic system, or in the same key.

b. This section works in close liaison with the Radio Intelligence Company assigned to GHQ. The latter intercepts the messages and records on them the location of the transmitting stations, as found by intersection from the radio-compass bearings taken on the emitted waves. The goniometric identification section records the locations and call signs of these stations on a suitable map, and from a study of intercommunicating stations, establishes the probable enemy radio nets. These nets are then analyzed with the point of view of identifying the units which the transmitting and receiving radio stations serve and this in turn, by noting the groupings which intercommunicating stations form, furnish valuable information concerning enemy order of battle.

c. Having identified the units in this manner, it is then possible to indicate on the intercepted messages the unit from which and to which they are coming and going, their location, the larger units to which they belong, etc. Thus, the messages can be sorted so as to isolate messages in the same cryptographic system, key, or in the same code. This is, of course, of primary importance to, and constitutes an essential preliminary step in solving the messages.

d. From the point of view of furnishing information concerning enemy order of battle, the work of this section is also of great value, since this information may be obtained at comparatively little expense, without entailing the loss of lives, and, moreover, in contrast to similar information obtainable from prisoners or spies, is not subject to psychological, or purposive distortion of the facts.

9. Functions of communications security section. - a. The work of this section is exclusively that of furnishing data for the supervision of our own signal communications from the point of view of their protection and the maintenance of security and secrecy in signal communication.

b. Its duties include the following:

(1) Study of our own messages to insure that the regulations governing cryptographic security are being observed. This involves analyzing radio messages transmitted by our own forces. The messages for this purpose are obtained by the Radio Intelligence Company assigned to GHQ and are forwarded to the Communications Security Section of the Signal Intelligence Service. The latter, of course, has the codes or ciphers and decryptographs the messages, devoting special attention to violations of the regulations essential to cryptographic security.

(2) Switchboard facilities are provided so that personnel of this section may cut in on important telephone lines and listen in on conversations for the purpose of noting indiscretions which might impair secrecy. Particular attention is devoted to listening for the mention of unit designations, plans of operation, troop movements and the like. It must be assumed that the enemy will attempt to intercept

and record such conversations by placing agents at strategic points suitable for this purpose. Direct tapping of the telephone wires is, of course, not necessary because by suitable apparatus the electrical currents may be detected by induction, amplified, and led away to a place where the conversations may be recorded with ease.

c. The personnel of this section should include a stenographer of considerable ability, so as to be able to record the conversations as rapidly as they are spoken, otherwise the evidence obtained might not be considered valid. All the listening-in personnel must be carefully selected for their discretion and integrity.

d. When serious violations are observed, one of two procedures may be followed. Under the first procedure a letter may be drafted, calling attention to the irregularities, and forwarded through the Adjutant General to the commanding officer of the organization concerned. If the violations continue and are of a serious nature, an inquiry may be held by the Inspector General's Department. Under the other procedure, it has been contemplated that an officer to be known as the Communications Security Officer would be designated in each large unit, whose duties would include the supervision of communications from the point of view of security. If this is the case, the liaison between the GHQ Communications Security Section and the unit security officer would be more direct. This would expedite the correction of irregularities leading to insecurity in communication by radio or other means.

10. Functions of secret inks section. - a. This section maintains and operates a laboratory for the preparation and detection of invisible writing fluids, and for the detection of other means of transmitting information to elude censorship, as for example, microscopic writing.

b. The subsection for preparation of secret inks functions only intermittently, when the G-2 section of GHQ desires to send out secret agents into enemy territory and must provide these agents with means for sending back information in a form that will escape detection by enemy censorship.

c. The subsection for detection functions continuously and is furnished its material by the censorship bureau. Documents suspected of containing invisible writing are passed through the various chemical tests, and if secret

writing is discovered the results of the examination are forwarded to G-2 for action.

d. This section works in closest liaison with the censorship agency, and also with the larger laboratory at the War Department, where better facilities and more personnel are available for research.

11. Functions of code and cipher compilation section. - a. This section comprises the following subsections, the duties of which will be briefly discussed in turn:

- (1) Headquarters subsection
- (2) Code compilation subsection
- (3) Cipher compilation subsection
- (4) Publication subsection
- (5) Storage subsection
- (6) Distribution subsection
- (7) Accounting subsection

b. The headquarters subsection has charge of the administrative details relative to assignment of work to personnel, the use of the equipment, and the issue of supplies to the individual members of the section. All correspondence pertaining to the production, distribution, and accounting of codes and ciphers is initiated in the subsections and then passed through this office before going to the Administrative Section of the Signal Intelligence Service for signature and transmittal.

c. The code compilation subsection compiles new editions of authorized codes, as are required by field forces, principally for the Division Field Code, Air-Ground Liaison Code, Radio Service Code, and Map Coordinate Code. Special codes adapted for special usage or entirely new codes the need for which is determined by the Commanding General, GHQ may be compiled.

d. The cipher compilation subsection prepares cipher tables, cipher keys, or cipher alphabets as may be required for use in connection with the various authorized codes, cipher systems and devices. It also has as one of its responsibilities the technical supervision and coordination of such automatic cryptographic machinery as may be employed for secret intercommunication among the highest headquarters of field forces.

e. The publication subsection has charge of the details pertaining to the printing and physical reproduction of copies of codes, ciphers, cipher tables, and cipher keys. If practicable, it should have facilities for printing or lithographic reproduction entirely under its own control, in order that proper safeguards may be established over this phase of secret communication facilities. However, if this is not practicable the printing and reproduction facilities of the Adjutant General, GHQ, or of the Engineer Reproduction Plant, GHQ, will have to be employed. The subsection is also responsible for all proofreading of galley and page proofs.

f. The storage subsection is the receiving office for printed cryptographic publications and is responsible for their safeguarding while in storage. It is necessary to provide it with suitable storage facilities, safes being preferable, and also with armed sentries to patrol the quarters at all hours during the day and night.

g. The code and cipher compilation section will make the most use of the automatic machinery referred to under par. 6 d. Without such machinery the section would either have to have much more personnel or else codes would have to be replaced less frequently.

12. Functions of code and cipher solution section. - a. This section comprises the following subsections:

- (1) Headquarters subsection
- (2) Distribution and records subsection
- (3) Codes subsection
- (4) Ciphers subsection
- (5) Research and training subsection

b. The headquarters subsection has charge of the administrative details relative to the assignment of work to the personnel of the section, the use of the equipment, and the issue of supplies to the individual members of the section. All correspondence pertaining to the work of the section, material furnished it for solution, the results accomplished, and liaison with other branches and agencies pass through this office before going to the Administrative Section for signature and transmittal. It also prepares daily, weekly, or monthly reports on cryptanalytic activities, which reports are intended for the G-2 section of the GHQ staff and must be forwarded to that section for evaluation, coordination and distribution to all concerned.

c. The distribution and records subsection distributes manuscript sheets, copies of messages, documents, etc., as received from the reproduction subsection of the Administrative Section direct to the personnel working upon the particular code or cipher concerned. Its personnel also are employed in indexing, tabulating, making frequency studies, etc., for the cryptanalytic staff.

d. The codes subsection studies and solves enemy code systems, attempts to reconstruct the codes as completely as possible, and decodes enemy messages so far as the reconstruction of the codes up to that moment will permit.

e. The ciphers subsection does the same type of work except on cipher systems.

f. The research and training subsection has the following duties:

(1) To investigate such new code and cipher systems, apparatus, and devices as are submitted to the Signal Officer, GHQ, for consideration for use by field forces.

(2) To conduct a school for the training of enlisted and officer personnel assigned to duty in the Signal Intelligence Service of GHQ or Army. Such training will be essential for personnel obtained from sources other than the Chief Signal Officer because no other agency exists in the military service for training in signal intelligence activities.

13. Relations with other branches of Signal Intelligence Service. - a. The GHQ Signal Intelligence Service must maintain close liaison with the following other branches of the Signal Intelligence Service of the military establishment:

(1) Army Signal Intelligence Service. The signal intelligence service at the headquarters of each field army serves as a sort of forward echelon of the GHQ Signal Intelligence Service. Its personnel are trained only so far as will enable them to decipher and decode enemy messages for which the keys have been worked out by GHQ Signal Intelligence Service. The purpose here is to permit of speed in utilizing the results that may be obtained from solutions of enemy messages intercepted within the radius of action of the field army.

At the same time, the Army Signal Intelligence serves as a source of material for work by GHQ Signal Intelligence Service, since the messages which are intercepted by the Radio Intelligence Company assigned to Army and which cannot be solved by Army Signal Intelligence Service are forwarded for solution to GHQ Signal Intelligence Service. The officer-in-charge of Army Signal Intelligence Service should have had adequate training and experience in the GHQ Signal Intelligence Service. His assistants do not require such thorough training, but obviously the more they have the better will be their work.

(2) War Department Signal Intelligence Service. The largest unit of the Signal Intelligence Service and the one best equipped to work with the more complicated enemy codes and ciphers should be located at the War Department in Washington. Here the non-military codes and ciphers of the enemy government are studied, as well as the codes and ciphers of enemy commercial houses, agents, etc. It may be that the GHQ Signal Intelligence Service is in a better position to intercept such material than is the War Department Signal Intelligence Service, in which case the former should spend no time trying to solve this non-military traffic but should merely forward it to Washington. On the other hand, the enemy's field codes and ciphers may be so complicated as to be beyond the ability of personnel at GHQ Signal Intelligence Service, in which case the War Department Signal Intelligence Service may be called upon for cooperation and assistance.

(3) Corps Area and Department Signal Intelligence Services. If branches of the Signal Intelligence Service are established at the headquarters of corps areas and departments, liaison may be necessary between them and GHQ Signal Intelligence Service, for purposes of coordination, cooperation, and avoidance of duplication of effort.

b. It must also act in close liaison with the following:

(1) Censorship representative, GHQ. The censorship bureau will undoubtedly have offices in the Theater of Operations. Matters requiring cooperation between the Signal Intelligence Service and censorship authorities in this region will require close liaison.

(2) Navy Signal Intelligence Service. The Theater of Operations may be located in such an area that direct liaison with Navy Signal Intelligence Service Afloat or Ashore is more conducive to good cooperation with GHQ Signal Intelligence Service than indirect liaison through the War Department Signal Intelligence Service, such direct contact should be established.

(3) Signal Intelligence Services of allied governments. - During the World War, the liaison that existed between the Radio Intelligence Section, G-2, GHQ, AEF, and the same service of French GHQ and British GHQ was most conducive to cooperation and elimination of duplication of effort. In case our government is engaged in a war conducted with Allies against a common enemy, such liaison may again be essential.

c. It will be seen from the foregoing that the activities of the Liaison Subsection of the Administrative Section, GHQ Signal Intelligence Service (par. 6a (7) above) are quite important and necessary for achieving the best results possible from coordinated efforts to solve all kinds of enemy communications.

14. Duties of the officer-in-charge of the GHQ Signal Intelligence Service. -

a. It is the responsibility of the officer-in-charge of the GHQ Signal Service to administer the service under his charge in such a way that the functions of each section of his office, as outlined above, are efficiently conducted and that the service as a whole fulfills the mission assigned to it. He cannot be expected to be and, in fact, he may not be an expert cryptographer or an accomplished cryptanalyst, but he should know enough about these subjects to recognize the limitations that abound in practical work in these fields. He must realize first of all that the personnel assigned to him or selected by him are assumed to possess basic technical qualifications for the work and that if success does not crown their efforts or if it seems to him to come only too

slowly, this is inherent in the work itself: "supermind performances" are not the forte of cryptanalytic personnel, popular concepts to the contrary notwithstanding. It cannot be too strongly emphasized that cryptanalytic studies require a great deal of patience on the part of its working personnel; on the part of its directing and administrative personnel a similar degree of patience must be forthcoming. It is only rarely that spectacular situations and successes arise in the course of the work.

b. The last statement leads quite directly to a point which is touched upon with a certain amount of hesitancy but which nevertheless must be mentioned. As said before, signal intelligence is a specialty and its successes are rarely of a spectacular nature. They are, in this respect, quite different from the notable achievements which are much more frequently brought to light on the battlefield by brilliant tactics, resolute action, courage and fortitude. To those who have the good fortune to succeed on the battlefield, recognition and advancement come quickly, and this is of material importance toward the establishment and maintenance of a high stage of morale. But the successes of signal intelligence personnel, even when they do come (and they come only infrequently, very slowly, and most often as the result of long, hard labor), must usually be kept secret or, at the least, confidential. Consequently, these successes never can meet with popular acclaim and never can be awarded open recognition until long afterward. If, under these circumstances, promotion and advancement come more slowly than they do in other fields of action, the result is apt to be detrimental to the morale of the plodders in the signal intelligence field. It therefore is incumbent upon the officer-in-charge of the signal intelligence service to see that his personnel is accorded recognition for efficient, conscientious work in the same degree and with the same benefits as is accorded deserving personnel in the combat zone.

c. Finally, it is extremely important that the officer-in-charge realize that a vital factor in attaining success in signal intelligence work is the fostering of a competitive spirit among all personnel concerned but at the same time repressing to the utmost any spirit of professional jealousy, and any

attempts to deprive others of credit due for good work, merely for the sake of personal advancement of the offender. The officer-in-charge of each branch of the Signal Intelligence Service, wherever located, must be constantly on guard to prevent such destructive forces from gaining a foothold among his subordinates for the good and sufficient reason, aside from the one of fair play, that whereas the spirit of competition on a purely scientific basis is conducive to the production of results, will spur on his subordinates to do their very best, and will bring about a good state of morale, the corroding spirit of professional jealousy based merely upon avidity for personal distinction and advancement will not only disrupt a good organization but will prevent the establishment and maintenance of real cooperation. It may be stated that in signal intelligence work, especially in that of cryptanalysis, cooperation and coordinated effort are absolutely essential. The efforts of even a good many individuals, if each works alone, will avail very little; only good teamwork will produce results and will bring success in the assigned mission.

November 23, 1934

William F. Friedman,
Major, Sig-Res.

APPENDIX I

T/O 507-W
T/O 508-W (Hdq, GHQ Signal Service)
T/O 508-W (Signal Intelligence Service)

TABLE OF ORGANIZATION
 No. 507 W

WAR DEPARTMENT,
 WASHINGTON, June 7, 1930.

SIGNAL SERVICE GHQ
Effective July 1, 1930

1	2	3	4	5	6	7	8	9	10	11
Unit	Specialists' rating (class)	Headquarters, GHQ, signal serv- ice (T/O 608 W)	2 operation companies (T/O 110 W)	3 meteorological companies (T/O 209 W)	1 radio intelligence company (T/O 211 W)	1 construction battalion (T/O 505 W)	Total GHQ signal service	Attached medical (to construction battalion only) (T/O 506 W)	Aggregate	Remarks
2	General officers.....		1					1	1	* Includes 430 pri- vates, first class; 861 privates.
3	Colonels.....		6					6	6	
4	Lieutenant colonels.....		2					2	2	
5	Majors.....		11					12	12	
6	Captains.....		23	5	3	1	4	32	34	
7	First lieutenants.....		24	9	12	4	6	52	52	
8	Second lieutenants.....		22	6		1	6	35	35	
9	Total commissioned		88	14	15	6	17	140	2	142
10	Master sergeants.....		46	4	6	1	5	62	63	
11	Technical sergeants.....		16	4	3	3	12	38	38	
12	First sergeants.....		1	2	3	1	2	9	9	
13	Staff sergeants.....		11	10	15	4	16	56	56	
14	Sergeants.....		18	20	27	10	14	98	101	
15	Corporals.....		21	30		21	28	100	100	
16	Privates, first class, and privates, including:		211	366	159	156	392	1,284	1,291	
17	Specialists.....	3d.....	32	2	18	23	7	81	81	
18	Specialists.....	4th.....	31	24	15	24	6	100	100	
19	Specialists.....	5th.....	72	64	30	34	50	280	284	
20	Specialists.....	6th.....	63	162	30	18	158	429	433	
21	Basic.....		13	84	66	58	173	394	397	
22	Total enlisted		324	438	213	205	469	1,647	9	1,656
23	Aggregate		412	450	228	211	496	1,787	11	1,798
24	Q Car, passenger, medium.....		17	2	3	1	3	26	26	
25	Q Trucks, cargo, light.....		12	10		3	16	41	41	
26	Q Trucks, cargo, medium.....		6	10	3	6	13	39	39	
27	Q Trucks, cargo, heavy.....			2			2	5	5	
28	Q Trailer, kitchen, light.....		1	2	3		2	8	8	
29	Q Trailer, tank, light, 250-gallon.....		1	2	3	1	2	9	9	
30	Q Motor cycles with side car.....		24	20	15	6	20	85	1	86
31	Q Radio truck, type SCR-124.....			6				6		6
32	Q Ambulance.....							1		1
33	Q Pistol.....		98	450	228	211	496	1,473		1,473

[A. G. 320.2 (5-12-30).]

BY ORDER OF THE SECRETARY OF WAR:

C. P. SUMMERALL,

*General,
 Chief of Staff.*

OFFICIAL:

 C. H. BRIDGES,
*Major General,
 The Adjutant General.*

REF ID: A66329
SIGNAL INTELLIGENCE SERVICE

Special Service Section

Headquarters, GHQ Signal Service T/O 508 W.

May 1, 1931

1	2	3	4	5	6	7	8	9	10	11	12		13		14		15		16		17
											Codes and ciphers compilation section			Codes and ciphers solution section							
Unit	Specialists' ratings (class)	Administrative section	Enemy document section	Goniometric identification section	Communication security section	Secret inks section	Headquarters section			Headquarters section		Distribution and records		Codes		Ciphers		Total section		Total service	
							Codes	Ciphers	Total section	Headquarters section	Distribution and records	Codes	Ciphers	Total section	Total section						
2	Lieutenant colonel		1																		1
3	Major		1									1								1	2
4	Captains						1	1		2										5	7
5	First lieutenants			1	1	1	1	1	1	2				1		4	1			11	17
6	Second lieutenants			2	1	1	1		2	2				1		3	2			11	18
7	Total commissioned		2	3	2	2	2	1	4	1	6	1	2	20	5	28					45
8	Master sergeants, including		1	1	1	2	1		4	1	5	2	2	10	6	20					31
9	Chemists, junior						(1)														(1)
10	Clerks, cry; analytical													(6)	(4)	(10)					(10)
11	Clerks, cry; cryptographic								(2)	(1)	(3)	(1)		(2)		(3)					(6)
12	Clerks, records		(1)	(1)		(2)						(1)	(2)	(2)	(2)	(7)					(11)

13	Electricians, radio				(1)											(1)
14	Proofreaders							(2)		(2)						(2)
15	Technical sergeants, including			1	1	4						1	1	2		8
16	Chemists, junior					(4)										(4)
17	Clerks, cryptanalytic				(1)							(1)	(1)	(2)		(3)
18	Electricians, radio				(1)											(1)
19	Staff sergeants, including			1		1	1			1	1				1	4
20	Clerks, record			(1)		(1)	(1)			(1)	(1)				(1)	(4)
21	Sergeants, including							1		1		2		1	3	4
22	Clerks, record							(1)		(1)		(2)		(1)	(3)	(4)
23	Cor. orals, including				1			1		1			1		1	3
24	Clerks, cryptanalytic											(1)		(1)		(1)
25	Clerks, cryptographic							(1)		(1)						(1)
26	Clerks, headquarters					(1)										(1)
27	Privates, first class, and privates	5	4	3	1	1	3	2	1	6	4	1	6	3	14	34
28	Chauffeurs	6	(1)													(1)
29	Clerks, headquarters	4		(1)				(1)		(1)	(1)		(2)	(1)	(4)	(6)
30	Clerks, headquarters	5	(1)		(1)	(1)	(1)	(1)	(1)	(3)	(2)		(2)	(1)	(5)	(12)
31	Clerks, record	3		(1)												(1)
32	Clerks, record	5	(1)									(1)	(2)	(1)	(4)	(5)
33	Draftsmen, basic	5			(1)											(1)
34	Motorcyclists	6	(1)	(1)	(1)					(1)						(4)
35	Stenographers	4	(1)	(1)			(1)			(1)	(1)				(1)	(4)
36	Total enlisted	6	5	6	5	7	4	8	2	14	7	5	18	11	41	84
37	Aggregate	8	8	8	7	9	5	12	3	20	8	7	32	16	69	129

TABLE OF ORGANIZATION }
No 508 W

WAR DEPARTMENT,
WASHINGTON June 7, 1930

HEADQUARTERS, GHQ SIGNAL SERVICE

Effective July 1 1930

OCSigO 201 Friedman, W. F.

December 29, 1934.

Visit of Mr. William F. Friedman at Fort Monmouth.

Commanding Officer, Fort Monmouth.

1. Orders are being requested directing that Mr. William F. Friedman, office of the Chief Signal Officer, proceed to Fort Monmouth, New Jersey, on January 13, 1935 and return to Washington on January 17, 1935, to deliver two lectures on "Security of Radio Traffic" at The Signal School on January 14 and 15.

2. The services of Mr. Friedman will also be available while at Fort Monmouth to the Signal Corps Board in connection with Signal Corps Board Case No. 300, Signal Intelligence Service, the Peace-time Development of, and to the Signal Corps Laboratories in connection with the development of the Converter, type M-134-1B.

Dawson Olmstead,
Lt. Col., Signal Corps,
Acting Chief Signal Officer of the Army.

OEH

FILE
SIG. <i>77c</i> DATE <i>12/29/34</i>

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

August 29, 1934

CCsig 201. Friedman, W. F.

SUBJECT: National Guard and Reserve Officers Course, The Command and General Staff School, Fort Leavenworth, Kansas.

TO: Major William F. Friedman, Sig.-Res.,
Room 3415 Munitions Bldg., Washington, D. C.

1. The Chief Signal Officer has been authorized to recommend, not later than December 1, 1934, the name of one Reserve officer he desires to take the three months' course for National Guard and Reserve officers at the Command and General Staff School, Fort Leavenworth, Kansas, commencing about March 15, 1935.

2. Instructions relative to the selection of the Reserve officer include the following:

"Priority in making recommendations for this purpose will be given first to officers of field grade who have creditably completed the entire Command and General Staff School Extension Course, and second to captains who have creditably completed the Command and General Staff School Extension Course. In no case will officers who have not completed the entire course be selected.

"Officers recommended for the special course ---- will be less than forty-eight years of age March 1, 1935.

"In accordance with the provisions of the Appropriation Act, F.Y. 1935, no officer of the Organized Reserves ---, drawing a pension, disability allowance, disability compensation or retired pay from the Government, may be placed on an active duty status.

OEH

"All applicants will be informed --- of the mental, mounted, and field work required during the course and that they must be physically qualified in all respects in order to receive favorable consideration.----"

3. The records of this office indicate that none of the Signal Corps Reserve officers of the Arm and Service Assignment Group otherwise eligible for consideration at this writing have completed the entire Command and General Staff School Extension Course.

4. It is, therefore, desired to bring this opportunity to your attention in order that you may see fit to prepare yourself for such assignment either during the present or a subsequent school year.

5. Now is the time to enroll in extension courses for the next school year which begins October 1, 1934. Application should be made to your corps area commander. (See Announcement of Army Extension Courses 1934-35, which, if not already received, may be obtained on request.)

(over)

SIG. Div. 2. DATE 8/29/34

6. Such Reserve officers who have satisfactorily completed, or have been permitted to omit any subcourse or numbered part thereof by their corps area commander, the subcourses designated for promotion to the field grades in their arm or service, and officers of field grade who have, in the opinion of the corps area commander, the necessary military education to pursue efficiently these courses, are eligible for enrollment in the extension course of the Command and General Staff School.

7. Your application for this active duty assignment may be forwarded at the time you qualify yourself for consideration. Any further information desired in this connection will be gladly furnished on request.

By order of the Acting Chief Signal Officer:

S. B. Akin

S. B. Akin,
Major, Signal Corps.

IN REPLY REFER TO

WAR DEPARTMENT

OFFICE OF THE CHIEF SIGNAL OFFICER

WASHINGTON

201-Friedman, William F.

3

Subject: Salary check.

August 16, 1934.

To: Mr. William F. Friedman, 3932 Military Road, N. W., Washington, D. C.

1. Inclosed is Check No. 359,020 in the amount of \$221.66 covering salary due you for the period August 1 to 15, 1934.

2. Please acknowledge receipt by indorsement hereon.

By order of the Chief Signal Officer.

Dawson Olmstead

Dawson Olmstead,
Lt. Col., Signal Corps,
Executive.

1 Incl.

Check No. 359,020

*3932 Military Road. Washington, Aug. 17, 1934 - To
The Chief Signal Officer.*

Received check # 359,020 above mentioned.

William F. Friedman

FILE *WRI*
DATE *8/17/34*
SIG. *[Signature]*

1934 AUG 18 - AM 11:04
OFFICE OF THE CHIEF SIGNAL OFFICER

AG 201 Friedman, William Frederick
(7-7-34) Res.

10th Ind.

ad/463.

War Department, A. G. O., August 14, 1934 - To: C. G., 3rd C. A.

Attention is invited to the 9th indorsement.

By order of the Secretary of War:

Copy to:
The Chief Signal Officer. ✓

OFFICE
CHIEF SIGNAL OFFICER
Clark Lynn
Adjutant General.

1934 AUG - 15 - AM 10:20

FILE
SIG#S... DATE 8-15-34

201-Friedman, William Frederick
78 (7-7-34)

7th Ind.

8

HQ. THIRD CORPS AREA, Baltimore, Md., August 4, 1934 - To: The Adjutant General,
War Department, Washington, D. C.

Forwarded under the provisions of paragraph 11ay, AR 140-38.

For the Commanding General:

A. P. SULLIVAN,
Captain, A.G.D.,
Assistant Adjutant General.

AG 201 Friedman, William Frederick 8th Ind.
(7-7-34) Res.

ad/463.

War Department, A. G. O., August 7, 1934 - To: The Chief Signal Officer.

OGSigO 201-Friedman,
W.F., (7/7/34) Res.

9th Ind.

8

WD, OGSigO, Washington, D. C., August 9, 1934 - To: The Adjutant General,
Washington, D. C.

Reference 6th Ind., there is attached a copy of W.D. Bulletin
No. 46 of December 12, 1931, par. 10 of which lists the books required
to be read by the candidate for promotion to the grade of Lieut. Colonel,
cryptography classification.

For the Chief Signal Officer:

FILE		WRI
Encl.	SIG.	DATE 8/9/34

Dawson Olmstead,
Lieut. Colonel, Signal Corps,
Executive.

*3d Ind
7/24/34
E. J. O*

JWA

AG 201-Friedman, William Frederick
&7-7-34) Res.

4th Ind.

ad/463

War Department, A. G. O., July 27, 1934 - To: C. G., 3d C. A.

Attention is invited to the third indorsement, which is approved.

By order of the Secretary of War:

Adjutant General.

Copy to:
The Chief Signal Officer.

201-Freidman, William Frederick
78 (737-34)

5th Ind.

8.

HQ THIRD CORPS AREA, Baltimore, Md., July 28, 1934 - To: Senior Instructor,
Washington Reserve Units.

For action under the provisions of paragraph 36, AR 140-5.

By command of Major General MALONE:

A. P. SULLIVAN,
Captain, A. G. D.,
Assistant Adjutant General.

201-Friedman, William Frederick
(7-7-34)

6th Ind.

HCD-d-ak

HQ. WASHINGTON UNITS, O.R., Washington, D. C., Aug. 2, 1934 - To: The
Commanding General, Third Corps Area, Baltimore, Md.

1. Paragraph 9a, AR 140-38, prescribed, in addition to a thesis, a
reading course for this officer's examination. Request that list of books
approved by the Chief Signal Officer be furnished this headquarters.

H. C. DAGLEY,
Major, Cavalry,
Acting Senior Instructor.

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

8

July 9, 1934

MEMORANDUM TO: Executive Officer.

It is requested that the attached orders to William F. Friedman, Cryptanalyst, S.S.L., be amended to authorized travel by privately owned automobile. Such motor travel is more economical and advantageous to the United States than travel by rail or other common carrier.

Henry L. P. King,
Captain, Signal Corps.

Attached:
Copy of orders.

AG EO1 Friedman, William Frederick 4th Ind. ad/463.
(7-7-34) Res.

War Department, A. G. O., July 27, 1934 - To: C. G., 3rd C. A.

Attention is invited to the third indorsement, which is approved.

By order of the Secretary of War:

Copy to: OFFICE Clark Lynn
The Chief Signal Officer. ✓ CHIEF SIGNAL OFFICER Assistant General.

1934 JUL -28- AM 11:28

FILE
HK
7-30-34
WRI

ITEMIZED SCHEDULE OF TRAVEL AND OTHER EXPENSES

1 Give duty status on first day of voucher period

* Arrived at Fort Monmouth, New Jersey on July 8, 1934
for temporary duty for approximate period 4 1/2 days.Approximate date of return to official headquarters July 12, 19342 State authorized allowance for per diem in lieu of subsistence \$ 5.00 †

3 State authorized allowance for actual subsistence expenses Not to exceed \$ _____ † per day

* If authority provides for travel to more than one point time of arrival and departure from each should be stated in the body of the account in chronological order

† If more than one rate of allowance is authorized, full statement of application of each rate must be given in some convenient place on this voucher

DATE	CHARACTER OF EXPENDITURE (To be itemized by the day and fully explained)	SUB VOU NO	AMOUNT		NOTATIONS (Payee must not use this column)
			SUBSISTENCE	OTHER	
19 <u>34</u>					
July 8	Left Washington, D. C., 1:00 p.m.				
8	Arrived Ft. Monmouth, N. J., 8:00 p.m.				
July 12	Left Ft. Monmouth, N. J., 1:00 p.m.				
12	Arrived Washington, D. C., 8:00 p.m.				
	<u>4 1/2 days at \$5.00 per diem</u>		22	50	P210-0630
	Speedometer reading leaving Washington, D.C., 844				
	" " arrived Ft. Monmouth, 1069				
	" " leaving Ft. Monmouth, 1114				
	" " arrived Washington, D.C. 1329				
	<u>440 miles at 4¢ per mile</u>			17	60 Disallowed P210-0660
	Speedometer readings were made at the District line.				
	Make of car Plymouth Sedan, 1934 model				
	Travel was performed by privately-owned automobile, which is owned by me personally.				

IL sup and services to be obtained by this
statement are authorized by, etc for the purpose set
forth in, and are chargeable to Procurement Authority

FD 1723 P270-0680-2885-5

the available balance of which is sufficient to cover
cost of same

TOTALS (to be carried forward to Continuation Sheet, if necessary)

TOTAL AMOUNT OF VOUCHER (not to be used when totals are carried forward to Continuation Sheet)

~~440-20~~ \$27.⁵⁰

noted 0313

201-Friedman, Wm. F.

1st Ind.

3

War Department, OCSigO, Washington, July 19, 1934. To the Finance Officer, U. S. Army, Munitions Building, Washington, D. C.

Recommending settlement.

For the Chief Signal Officer.

S. W. Stanley,
Major, Signal Corps,
Executive.

4 Incls.

- 2 Auth. Sec. War in dup
- Orders in dup.
- Amended orders in dup.

Voucher - covering travel from Washington, D C., to Fort Monmouth, N J., and return - July 8 to 12, 1934.

Per diem	4½ days @ \$5.00	\$22.50
Mileage	440 ⁴ miles @ .04	<u>17.60</u>
		\$40.10

FILE
 SIG. *RMK* DATE *7/19/34*

J

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

201-Friedman, W.F.
Major, Sig-Res.

July 17, 1934

Application for examination for certificate of capacity.

Commanding General, Third Corps Area, Baltimore, Maryland.

1. Application is made for an examination for certificate of capacity for promotion to the grade of lieutenant-colonel in the Signal Reserve, Cryptographic classification.

2. In this connection it is desired to state that my civil occupation is that of Cryptanalyst, Chief of the Signal Intelligence Section, War Plans and Training Division, Office of the Chief Signal Officer, which position I have held for the past 14 years. My present mobilization assignment in the Army and Service Group is to the Signal Intelligence Division, Office of the Chief Signal Officer.

William F. Friedman,
Major, Signal Reserve.

~~SUSPENSE~~ *Fade*

DATE *July 23, 1934*
SIG. *W.F.*

FCM:brp

June 29th, 1934.

SUBJECT: Services of Mr. William F. Friedman as Advisor
to The Signal Corps Board.

TO: The Chief Signal Officer, War Department, Washington, D. C.

1. Reference is made to paragraph 3 of the directive letter, Signal Corps Board Case No. 200, June 16, 1934, offering the services of Mr. Wm. F. Friedman of your office as advisor to the board.

2. It is requested that Mr. Friedman be made available to the board, when convenient to your office, to assist the board in Case No. 200, "Signal Intelligence Service" and Case No. 197, "Address and Signature of Tactical Messages".

3. It is suggested that July 9th, 10th and 11th would be most suitable to the board for Mr. Friedman's visit. However, any other time convenient to your office will be satisfactory.

A. S. COWAN,
Colonel, Signal Corps,
President.

OCSigO 201-Friedman, W.F.
(6/29/34)

1st Ind.

8

WD, OCSigO, Washington, D. C., July 3, 1934 - To: President, Signal Corps Board,
Fort Monmouth, New Jersey.

1. Mr. Friedman will report for the duty mentioned in the basic letter at 9:00 A.M. on July 9.

2. It is requested that certain material in the personal possession of Major Van Deusen be considered before the study of this case is concluded by the Signal Corps Board.

By order of the Acting Chief Signal Officers

FILE

SIG. *L.V.V.* DATE 7/3/34

S. B. Akin,
Major, Signal Corps.
W.B.J.

For duty as advisor to the Board.

for Board Case No. 200 - "Signal Intelligence Service"
and case No. 197 - "Address and Signature of Tactical
Messages"

Time: July 9, 10 and 11.

OCSigO 201-Friedman, W.F.
(6/29/34)

1st Ind.

6

WD, OCSigO, Washington, D. C., July 3, 1934 - To: President, Signal Corps Board,
Fort Monmouth, New Jersey.

1. Mr. Friedman will report for the duty mentioned in the basis letter at
9:00 A.M. on July 9.

2. It is requested that certain material in the personal possession of
Major Van Deusen be considered before the study of this case is concluded by
the Signal Corps Board.

By order of the Acting Chief Signal Officers

S. B. Kin,
Major, Signal Corps.

WAR DEPARTMENT
Office of the Chief Signal Officer
Washington

8

OCSigO-201- Friedman, U.F.

June 15, 1934.

SUBJECT: Active Duty Training, Fiscal Year 1935.

TO: Major William F. Friedman, Signal Reserve,
3932 Military Road, Washington, D. C.

1. October 7 to 20, 1934, and April 7 to 20, 1935, have been designated as the active duty training periods for the fiscal year 1935 (July, 1934 to June 1935), for Reserve officers assigned to this office. Suitable periods for active duty training at agencies outside this office will be arranged for other Reserve officers in the Arm and Service Assignment Group where practicable.

2. In the hope that you will desire to apply for active duty training during the next fiscal year there is attached hereto a form letter of application which should be completed, signed and returned to this office in duplicate, not later than June 30, 1934.

By order of the Chief Signal Officer:

S. B. Akin
S. B. Akin,
Major, Signal Corps.

2 Incls.

#1 - App. form (in trip.)

#2 - Envelope.

7-15-34
↑

~~URGENT~~
DATE 6/13/34 SIG. J. J. J.

Public Voucher for Reimbursement of Travel and Other Expenses
Including Per Diem

Voucher No. _____
No. _____

Return to →

SIGNAL CORPS.

GENERAL ACCOUNTING OFFICE
PREAUDIT
Certified for payment in the
sum of \$
J. R. McCARL,
Comptroller General of
the United States.
By _____

U. S. War Department, Signal Service of the Army, 1934
Appropriation: SC 4313 P 25-0630 A 541-4 - \$50.00
SC 4313 P 25-0600 A 541-4 - 2.70

PAID BY
(For use of Paying Office)

THE UNITED STATES, D.
To: William F. Friedman
Office of the Chief Signal Officer
Munitions Bldg., Washington, D.C.

Official Headquarters _____

Domicile _____

Residence _____

(For use of the Postal Service only)

FOR REIMBURSEMENT of travel and other expenses incurred in the discharge of official duty
from May 13, 1934, to June 6, 1934
as per itemized statement within, under authority No. ~~SC 4313~~ dated May 7, 1934. \$

AMOUNT		NOTATIONS
Dollars	Cents	(Payee must not use this column)
52	95	70

(Additional statements by Department, Bureau, or Establishment, if deemed necessary)	(ACCOUNTING CLASSIFICATION)	(Payee will NOT use this space)
		Differences
		Account verified; correct for \$
		(Signature or initials)

Army Finance Office, Washington, D. C.
Date 6/13/34, Paid on Vou. No. 8396
Roney Lieut. of S.C. Major, S.I.

FILE 6
SIG. *Wm*

MEMORANDUM

Cryptanalyst, S.S.I.

1934 JUN 16 AM 9:12
CHIEF SIGNAL OFFICE

53.95

Paid by { Check No. _____, dated _____, 19____, for \$ _____
Cash, \$ _____, on _____, 19____

MEMORANDUM—DO NOT SIGN
10-1864a

ITEMIZED SCHEDULE OF TRAVEL AND OTHER EXPENSES

1 Give duty status on first day of voucher period

* Arrived at _____ on _____, 19____
for temporary duty for approximate period _____

Approximate date of return to official headquarters _____, 19____

2 State authorized allowance for per diem in lieu of subsistence \$ _____ †

3 State authorized allowance for actual subsistence expenses Not to exceed \$ _____ † per day

* If authority provides for travel to more than one point, time of arrival and departure from each should be stated in the body of the account in chronological order

† If more than one rate of allowance is authorized, full statement of application of each rate must be given in some convenient place on this voucher

DATE 19 <u>34</u>	CHARACTER OF EXPENDITURE (To be itemized by the day and fully explained)	SUB- VOU NO	AMOUNT		NOTATIONS (Payee must note this column)
			SUBSISTENCE	OTHER	
May 18	Left Washington 4:15 P.M. (B & O) Taxi (incl. trunk) to station			1 35	✓
19	Arrived Chicago 8:40 A.M. Left Chicago 8:00 P.M. (Santa Fe)				
20	Arrived Kansas City 8:00 A.M. Left Kansas City 10:00 A.M. (U.P.) Arrived Ft. Riley 1:55 P.M.				
26	Left Ft. Riley 12:43 P.M. (U.P.) Arrived Kansas City 4:30 P.M. Left Kansas City 9:00 P.M. (Santa Fe)				
27	Arrived Chicago 8:05 A.M. Left Chicago 9:15 A.M. (M.C.) Arrived Detroit, Mich. 4:15 P.M.				
June 5	Left Detroit 5:32 P.M. (P.M. and B. & O)				
6	Arrived Washington, D. C., 8:55 A.M. Taxi (including trunk) to home			1 35	✓
May 18	1/2 day ✓				
May 19 - 26	8 " ✓				
May 27	1/4 " ✓				
June 5	1/4 " ✓				
June 6	1/2 " ✓				
Total 10 1/2 days @ \$5.00					\$50.00

Note: On authorized annual leave from 9:00 A.M.,

May 28 to 5:32 P.M., June 5. The excess cost on transportation, due to return via Detroit, was paid for personally, as shown on accompanying transportation certificate for passenger travel.

The supplies and services to be obtained by instrument are authorized for the purpose set forth in, and are chargeable to Procurement Authority RC 4318P-26-0600 95414 the available balance of which is sufficient to cover cost of same

TOTALS (to be carried forward to Continuation Sheet, if necessary)

TOTAL AMOUNT OF VOUCHER (not to be used when totals are carried forward to Continuation Sheet)

~~453.95~~ \$ 57.⁷⁰

EOI.-Friedman, William F. 1st Ind. 3
War Department, OCSigO, Washington, June 11, 1934. - To the Finance Officer, U. S.
Army, Washington, D. C.,

Recommending settlement.

For the acting Chief Signal Officer:

S. W. Stanley
Major, Signal Corps,
Executive.

See to J. A. Remy
1st Ind.
June 6
See to me = 70
1st Ind. = 75
5
3 = 4

FILE 6
SIG. *[Signature]* DITE 11

OCSigO-201-Friedman, W.F.
(5-7-24)

1st Ind.

8

War Department, OCSigO, Washington, May 8, 1934. To: Mr. William F. Friedman.

For compliance.

By order of the Chief Signal Officer:

S. B. Akin,
Major, Signal Corps.
HVAK.

FILE
SIG. M. J. DATE 5-31-34

OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON, D. C.

Serial No:

(Date)

MEMORANDUM FOR: Executive Officer. (Thru Fiscal Section).

1. It is requested that travel orders be issued for.

- (a) Name: Mr William F Friedman
 (b) Designation: Cryptanalyst
 (c) From: Washington
 (d) To: Ft Monmouth, Little Silver, N J.
 (e) Report to: C O Ft Monmouth, N. J.
 (f) Temporary duty or change of station: Temporary Duty
 (g) Per diem authorized for 4 days.
 (h) Purpose: Conference - development of cipher machine

2. Cost of travel will be charged as follows.

- (a) Reimbursement of travel expenses

Allotment	Estimated cost
SC 4318 P26 -0630 A541-4	20.00

- (b) Transportation:

Allotment	Estimated cost
-0600	24.30

- (c) Transportation of baggage.

Allotment	Estimated cost

- (d) Total estimated cost: \$44.30

3. Funds are available for the payment of expenses incident to the travel requested herein.

4. Remarks:

Travel expected to begin on or about April 10, 1934

Public Voucher for Reimbursement of Travel and Other Expenses
Including Per Diem

Voucher No. _____
No. _____

Return to → SIGNAL CORPS.

GENERAL ACCOUNTING OFFICE
PREAUDIT
Certified for payment in the
sum of \$
J. R. McCARL,
Comptroller General of
the United States.
By _____

U. S. _____ War Department
Signal Service of the Army, 1934
Appropriation: 80 4315 P 26-0590 Account A 541-6

PAID BY

(For use of Paying Office)

THE UNITED STATES, Dr.
To William F. Friedman
Office of the Chief Signal Officer
Munitions Building, Wash., D.C.

Official Headquarters _____ Domicile _____ Residence _____
(For use of the Postal Service only)

FOR REIMBURSEMENT of travel and other expenses incurred in the discharge of official duty
from April 11, 1934, to April 16, 1934,
as per itemized statement within, under authority No. OC 5160, dated April 10, 1934, \$

AMOUNT		NOTATIONS (Payee must not use this column)
Dollars	Cents	
14	95	✓

(Additional statements by Department, Bureau, or Establishment, if deemed necessary)	(ACCOUNTING CLASSIFICATION)	(Payee will NOT use this space)
		Differences _____
		Account verified; correct for \$ _____
		(Signature or initials)

FILE
SIG. *mm* DIT 3

MAY - 9 - AM 9:16

OFFICE CHIEF SIGNAL OFFICER

MEMORANDUM

Army Finance Office, Washington, D. C.
Date 5/1/39, Paid on Voucher No. 883
Approved by W. C. Merton Major, F. D.

Paid by _____ Check No. _____, dated _____, 19____, for \$ _____ on Treasurer of the United States in favor of payee named above
Cash, \$ _____, on _____, 19____

ITEMIZED SCHEDULE OF TRAVEL AND OTHER EXPENSES

1 Give duty status on first day of voucher period

* Arrived at _____ on _____, 19____
 for temporary duty for approximate period _____
 Approximate date of return to official headquarters _____, 19____

2 State authorized allowance for per diem in lieu of subsistence \$ _____ †

3 State authorized allowance for actual subsistence expenses Not to exceed \$ _____ † per day

* If authority provides for travel to more than one point, time of arrival and departure from each should be stated in the body of the account in chronological order

† If more than one rate of allowance is authorized full statement of application of each rate must be given in some convenient place on this voucher

DATE 19-34	CHARACTER OF EXPENDITURE (To be itemized by the day and fully explained)	SUB VOU NO	AMOUNT		NOTATIONS (Payee must not use this column)
			SUBSISTENCE	OTHER	
April 11	Left Washington, D. C., 11:30 A.M.				
11	Arrive Fort Monmouth, N. J., 5:49 P.M.				
13	Left Fort Monmouth, N. J., 1:00 P.M., for New York City (see note below)				
16	Leave New York, 5:05 P.M.				
16	Arrive Washington, D. C., 10:58 P.M.				
	On authorized annual leave April 14, 9:00 A.M. to April 16, 5:05 P.M.				
	2-3/4 days @ \$5.00		13 75		
11	Taxi home to Station Washington, D. C.			60	✓
16	Taxi station to home Washington, D. C.			60	✓
<p><u>Notes:</u> Authorized annual leave having been obtained in advance, I left Fort Monmouth at 1:00 P.M. by private auto to Red Bank, N.J., at which point I boarded train for New York City, at my own expense. I left New York at 5:05 P.M. on April 16, paying my own railroad fare to Elizabeth, N.J., the junction point indicated on ticket furnished by Quartermaster.</p>					

201.-Friedman, William F. 1st Ind. 3
War Department, OCSigO, Washington, April 27, 1934. - To the Finance Officer,
U. S. Army, Washington, D. C.

Recommending settlement.

For the Chief Signal Officer

G. L. Van Deusen
Major, Signal Corps,
Executive

FILE
SIG. *Km* DATE *27* *F*

Signal Corps, United States Army

Received at

War Department Message Center,
Room 3441, Munitions Building,
Washington, D. C.

RADIOGRAM.

3-9812

U. S. GOVERNMENT PRINTING OFFICE: 1930

GI 60 39 WD FORTMONMOUTH NJ APRIL 6 329P
SIGNALS WASHINGTON DC.

211

RERADATE SUGGEST W F FRIEDMAN BE ORDERED TO SIGNAL CORPS
LABORATORIES FOR TWO DAYS TEMPORARY DUTY BEGINNING OR ABOUT
APRIL ELEVEN IN CONNECTION WITH INSPECTION AND TEST OF
CIPHER MACHINE TYPE M DASH ONE THREE FOUR DASH T TWO.

COWAN-

505P

*File 14**File 17**Jug*

1934 APR - 7 - AM 9 : 22

OFFICE
CHIEF SIGNAL OFFICER

OCSigO
OCSigO 201-Friedman, W. F.

B. B. Akin, Major, Signal Corps.

4/6/34

OO FT MONMOUTH ✓

CONCURRENCE OR REMARK AS TO DESIRABILITY OF ORDERING W. F. FRIEDMAN
CRYPTANALYST THIS OFFICE TO FORT MONMOUTH APRIL TEN FOR ABOUT FOUR DAYS
TEMPORARY DUTY CONNECTION DEVELOPMENT CIPHER MACHINE TYPE M DASH ONE
THREE FOUR DASH T TWO AT SIGNAL CORPS LABORATORIES REQUESTED

VAN HORN
ACTING

4/11/34

REPRODUCTION COPY

1934 APR - 8 - AM 11 13

OFFICE
CHIEF SIGNAL OFFICER

1934 APR - 8 - AM 11:17

W D M C

~~SUSPENSE~~

DATE *7-7-32*

OCSSO-201-Friedman, William Frederick (12-6-32)Res.

2nd Ind.

War Department, OCSigO., December 9, 1932 - To: The Adjutant General.

1. Noted.

For the Chief Signal Officer:

Robert Robinson,
Captain, Signal Corps.

FILE
SIG... AS... DATE 12-9-32

3rd Ind. 00-11/wrm
 201-Friedman, William F. -1-

War Dept., National Guard Bureau, November 21, 1933. To the Chief Signal Officer.

Funds to cover the visit of Major William F. Friedman to Boston, Massachusetts, for the purpose indicated in the basic letter are not available in the National Guard Bureau.

For the Chief, National Guard Bureau:

E. A. Fry,
Colonel, N.G.B.,
Executive.

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON
4th Ind.

OCSO 201 Friedman, Wm. F.

WD, OCSigO, Washington, Nov. 22, 1933 - To Commanding General, 1st Corps Area
(Through Chief, National Guard Bureau).

1. It is regretted that funds are not available to cover transportation
and per diem of Mr. William F. Friedman from Washington, D. C. to Boston,
Massachusetts, and return for the purpose indicated in basic letter.

For the Chief Signal Officer.

J. L. Van Deusen,
Major, Signal Corps.
Executive.

FILE	
SIG. <i>7210</i>	DATE <i>11/22/33</i>

MASSACHUSETTS NATIONAL GUARD.

November 10, 1933.

Subject: Major William F. Friedman, Lecture, Cryptography.

To: The Chief Signal Officer of the Army.

1. It is desired to include instruction in cryptography, as applied to the Military Service in its various phases, for the Officers of the Division Staff of the Twenty-Sixth Division, Massachusetts National Guard, The subject of cryptograph is so technical that it is believed that little would be gained from a lecture unless it was given by a specialist on this subject.

2. It is therefore requested that Major William F. Friedman, Signal Corps Reserve, now on duty in the office of the Chief Signal Officer, be ordered to this city for the purpose mentioned above.

3. The Division Staff meetings are held on Monday nights and December fourth or eleventh are available for this lecture.

Erland F. Fish,
Major General, Mass. N. G.
Commanding.

1st Ind. Nov. 15, 1933 AGD, Mass. N.G. concurring in request.

2nd Ind. Nov. 17, 1933 Hq 1st CA, CG, approved.

WAR DEPARTMENT
1/lg
Washington

March 21, 1933

The Public Printer,
Washington, D.C.

Sir:

Mr. William F. Friedman, Chief of the Signal Intelligence Section, Office of the Chief Signal Officer, U. S. Army, is hereby designated as contact representative of the War Department for code production at the Government Printing Office

Very Respectfully,

Geo. H. Dern,
Secretary of War.

2nd Ind.

lg

War Department, March 22, 1933. - To the Chief Signal Officer.

1. The two photostat copies of the letters signed by the Secretary of War, requested in paragraph 3 of basic letter, are forwarded herewith.

JOHN W. TYP

Administrative Assistant

2 Inclosures

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

OCSigO 461 Codes Gen.

March 18, 1933.

Designation of Contact Representative to
Government Printing Office,

The Adjutant General:

1. The Chief Signal Officer has been notified verbally by the Public Printer that hereafter contact representatives from executive departments or independent agencies to the Government Printing Office must be officially designated as such by letter signed by the head of the department or agency concerned.

2. For several years Mr. William F. Friedman, who is Chief of the Signal Intelligence Section of this office; and holds a commission as major if the Signal Reserve has acted as liaison officer between your office and the Government Printing Office in all details connected with the publication, printing and proofreading of codes. If this arrangement is still satisfactory to you, it is requested that an official letter signed by the Secretary of War be addressed to the Public Printer designating Mr. Friedman as contact representative of the War Department for code production at the Government Printing Office.

3. Two photostat copies of the aforesaid letter are requested for the files of this office.

For the Chief Signal Officer,

G. L. Van Deusen
Major Signal Corps
Executive.

1st Ind.

JFGLMMLber

War Dept. A.G.O., Mar. 20, 1933., - To the Assistant Chief Clerk War Department

This office has no objection to Mr. William F. Friedman acting as contact representative for code production between the War Department and the Government Printing Office.

John F. Clapham
Adjutant General.

C
O
P
Y

WAR DEPARTMENT
1/1g
WASHINGTON

March 21, 1933

The Public Printer,
Washington, D. C.

Sir:

Mr. William F. Friedman, Chief of the Signal Intelligence Section, Office of the Chief Signal Officer, U.S. Army, is hereby designated as contact representative of the War Department for code production at the Government Printing Office.

Very respectfully,

(signed) GEO. H. DEEN

Secretary of War.

WAR DEPARTMENT

OCSigO 201-Freidman, William F. OF THE CHIEF SIGNAL OFFICER

WASHINGTON

December 6, 1932

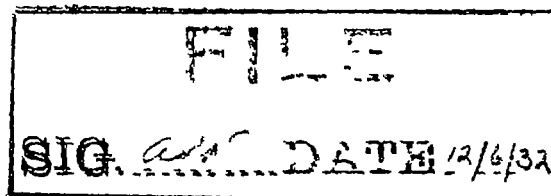
Return from Abroad

The Adjutant General, Washington, D. C., (THROUGH
Commanding General, 3rd Corps Area, Baltimore, Md.)

1. In accordance with paragraph 13 of memorandum of information, dated March 17, 1930, concerning officers of the reserve corps, I report my return to the United States from abroad.

2. My permanent address is 3932 Military Road, Washington, D.C.

William F. Friedman,
Major, Signal Reserve.



201-Friedman, William Frederick
78 (8-23-32)

1st Ind

5

HQ THIRD CORPS AREA, Baltimore, Md, August 24, 1932. To: Major William F. Friedman, Sig-Res., c/o Delegation of the U.S. to the International Radiotelegraph Conference, Madrid, Spain.

1 Incl.

REF ID: A66329
 WAR DEPARTMENT
 THE ADJUTANT GENERAL'S OFFICE

BA

IN REPLY
 REFER TO

AG 201 (8-23-32)Res.
 Friedman, William Frederick

WASHINGTON

GA 463

SUBJECT: Absence from the United States. August 23, 1932.

Through: C.G., Third Corps Area.

To: Major William Frederick Friedman, Sig-Res.,
 c/o Delegation of the U.S. to the
 International Radiotelegraph Conference,
 Madrid, Spain.

1. Receipt is acknowledged of your communication of August 12, 1932, reporting your contemplated absence from the United States for a period of two months. Your foreign address has been recorded as the one used herein.

2. Kindly comply with the provisions of paragraph thirteen of the inclosed memorandum of information during your absence and notify this office through your corps area commander promptly upon your return, giving your permanent address.

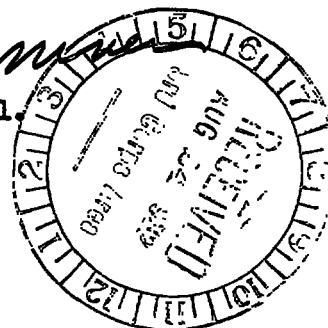
3. Reserve officers while absent from the limits of the United States or its possessions are not eligible for training, promotion, or reappointment. Should your appointment expire while you are abroad you may, if you desire, make application for a new appointment upon your return, under the regulations then in effect.

By order of the Secretary of War:

W. D. ...
 Adjutant General.

1 Incl.
 Memo. of Inf.

Copy to: Chief Signal Officer.
 The Asst. Chief of Staff,
 G-2.



CONCERNING

OFFICERS' RESERVE CORPS

March 17, 1930.

1. PROMOTIONS AND TRANSFERS - These will be made as provided in the regulations. Applications should be submitted to the Corps Area or Department Commander.

2. RELATIVE RANK IN GRADE - The National Defense Act, as amended, provides, concerning rank of officers, as follows:

"Unless special assignment is made by the President under the provisions of the one hundred and nineteenth article of war, all officers in the active service of the United States in any grade shall take rank according to date, which, in the case of an officer of the Regular Army, is that stated in his commission or letter of appointment, and, in the case of a Reserve officer or an officer of the National Guard called into the service of the United States, shall precede that on which he is placed on active duty by a period equal to the total length of active Federal service and service under the provisions of Sections 94, 97, and 99 of this Act which he may have performed in the grade in which called or any higher grade. When dates of rank are the same, precedence shall be determined by length of active commissioned service in the Army. When length of such service is the same, officers of the Regular Army shall take rank among themselves according to their places on the promotion list, preceding Reserve and National Guard officers of the same date of rank and length of service, who shall take rank among themselves according to age." Service in the Officers' Reserve Corps in inactive status cannot, under the law, be credited in determining relative rank.

3. EXTENSION COURSES - Have been prepared by most of the Branches. These courses and many of the publications used as texts are furnished without charge. Corps Area and Department Commanders will supply full information concerning the extension courses upon request.

4. MILITARY SOCIETIES AND THEIR PUBLICATIONS - To enable Reserve officers to keep informed of current military events, and to keep in touch with latest developments, pending the issue of definite instructions by the War Department, they are encouraged to join the Association of officers of their arm and subscribe to its journal. "The Infantry Journal", The U. S. Infantry Association; "The Cavalry Journal", The U. S. Cavalry Association; "The Field Artillery Journal", The U. S. Field Artillery Association, 1624 H Street, N.W., Washington, D.C.; "The Quartermaster Review", 923 - 15th Street, N.W.; "The Military Engineer", The Society of American Military Engineers, 322 Mills Building; "The Military Surgeon", published by the Association of Military Surgeons of the U. S., Army Medical Museum; "The Military Dental Journal", published by the Association of Military Dental Surgeons of the U. S., 1801 16th Street, N.W., all the above published at Washington, D. C., by the respective Societies and Associations named above; "The Medical Bulletin", published at the Medical Field Service School, Carlisle Barracks, Pa.,

"The Coast Artillery Journal", published at Fort Monroe, Va., and "Army Ordnance", published by the Army Ordnance Association, Room 410 Munsey Bldg., Washington, D. C., contain information of value and of interest to all officers of the particular arm concerned and also contain matter of special interest to Reserve officers. Most of them have a special department for the instruction of Reserve officers.

5. PUBLICATIONS BY CHIEFS OF BRANCHES - The Field Artillery School at Fort Sill, Oklahoma, the U. S. Signal Corps, Washington, D. C., the Office of the Chief of Finance, and the Chemical Warfare Service, Edgewood, Maryland, issue mimeographed or printed bulletins from time to time, which are mailed to officers of their respective sections and if these have not been received and are desired, will be supplied on application.

6. WAR DEPARTMENT PUBLICATIONS - USE OF UNIT LIBRARIES - The War Department cannot at the present time on account of lack of funds, undertake to furnish Reserve officers with publications other than those supplied with extension courses. Reserve officers may avail themselves of the use of the libraries established at headquarters of those units of the Organized Reserves at which an officer of the Regular Army is on duty. The Superintendent of Documents, Government Printing Office, Washington, D. C., issues a price-list of official military publications from time to time, which may be procured upon request. These publications are sold for the cost of printing and will assist the Reserve officer to keep abreast of the latest military thought. Also see Circular No. 5, War Department, January 30, 1928, for list of publications of special value to Reserve officers.

7. ACTIVE DUTY - WHEN CONSENT IS REQUIRED - PAY AND ALLOWANCES - To the extent provided for by appropriations for this specific purpose the President may order a Reserve officer to active duty with any of the military forces of the United States at any time for any period, but except in time of a National Emergency expressly declared by Congress, no Reserve officer shall be employed on active duty for more than fifteen days in any one calendar year without his consent. The Act approved June 10, 1922, provides base pay while on active duty as: Second Lieutenant, \$1500; First Lieutenant, \$2000, Captain, \$2400; Major, \$3000, Lieutenant Colonel, \$3500, Colonel \$4000, with a five percent increase of pay for each period of three years' service. In computing the increase of pay for each period of three years' service, such officers shall be credited with full time for all periods during which they have held commissions as officers of the Army, Navy, Marine Corps, Coast Guard, Coast and Geodetic Survey, and Public Health Service, or in the Organized Militia prior to July 1, 1916, or in the National Guard, or in the Naval Militia, or in the National Naval Volunteers, or in the Naval Reserve Force or Marine Corps Reserve Force, when confirmed in grade and qualified for all general service, with full time for all periods during which they have performed active duty under Reserve commissions, and with one-half time for all other periods during which they have held Reserve commissions. Allowances while on active duty will be at the rate for the corresponding grade in the Regular Army under similar circumstances. Mileage at the prescribed rate from homes to first stations and from last stations to homes is authorized, except that the Army Appropriation Acts for the fiscal year July 1, 1923 - June 30, 1924, and subsequent years, limit to four

cents per mile, the mileage for Reserve officers ordered for fifteen day training periods or less, or if Quartermaster transportation is secured, to that transportation plus one cent per mile traveled. The Comptroller General has decided that transportation for dependents from home to first station and from last station to home is not authorized (W.D. Cir. 98, 1922). Concerning rental allowances, an Act approved May 31, 1924, provides in part as follows:

"Except as otherwise provided in the fourth paragraph of this section, each commissioned officer below the grade of Brigadier General or its equivalent, in any of the services mentioned in the title of this Act, while either on active duty or entitled to active duty pay shall be entitled at all times to a money allowance for rental of quarters."

Paragraph 4 of that Section reads:

"No rental allowance shall accrue to an officer, having no dependents, while he is on field or sea duty, nor while an officer with or without dependents is assigned as quarters at his permanent station the number of rooms provided by law for an officer of his rank or a less number of rooms in any particular case wherein, in the judgement of competent superior authority of the service concerned, a less number of rooms would be adequate for the occupancy of the officer and his dependents."

The law provides that a Reserve officer who shall become entitled for a continuous period of less than one month to Federal pay for active duty shall receive such pay for each day of such period; and the thirty-first day of a calendar month shall not be excluded from the computation. The pay of a Reserve officer when ordered to active duty begins on the date on which he starts to obey his order. Payment of pay and allowances, including pay and mileage for his return home, may be paid to a Reserve officer, on active duty for less than one month, prior to his departure from the camp or other place at which such service is performed. There is no provision for pay while in inactive status. A Reserve officer of the Army is not entitled by law to retirement or retired pay.

An Act approved March 4, 1923, as amended, provides in part:

"That --- members of the Officers' Reserve Corps and of the enlisted reserve corps of the Army who suffer personal injury or contract disease in line of duty while on active duty under proper orders; --- shall, under such regulations as the President may prescribe, when hospital treatment is necessary for appropriate treatment of such injury or disease, be entitled to hospital treatment, including medical treatment, at Government expense until the disability resulting from such injury or disease cannot be materially improved by further hospital treatment, and, during the period of hospitalization, to the same pay and allowances whether in money or in kind that they were entitled to receive at the time such injury was suffered or disease contracted, and to transportation to their homes at Government expense when discharged from hospital; they shall also be entitled to such further medical treatment for such injury or disease as is reasonably necessary after arrival at their homes under such regulations as may be prescribed by the President, --- and members of the Officers' Reserve Corps and Enlisted Reserve Corps of

the Army injured in line of duty while voluntarily participating in aerial flights in Government-owned aircraft by proper authority as an incident to their military training, but not on active duty, shall, under regulations prescribed as aforesaid, be entitled to the same hospital treatment, including medical treatment, pay and allowances, and transportation to their homes, and further medical treatment after arrival at their homes, as if such injury had been suffered while on active duty under proper orders. No person hospitalized under the foregoing provisions of this section on account of any personal injury suffered or disease contracted shall be entitled to receive, in connection with such injury or disease, pay or allowance other than hospital treatment, including medical treatment, and transportation, as herein provided, for more than six months; but for any remaining period of such hospitalization he shall be entitled to subsistence at Government expense. --- If the death of any person mentioned herein occurs while he is undergoing the training or medical and hospital treatment contemplated in this section, the United States shall pay for burial expenses and the return of the body to his home a sum not to exceed \$100, as may be fixed in regulations prescribed by the President."

8. ACTIVE DUTY - WHO MAY BE ORDERED - Only the following classes of Reserve officers may be ordered to active duty from funds appropriated for the Organized Reserves:

(a) Any Reserve officer for not to exceed fifteen days during the fiscal year. This will comprise those officers selected for training for fifteen days periods or less. Application therefor should be addressed to the Corps Area Commander.

(b) Such officers as may be detailed for courses of instruction in the general or special service schools of the Army.

(c) Such officers as may be detailed for duty as instructors in Citizens' Military Training Camps appropriated for in the Appropriation Act for the support of the Army.

(d) Such officers as may be detailed for duty with the tactical units of the Air Corps.

(e) Such officers as may be detailed for duty with the War Department General Staff.

The number of officers who will be ordered to active duty during the fiscal year will be limited owing to the fact that the appropriations for this purpose cannot be exceeded.

9. INACTIVE STATUS TRAINING - TARGET PRACTICE, ETC. - Reserve officers in inactive status may be assigned by Corps Area and Department Commanders to organizations or establishments of the Regular Army for instruction, target practice, field exercises, et cetera, at their own request, but without pay. All proper steps will be taken to reduce to a minimum the expense of officers who seek training at their own expense. Reserve officers also may be attached to units of the National Guard for target practice provided the state authorities consent and instruction and firing can be arranged conveniently. Application for assignment under this authority should be made to the Corps Area or Department Commander, under whose juris-

diction permanent address is maintained. For Reserve officers desiring to engage in target practice, appropriate allowance of ammunition will be made. For detailed information on this subject the Corps Area Commander should be consulted.

10. UNIFORMS AND EQUIPMENT - PURCHASE THEREOF - SALES OF SUBSISTENCE TO INACTIVE RESERVE OFFICERS NOT AUTHORIZED - Reserve officers must provide themselves with field uniforms with proper insignia, for use when ordered to active duty. Other than clothing, everything needed by such officers will be issued when ordered to active duty, except such articles as they may have previously purchased from the War Department. Reserve officers not on active duty, after proper identification, may purchase under certain conditions and in such quantities as would be required by them when called into active Federal service, and at such places as may be designated in orders or from sales stores or other points of supply in the department or corps area in which they reside, necessary uniforms, accouterments and equipment at the same prices at which such articles are furnished to officers of the Regular Army. When in doubt as to the nearest point of supply, application should be directed to the Corps Area or Department Commander. Sales of Subsistence stores are not authorized to Reserve officers on the inactive list.

11. UNIFORM AND INSIGNIA - WEARING OF - The uniform and insignia prescribed for officers of the Officers' Reserve Corps are identical with those prescribed for officers of the Regular Army. The superimposed "R" is no longer worn. Officers holding commission in sections for which no insignia are prescribed, will wear a cut out coat-of-arms of the United States within a ring.

(a) Reserve officers not members of the Regular Army or National Guard, not on active duty and within the United States or its possessions, may wear the uniform on occasions of military ceremony, at social functions of a military character, at informal gatherings of the same character, and when engaged in the military instruction of a cadet corps or similar organization, or when responsible for the military discipline at an educational institution. Such Reserve officers may also wear the uniform when attached to an organization for target practice, when visiting a military station for participation in military drills or exercises or when assembled for the purpose of instruction.

(b) Reserve officers not on active duty, and outside of the United States or its possessions will not, except when granted authority, wear the uniform. Such officers, on occasions of military ceremony or other military functions, may, upon reporting to the nearest military attache and having their status accredited, be granted authority to appear in uniform. (In case there is no military attache accredited to the country in question, authority to wear the uniform for a specific occasion should be obtained from the proper civil or military authorities of the country in question).

12. LAPEL BUTTON - A lapel button for optional wear on civilian clothes only, by members of the Officers' Reserve Corps has been approved. The specifications are as follows: A circular button of gold or gilt $\frac{1}{2}$ -inch in diameter with face enameled in the color of the facings of the arm or corps; surrounded by a narrow circle of gold or gilt and with the letters "U.S.R." in the center. These letters to be in gold or gilt when there is but one color in the facings; when there are two colors, the letters will be in the color of the piping or second color. The Button will be green for officers commissioned in a section for which no color is provided, and it will be gold, with letters in relief,

for general officers. These buttons will not be furnished by the War Department but may be obtained from dealers in military goods. The design of these buttons will conform to the drawings in the office of The Quartermaster General.

13 ABSENCE FROM THE UNITED STATES - NOT ELIGIBLE FOR REAPPOINTMENT.

Any officer of the Reserve Corps desiring to leave the limits of the United States for a period of more than thirty days will notify The Adjutant General, through military channels, of the place, approximate date, and probable duration of his travel or temporary residence abroad. Former restrictions on duration of foreign residence or travel have been removed. Any such officer will keep The Adjutant General informed of his correct address and will promptly report return to the United States, giving his permanent address. It is desirable that any such officer report his presence and address in any foreign country to the nearest United States Military Attache. The War Department has made arrangements with the Ministry of Public Works, France, whereby Reserve officers who come to France and who desire to perfect themselves in French may be referred to suitable French families where they can be boarded and lodged, partake of the family life, and rapidly learn French under favorable and economical conditions. Any Reserve officer interested should write directly to the "Office National de Tourisme", 17 rue de Suresne, Paris.

Reserve officers are not eligible for training, active duty, promotion or reappointment while abroad.

Any Reserve officer whose appointment will expire while abroad and within six months of his departure from the United States, and who desires to qualify for reappointment prior to such departure, may take up that matter with his Corps Area Commander.

14. NATIONAL GUARD - HOLDING COMMISSION THEREIN BY RESERVE OFFICER -

The amendment approved September 22, 1922, to the National Defense Act provides as follows:

"Any person commissioned in the National Guard and recognized as a National Guard officer by the Secretary of War, may upon his own application, be appointed as a Reserve officer in the grade held by him in the National Guard."

The word "commissioned" in the amendment quoted above is applied to any person who holds a federally recognized commission on the active list of the National Guard at date of appointment in the Officers' Reserve Corps.

(a) Section 38, National Defense Act as amended June 6, 1924, provides in part:

"Officers of the National Guard federally recognized as such under the provisions of this Act, who are appointed Reserve officers under the provisions of Section 37 of this Act, shall be appointed for the period during which such recognition shall continue in effect and terminating at the expiration thereof in lieu of the five-year period heretofore prescribed, and in time of peace shall be governed by such special regulations appropriate for this class of Reserve officers as the Secretary of War may prescribe."

15. RESIGNATION - Reserve officers may submit, by letter, through military channels to The Adjutant General, stating their reasons therefor, resignations from their commissions at any time, but the acceptance thereof is at the discretion of the President.

16. ADDRESS - NOTICE OF CHANGE - SIGNATURE - Notice of each change of permanent address should be sent promptly through military channels, including in all cases the corps area or department commander, to The Adjutant General of the Army. A.G.O. Form 172 (old 112) is provided for this purpose. If a communication is received from an office of the military establishment incorrectly addressed, attention should be called to that fact. In all military correspondence it is essential that the name be spelled out in full, special attention being paid to legibility and that the grade and section in the Officers' Reserve Corps be indicated, and that autographic signature be affixed.

17. VALIDITY - Any instructions contained herein which come in conflict with regulations as issued from time to time will be superseded by such regulations.

18. CONCLUSION - COMMENTS INVITED - In conclusion, attention is invited to the fact that each Reserve officer is an officer of the Army of the United States and has an interest in it. Any comments, suggestions, or plans for the advancement of the Organized Reserves, or any other component of the Army, will be welcomed as a valuable aid in the development of the Military establishment to the end that it may better serve its purpose in the plan of National Defense.

C. E. Bridges,
Major General,
The Adjutant General.

March 17, 1930.
(4th Edition).

WAR DEPARTMENT

OCSigO 201-Freidman, William F. OFFICE OF THE CHIEF SIGNAL OFFICER

WASHINGTON

December 6, 1932

Return from Abroad

The Adjutant General, Washington, D. C., (THROUGH
Commanding General, 3rd Corps Area, Baltimore, Md.)

1. In accordance with paragraph 13 of memorandum of information, dated March 17, 1930, concerning officers of the reserve corps, I report my return to the United States from abroad.
2. My permanent address is 3932 Military Road, Washington, D.C.

William F. Friedman,
Major, Signal Reserve.

201-Freidman, William F. Leonard
78 (12-6-32)

1st Ind

5

HQ THIRD CORPS AREA, Baltimore, Md, December 7, 1932. Through: The Chief Signal Officer, to The Adjutant General.

WN 38 CX SP 31 MADRID 78 7 1855 (CONFERENCE)

SIGNAL WAR WASHINGTON

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STANDARD FORM No. 14A
 APPROVED BY THE PRESIDENT
 MARCH 10, 1926

FROM: WAR DEPARTMENT

BUREAU _____

TELEGRAM

OFFICIAL BUSINESS—GOVERNMENT RATES

SEND IN CODE

DEADHEAD .

November 5, 1932.

Lieut. Wesley T. Guest, S.C.,
 International Radiotelegraph Conference,
 American Embassy,
 Madrid, Spain.

FOR YOUR INFORMATION ONLY PRESENT STATUS IS AS FOLLOWS STOP CONFERENCE
 THIRD SHOWS AMERICAN DELEGATION PROPOSAL DATED NOVEMBER FIRST SATISFACTORY TO
 UNITED STATES BROADCASTERS SEMICOLON SATISFACTORY TO ARMY NAVY COMMERCE
 AGRICULTURE TREASURY SHIPPING BOARD AMERICAN SHIPOWNERS AND MACKAYE ONLY IF
 THE NOTE PERMITTING BROADCASTING IS ELIMINATED IN RESPECT TO NORTH AMERICA
 AND GUARD BAND FOR SHIPS OF ABOUT TEN KC ABOVE ONE SIXTY AGAINST BROADCASTING
 IN EUROPE IS PROVIDED SEMICOLON UNITED STATES BROADCASTERS UNWILLING TO GIVE
 UP ANY FREQUENCIES BUT WILL SUPPORT ANY PROPOSAL THAT EXTENDS BROADCASTING
 IN NORTH AMERICA AND ARE APPARENTLY ENTIRELY WILLING TO TRUST THEIR CASE TO
 THE AMERICAN DELEGATION SEMICOLON AMERICAN SHIPOWNERS ASSOCIATION AND MACKAYE
 ARE UNALTERABLY OPPOSED TO EXTENSION OF AMERICAN BROADCASTING BELOW FIVE FIFTY

STANDARD FORM No. 14A
 APPROVED BY THE PRESIDENT
 MARCH 10, 1926

TELEGRAM

OFFICIAL BUSINESS—GOVERNMENT RATES

FROM: WAR DEPARTMENT

BUREAU

OFFICE
 CHIEF SIGNAL OFFICER

1932 NOV - 5 - AM 10:05

AT EXPENSE OF MARINE INTERESTS AND BOTH ARE DETERMINED TO FIGHT ANY SUCH
 CONVENTION ON FLOOR OF SENATE SEMICOLON AGREEMENT BETWEEN UNITED STATES
 BROADCASTERS AND REMAINING UNITED STATES INTERESTS SEEMS TO BE UTTERLY
 IMPOSSIBLE SEMICOLON SUBSTANTIALLY ALL UNITED STATES INTERESTS EXCEPT
 BROADCASTERS ARE IN ACCORD SEMINOLON AMERICAN BROADCASTERS HAVE NOT
 SIGNIFIED THEIR WILLINGNESS TO GIVE UP ANYTHING SEMICOLON IMPROBABLE
 THAT ANY TREATY SERIOUSLY OPPOSED BY EITHER BROADCASTERS OR REMAINING UNITED
 STATES GROUPS WOULD BE RATIFIED BY SENATE STOP SO FAR AS ARMY IS CONCERNED
 IT MAKES NO DIFFERENCE WHAT EUROPE DOES ON FREQUENCIES BELOW FIVE FIFTY BUT
 ARMY SHOULD STAND SHOULDER TO SHOULDER WITH OTHER INTERESTS IN OPPOSING
 ENCROACHMENTS OF BROADCASTERS IN NORTH AMERICA BELOW FIVE FIFTY AND TO SECURE
 REASONABLE PROTECTION FOR AMERICAN SHIPS WHEN IN EUROPEAN WATERS I.

COLTON

REF ID: A66329

Postal Telegraph

THE INTERNATIONAL SYSTEM

Commercial
Cables



All America
Cables

Mackay

Radio

RECEIVED AT
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STANDARD TIME
INDICATED ON THIS MESSAGE

This is full rate Telegram, Cablegram or Radiogram unless otherwise indicated by signal in the check or in the address.

DL	DA	ETTER
NL	NO	ETTER
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NLT	NIGHT	CABLE LETTER
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MAJOR AKIN

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WAR DEPARTMENT
SIGNAL CORPS, UNITED STATES ARMY
SIGNAL INTELLIGENCE SERVICE

1

CRYPTOGRAPHIC SHEET

A	<u>GYREW</u> 01	<u>OLJAL</u> 02	<u>ONMAT</u> 03	<u>JOLYP</u> 04	<u>AQOJU</u> 05
B	<u>ECXOC</u> 06	<u>LIJWAM</u> 07	<u>SOSAF</u> 08	<u>AJXIT</u> 09	<u>EMYZA</u> 10
C	<u>OZFET</u> 11	<u>ELLEM</u> 12	<u>EGRAN</u> 13	<u>ROGAM</u> 14	<u>UXZAX</u> 15
D	<u>LITMAP</u> 16	<u>BUQYD</u> 17	<u>FEMOS</u> 18		
E	<u>ERXOV</u> 19	<u>ROGAM</u> 20	<u>APBOR</u> 21	<u>APLUC</u> 22	<u>NUYAP</u> 23
F	<u>EBIDE</u> 24	<u>AFSIS</u> 25	<u>LIQIWE</u> 26	<u>SISOC</u> 27	<u>AKCIW</u> 28
G	<u>OPASA</u> 29	<u>BENOX</u> 30	<u>LUGES</u> 31	<u>ATWUR</u> 32	<u>OLJAL</u> 33
H	<u>ITATI</u> 34	<u>ODYLO</u> 35	<u>ORPIN</u> 36	<u>BUQYD</u> 37	<u>JACIG</u> 38
J	<u>JOLYP</u> 39	<u>EXOFO</u> 40	<u>IWPYC</u> 41	<u>OCPAR</u> 42	<u>GYWEM</u> 43
K	<u>IKYRO</u> 44	<u>AVOLI</u> 45	<u>TEFIN</u> 46	<u>SIMYG</u> 47	<u>OGQAP</u> 48
L	<u>LFNOS</u> 49	<u>IBUGI</u> 50	<u>IFVAL</u> 51	<u>ABORO</u> 52	<u>ULLAG</u> 53
M	<u>AFMAX</u> 54	<u>BUQYD</u> 55	<u>ATDID</u> 56	<u>IVZIS</u> 57	<u>JUMUR</u> 58
N	<u>ALDIW</u> 59	<u>DUREL</u> 60	<u>BUQYD</u> 61	<u>FEMOS</u> 62	<u>LYMAF</u> 63
P	<u>UMOXU</u> 64	<u>LVMLC</u> 65	<u>AMATA</u> 66	<u>ICLAT</u> 67	<u>ISSOT</u> 68
R	<u>CAGEW</u> 69	<u>LICBYM</u> 70	<u>BYQYQ</u> 71	<u>OZFET</u> 72	<u>BOZUB</u> 73
S	<u>FUSYX</u> 74	<u>BUQUX</u> 75	<u>CYMYW</u> 76	<u>IWJEG</u> 77	<u>AKSIN</u> 78
T	<u>AMLIS</u> 79	<u>FARAD</u> 80	<u>WEMEX</u> 81	<u>LYGIB</u> 82	<u>UQXEQ</u> 83
U	<u>LMSYC</u> 84	<u>CYGLM</u> 85	<u>LINKET</u> 86	<u>NUTYK</u> 87	<u>EMYZA</u> 88
V	<u>NAMIL</u> 89	<u>AKCIW</u> 90	<u>OPASA</u> 91	<u>ARSOP</u> 92	<u>AKREL</u> 93
W	<u>LUGES</u> 94	<u>ATWUR</u> 95	<u>EBFOW</u> 96	<u>USDAR</u> 97	<u>OLRUD</u> 98

Sheet No.

WAR DEPARTMENT
SIGNAL CORPS, UNITED STATES ARMY
SIGNAL INTELLIGENCE SERVICE

12

CRYPTOGRAPHIC SHEET

A	<u>APBOR</u> 01	<u>FUVAM</u> 02	<u>OGRIS</u> 03	<u>EDELY</u> 04	<u>BUQYD</u> 05
B	<u>LZTIT</u> 06	<u>AZYLO</u> 07	<u>EBNEX</u> 08	<u>TIBUL</u> 09	<u>FUKAQ</u> 10
C	<u>QUFAS</u> 11	<u>MAMAK</u> 12	<u>JETOF</u> 13	<u>AKTOX</u> 14	<u>ANKEG</u> 15
D	<u>LYGIB</u> 16	<u>GENIK</u> 17	<u>BYQYQ</u> 18	<u>UBGIP</u> 19	<u>EFUPLI</u> 20
E	<u>OKJEF</u> 21	<u>GOGOK</u> 22	<u>QUFAS</u> 23	<u>IYSAV</u> 24	<u>RYRYB</u> 25
F	<u>AFRYC</u> 26	<u>MYPEP</u> 27	<u>BUQYD</u> 28	<u>FEMOS</u> 29	<u>BENOX</u> 30
G	<u>QAVYN</u> 31	<u>AFYVE</u> 32	<u>JETOF</u> 33	<u>RYJYR</u> 34	<u>LWARA</u> 35
H	<u>IVBES</u> 36	<u>ERXOV</u> 37	<u>LIBCUN</u> 38	<u>AGLAF</u> 39	<u>UTMAP</u> 40
J	<u>JETOF</u> 41	<u>FOJYG</u> 42	<u>BUQYD</u> 43	<u>FEMOS</u> 44	<u>ANNUP</u> 45
K	<u>ACCLIP</u> 46	<u>ALDIW</u> 47	<u>NUTYK</u> 48	<u>BUQYD</u> 49	<u>FEMOS</u> 50
L	<u>ELPUT</u> 51	<u>SUKYF</u> 52	<u>UMSYC</u> 53	<u>WEMIR</u> 54	<u>UMOXU</u> 55
M	<u>LIVMUC</u> 56	<u>AMGAV</u> 57	<u>NAMIL</u> 58	<u>IVFAN</u> 59	<u>UGDEN</u> 60
N	<u>UQJYN</u> 61	<u>SASYQ</u> 62	<u>OLRUD</u> 63	<u>CAGEQ</u> 64	<u>BUQYD</u> 65
P	<u>FEMOS</u> 66	<u>QUTAZ</u> 67	<u>QAVYN</u> 68	<u>DUREL</u> 69	<u>IKVAG</u> 70
R	<u>GIWAW</u> 71	<u>PIRON</u> 72	<u>PERUQ</u> 73	<u>RYSAV</u> 74	<u>TUQIT</u> 75
S	<u>TALOD</u> 76	<u>APLUC</u> 77	<u>JOSOM</u> 78	<u>JYPYT</u> 79	<u>OBROJ</u> 80
T	<u>IMCUJ</u> 81	<u>FIJAK</u> 82	<u>LICBOK</u> 83	<u>PUKOT</u> 84	<u>ICLAT</u> 85
U	<u>ISSOJ</u> 86	<u>AZYLO</u> 87	<u>EBNEX</u> 88	<u>JONYV</u> 89	<u>AVNOG</u> 90
V	<u>GASOR</u> 91	<u>TOFYW</u> 92	<u>SOREW</u> 93	<u>APBOR</u> 94	<u>SOREW</u> 95
W	<u>MIKYC</u> 96	<u>ESDYG</u> 97	<u>JETOF</u> 98	<u>AQXYQ</u> 99	<u>OLRUR</u> 00

Sheet No.

WAR DEPARTMENT
SIGNAL CORPS, UNITED STATES ARMY
SIGNAL INTELLIGENCE SERVICE

Sheet No.
3

CRYPTOGRAPHIC SHEET

A	<u>EZJAS</u> 01	<u>EMJOL</u> 02	<u>DUMIG</u> 03	<u>BUQYD</u> 04	<u>FEMOS</u> 05
B	<u>IWJEG</u> 06	<u>AZYLO</u> 07	<u>EBNEX</u> 08	<u>ALESY</u> 09	<u>RYBYL</u> 10
C	<u>POJUV</u> 11	<u>OZJYT</u> 12	<u>T.EFIN</u> 13	<u>AKCIW</u> 14	<u>LIMFUF</u> 15
D	<u>IVZIS</u> 16	<u>AKMOQ</u> 17	<u>VEBIS</u> 18		
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Sheet No.

For the Chief Signal Officer

OCSigO
November 5, 1932

LIEUT. WESLEY T. GUST, S.C.,
INTERNATIONAL RADIOTELEGRAPH CONFERENCE,
AMERICAN EMBASSY,
MADRID, SPAIN.

GYREN	OLJAL	ONMAT	JOLYP	AGOJU	ECXOC	UJWAM	SOSAF
AJXIT	EMYZA	OZFET	ELLEM	EGRAN	ROGAM	UJZAX	UTMAP
BUQYD	FEMOS	ERXOV	ROGAM	APBOR	APLUC	NUGAP	EBIDE
AFSIJ	UQINE	SISOC	AKCIW	OPASA	BENOX	LUGES	ATWUR
OLJAL	ITATI	ODYLO	ORPIN	BUQYD	JACIG	JOLYP	EXOFO
IWPYC	OCPAR	GYWEM	LYRO	AVOLI	TEFIN	SIMYG	OGQAP
UFNOS	IBUGI	IFVAL	ABORO	ULLAQ	AFMAX	BUQYD	ATDID
IVZIS	JUMUR	ALDI	DUREL	BUQYD	FLMOS	UVMAF	UJOUU
UVMUC	AMATA	ICLAT	ISSOJ	CAGEN	UCBYM	HYCIC	OZFET
BOZUB	FUSYX	BUQUX	CYMYN	INJEG	ARSIN	AMLIS	FARAD
WEMEX	LYGIB	UQCEC	UMSYC	CYGUM	UNKET	MUTYK	EMYZA
NAMIL	AKCIW	OPASA	ARSOP	AKREL	LUGES	ATWUR	EBFON
USDAR	OLRUD	APBOR	FUVAM	OGRIS	ELELY	BUQYD	UZTIT

PAGE 2

AZYLO	EBMLK	TIBUL	FUKAQ	QUPAS	MAMAK	JETOF	AKTOX
ANKLG	LYGIB	GLHAK	BYQYQ	UBGIP	EFUPU	JKLJF	GOGOK
QUPAS	IYSAV	KYRYB	AFRYC	MYPRP	BUQID	FLAOS	BrNOX
QAVYH	AFYVE	JETOF	RYJYR	UWARA	IVBLS	ERAQV	UBCUN
AGLAF	UTMAP	JETOF	FOJYG	BUQYD	FLMOS	ANNUP	ACCUP
ALDIW	NUTYK	BUQYD	FLMOS	LLPUT	SUKYF	UMSYG	WEMER
UQOXU	UVBUC	ANGAV	NAMIL	IVFAN	UGDEN	UQJYN	SASYG
OLKUD	CACVQ	BUQYD	FLMOS	QDTAZ	QAVYH	DUREL	IKVAG
GIWAN	PIRON	PARUC	KYSAV	TUQJY	TALOD	APLUC	JOSOM
JYFYT	OBROJ	IMCUJ	FLJAK	UCBOK	PURQF	IGLAT	ISSOJ
AZYLO	EBMLK	DONYV	AVMOG	GASOR	TOFYW	SOREW	APBOR
SOREW	MIRYC	ESDYG	JETOF	AQJY	OLRUR	EZJAS	IMJOL
DUBIG	BUQYD	FLMOS	LJEG	AZYLO	EBMLK	ALESY	RIBYL
POJUV	OZJYT	TEFIN	AKCIW	ULAFUF	IVZIS	AKMOQ	VERLJ

COLTON

WAR DEPARTMENT
Office of the Chief Signal Officer
Washington

OCSigO 352.11 Leaven-
worth

September 8, 1932.

SUBJECT: Command and General Staff School Course.

TO: Major W. F. Friedman, Sig-Off.,
Office of the Chief Signal Officer.

1. It is desired to bring to your attention as an officer in the class eligible for attendance at the Command and General Staff School, Fort Leavenworth, Kansas, some of the benefits to be derived from the pursuance of this course.

2. The mission of the Command and General Staff School is to prepare officers for command and general staff duty --

a. By training them in --

- (1) The tactics and technique of the associated arms to the degree necessary to assure proper coordination.
- (2) The operation of large units to include the corps acting alone or within the army.
- (3) The functions of commanders, staffs, and services of large units to include the corps acting alone or within the army.
- (4) Corps area general staff duty in time of peace and us pertaining to the zone of the interior in time of war.

b. By teaching military history, including method of historical research and historical illustrations of tactical principles.

3. In addition to the regular 2-year course for regular officers, a 3-months' course is conducted annually for eligible officers of the National Guard and the Officers' Reserve Corps. While attendance at this course is voluntary, it is felt that all field officers of the Signal Reserve Corps who are not ineligible because of age limitations should endeavor to attend.

4. Signal Reserve Officers of field grade, unless assigned in time of war to special duties such as procurement, will serve as signal officers of large units or will be concerned with policies and doctrines for the employment of means of communication in or between large units. An understanding of the tactical missions of such units will be invaluable.

5. The satisfactory completion of this course opens the way to eligibility for general staff assignment. It also exempts graduates from examination in those subjects listed as military knowledge qualifications for promotion to the grades of lieutenant colonel and colonel. (Army Regulations 140-38.) Each day of active duty earns a credit of seven hours toward reappointment.

6. The requirements for attendance at the Command and General Staff School course are as follows: The applicant must --

- a. Be of field grade (major or higher).
- b. Not be a member of the National Guard.
- c. Not be more than 48 years of age unless he possesses exceptional qualifications, in which case the age limit is 50 years.
- d. Not be on the Emergency Officers' Retired List nor be drawing compensation from the Government for physical disability.
- e. Be in good physical condition.
- f. Have completed successfully at least the first four subcourses of the Command and General Staff Extension Course.

7. It is realized that most officers are able to meet all requirements except the one stated in paragraph 6 f above. Officers who desire to enroll in the Command and General Staff Extension Course should submit their application therefor to the commanding general of the corps area in which they reside. Full information concerning Army Extension Courses and an enrollment application form may be obtained from the headquarters of the corps area in which you reside.

8. Application for attendance at the Command and General Staff School course which begins about March 15, 1933, should be forwarded to the Chief Signal Officer in time to be received not later than October 1, 1932. The following statements must be made in the applications:

- a. That you will accept the assignment if ordered to active duty for the purpose.
- b. That you are not a member of the National Guard.
- c. Date of birth.
- d. That you are not on the Emergency Officers' Retired List and that you are not receiving compensation from the Government for physical disability.
- e. Number and age of dependents. (Public quarters are not available for reserve officers attending the course. Rental allowance is paid.)

- f. Amount and kinds of prior service claimed which can be credited in computing longevity pay.
- g. Progress in the Command and General Staff Extension Course. (Number of sub-courses completed.)

9. Your application must be accompanied by a report of physical examination on War Department Form No. 63, preferably by a medical officer of the Regular Army, containing a statement by the medical examiner that you are considered physically fitted to meet the requirements of the mental, mounted, and field work.

10. The Chief Signal Officer hopes that you will find it practicable to apply for this course at an early date.

By order of the Chief Signal Officer.

S. B. Akin
S. B. Akin,
Major, Signal Corps.

SUSPENSE

DATE 10/1/32
SIG. R.C.

Signal Corps, United States Army

War Department Message Center,
 Room 3441, Munitions Building,
 Washington, D. C.

POSTAL TELEGRAPH-CABLE CO.

2-2000

WB 37 WIRELESS VIA MACKAYRADIO=MADRID 3 1240

32 SEP 3 AM 10 24

MAJOR AKIN=

SIGNAL OFFICE WAR DEPT WASHINGTONDC=

CONFERENCE OPENED THIS MORNING MUCH CEREMONY STOP HOPE
 EVERYTHING GOING WELL BUT IF ANY QUESTIONS ARISE DONT HESITATE
 MAKE USE FRANKING PRIVELEGE STOP PLEASE CONVEY CORDIAL
 GREETINGS TO ALL=

FIEDMANN..

32 SEP - 3 - AM 11:06
 CHIEF SIGNAL OFFICER

AG 201 (8-23-32)Res.
Friedman, William Frederick

GA 483

Absence from the United
States.

August 23, 1932.

Through: C.G., Third Corps Area.

Major William Frederick Friedman, Sig-Res.,
c/o Detachment of the U.S. to the
International Radiotelegraph Conference,
Madrid, Spain.

1. Receipt is acknowledged of your communication of August 12, 1932, reporting your contemplated absence from the United States for a period of two months. Your foreign address has been recorded as the one used herein.

2. Kindly comply with the provisions of paragraph thirteen of the inclosed memorandum of information during your absence and notify this office through your corps area commander promptly upon your return, giving your permanent address.

3. Reserve officers while absent from the limits of the United States or its possessions are not eligible for training, promotion, or reappointment. Should your appointment expire while you are abroad you may, if you desire, make application for a new appointment upon your return, under the regulations then in effect.

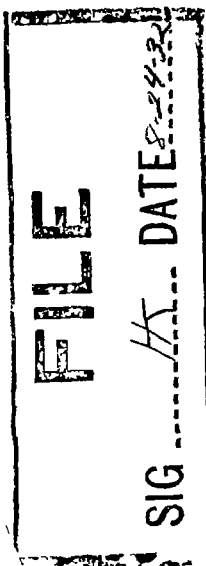
By order of the Secretary of War:

Adjutant General.

1 Incl.
Memo. of Inf.

Copy to: Chief Signal Officer. ✓
The Asst. Chief of Staff,
G-2.

CHIEF SIGNAL OFFICER
11-13-32 10-15-32
G-2



IN REPLY
REFER TOWAR DEPARTMENT
^{aln}
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

August 15, 1932

MEMORANDUM TO: Executive Officer, THROUGH O.I.C., War Plans & Training Div.

1. In compliance with orders contained in letter dated August 12, 1932, with regard to my appointment as a technical adviser to the American Delegation to the Madrid Conference, I report that I leave Washington with the Delegation at 1:00 P.M. on August 16, 1932 for New York and sail at noon, August 17, on SS President Roosevelt. Upon arrival at Havre on August 25, I entrain immediately for Madrid, via Paris, arriving at Madrid on August 27.

2. My address while on this special duty, will be:

c/o Delegation of the United States to the
International Radiotelegraph Conference,
Madrid, Spain.

3. My personal mail and salary checks will be called for by Mrs. Friedman.

4. Arrangements have been made with Major Akin for secret or confidential cable communication in case of necessity. Messages to and from official personnel participating at the Conference will be accorded full franking privileges for the duration of the Conference, and should bear the prefix "DH-Conference".

5. The date of my return to this office cannot be stated with any degree of certainty in view of the fact that the duration of the Conference cannot be foreseen accurately at this moment. However, this office will be advised as soon as definite information on this matter becomes available.

6. Sufficient work has been outlined to keep my staff fully occupied during my absence. The instruction of the two regular officers will also proceed without interruption.

W. F. Friedman
William F. Friedman

F. J. [unclear] *ran*

OCSO-201-Friedman, William Frederick (8-12-32)Res. 2nd Ind.
War Department, OCSigO., August 19, 1932 - To: The Adjutant General.

1. Noted.

For the Acting Chief Signal Officer:

J. H. Van Horn,
Lieut. Colonel, Signal Corps.

FILE

SIG DATE 8-19-32

BA
S

IN REPLY REFER TO
OCSigO 201-Friedman, W F
WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

August 12, 1932

Subject Report of travel abroad.

To The Adjutant General, thru channels

1. In compliance with paragraph 80, AR 120-5, I report that on August 17, 1932, I leave the continental limits of the United States for temporary civilian duty abroad for a period of approximately two months.

2. During this absence my address will be

c/o The Delegation of the United States to
the International Radiotelegraph Conference,
Madrid, Spain

William F. Friedman
William F. Friedman,
Major, Signal Reserve.



201-Friedman, William Frederick
78 (8-12-32)

1st Ind

5

HQ THIRD CORPS AREA, Baltimore, Md, August 15, 1932. Through The Chief Signal Officer, to The Adjutant General.

113

IN REPLY
REFER TO

OCSigO 336 6 Madrid, Spain, 1932

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

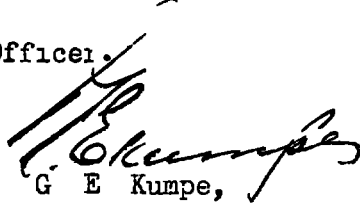
August 11, 1932

MEMORANDUM FOR The Administrative Assistant, War Department.

1. The Secretary of State has designated Mr William F. Friedman, a civilian employee of the Signal Service at Large, as a technical adviser to the Delegation of the United States to the International Radiotelegraph Conference to be held at Madrid, Spain, beginning September 3, 1932, all expenses incident to travel to be borne by the Department of State It is requested that authority be granted to permit Mr Friedman to serve as technical adviser on the foregoing basis

2. Attached hereto is a copy of a letter (A G. 334.8 (1-29-31)), from the Secretary of War, dated February 18, 1931, addressed to the Secretary of State, in which Mr. Friedman was recommended, among others, as a technical adviser to the Delegation to the above-mentioned Conference, also a copy of a letter (A G 334.8 Int. Rad. Conf. (8-5-32)), from the Department of State, dated August 5, 1932, addressed to the Secretary of War, transmitting the certificate of designation.

For the Chief Signal Officer.


G E Kumpe,
Colonel, Signal Corps,
Executive.

Attached.

Copy of letters of reference.



CROSS REFERENCE SHEET

Date of
correspondence
August 11, 1932.

FILE UNDER:

✓ X 201 - FRIEDMAN, WM. F.

SYNOPSIS:

Memo to the Adm. Asst. requesting authority be granted to permit Mr. Friedman to serve as technical adviser ~~of~~ to the Delegation of the U. S. to the International Radiotelegraph Conference to be held at Madrid, Spain, beginning September 3, 1932.

PAPERS FILED UNDER:

336.6 - Madrid, Spain.(1932.)

Public Voucher for Reimbursement of Travel and Other Expenses
Including Per Diem

Voucher No. _____
No. _____

REF ID: A66329

Return to → SIGNAL CORPS.

GENERAL ACCOUNTING OFFICE
PREAUDIT
Certified for payment in the
sum of \$ _____
J. R. McCARL,
Comptroller General of
the United States.
By _____

U. S. War Department
(Department, Bureau, or Establishment)
Appropriation: 31 1005 P 33-0630 & 211-2
Army Transportation, 1932 - "D"
THE UNITED STATES, D.
To: William F. Friedman, Cryptanalyst, S.E.L.
Office, Chief Signal Officer
(Payee)
Washington, D.C. (Address) Domicile

PAID BY _____
(For use of Paying Office)

Official Headquarters _____ Residence _____
(For use of the Postal Service only)

FOR REIMBURSEMENT of travel and other expenses incurred in the discharge of official duty
from March 21, 19 32, to March 24, 19 32
as per itemized statement within, under authority No. 303180, dated March 18, 1932, \$ _____

AMOUNT		NOTATIONS (Payee must not use this column)
Dollars	Cents	
19	95	

(Additional statements by Department, Bureau, or Establishment, if deemed necessary)	(ACCOUNTING CLASSIFICATION)	(Payee will NOT use this space)
		Differences _____
		Account verified; correct for \$ _____
		(Signature or initials) _____

MEMORANDUM

Army Finance Office, Washington, D. C.
Date 3/31/32, Paid on Vou. No. 9139
Money Acct. of J. B. HARPER, Major

20
MAR 22 - 11 9 02
RECEIVED OFFICE

Paid by { Check No. _____, dated _____, 19 _____, for \$ _____ (on Treasurer of the United States in favor of payee named above)
Cash, \$ _____, on _____

FILE

MEMORANDUM—DO NOT SIGN

SIG. Rmk DATE 4/2/32

ITEMIZED SCHEDULE OF TRAVEL AND OTHER EXPENSES

1 Give duty status on first day of voucher period

* Arrived at _____ on _____
 for temporary duty for approximate period _____
 - Approximate date of return to official headquarters _____, 19__

2 State authorized allowance for per diem in lieu of subsistence \$ _____ †

3 State authorized allowance for actual subsistence expenses Not to exceed \$ _____ † per day

* If authority provides for travel to more than one point, time of arrival and departure from each should be stated in the body of the account in chronological order
 † If more than one rate of allowance is authorized full statement of application of each rate must be given in some convenient place on this voucher

DATE	CHARACTER OF EXPENDITURE (To be itemized by the day and fully explained)	SUB VOU NO	AMOUNT		NOTATIONS (Payee must not use this column)
			SUBSISTENCE	OTHER	
9 32					
Feb 21	Left Washington, D.C. 8:15 A.M. ✓				
	Arrived Little Silver, N.J. 1:16 p.m. (Sta. Ft. Monmouth) ✓				
24	Left Little Silver, N.J. 1:56 p.m. ✓				
	Arrived Washington, D.C. 8:05 p.m. ✓				
	3 1/2 days @ \$5.00 p.d.		18 75 ✓		
21	Taxi R.R. station from home.				60 ✓
24	Taxi to residence from station.				60 ✓
<p>The supplies and services to be obtained by this instrument are authorized by are for the purpose set forth in, and are chargeable to Procurement Authority 2M 1608 P 53-0630 A 211-2, the available balance of which is sufficient to cover cost of same.</p>					

TOTALS (to be carried forward to Continuation Sheet, if necessary)

TOTAL AMOUNT OF VOUCHER (not to be used when totals are carried forward to Continuation Sheet)

19 95 ✓

IN REPLY REFER TO
201-Friedman, Wm. F.

WAR DEPARTMENT
^{AID}
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

December 14, 1931

Subject: Assignment, Classification and
Promotion in Signal Corps Reserve.

To: The Chief Signal Officer.

Receipt is hereby acknowledged of letter from your
office, dated November 27, on the above subject.

OFFICE
CHIEF SIGNAL OFFICER

1931 DEC -14- PM 3:13

William F. Friedman
William F. Friedman,
Major, Signal Reserve.

FILE
DEC 15 1931
SIG/... DATE

OCSO-201-Friedman, Wm. Frederick
 Pers.Div. (11-27-31)Res.

November 27, 1931.

Assignment, Classification and
 Promotion in Signal Corps Reserve.

Major William F. Friedman, Sig-Res.,
 5932 Military Road,
 Washington, D. C.
THRU: The Commanding General, Third Corps Area,
 Baltimore, Maryland.

1. Under the 1928 Signal Corps General Mobilization Plan set up for the Branch Overhead (Arm and Service Assignment Group - formerly the Branch Assignment Group) you have been assigned to the Signal Intelligence Division, Office of the Chief Signal Officer, for duty, in time of national emergency, under the Chief Signal Officer.

2. Paragraph 3, Army Regulations 140-38, dated May 20, 1931, copy inclosed, calls for the classification of Signal Corps Reserve Officers. In view thereof and in keeping with your present assignment you have been placed in the following classification:

CRYPTOGRAPHY

3. There is also inclosed a copy of Army Regulations 140-5, dated April 16, 1931, which, together with Army Regulations 140-38, became effective July 1, 1931. These regulations should be carefully studied and kept for future reference as all matters pertaining to the Signal Corps Reserve will be governed thereby.

4. Attention is particularly invited to so much of paragraph 32 a (1), Army Regulations 140-5, which states that the 300 hours credit earned by a Reserve officer as the requirement for promotion under the provisions thereof must have been obtained during the five years immediately preceding the date of recommendation and prior to October 1, 1930. The records of this office show that you have earned 505 hours credit as follows:

ACTIVE DUTY TRAINING

December 8, 1926 to December 22, 1926, incl. (15 das.).....	105 hours
December 6, 1927 to December 19, 1927, incl. (14 das.).....	100 "
December 5, 1928 to December 18, 1928, incl. (14 das.).....	100 "
December 2, 1929 to December 15, 1929, incl. (14 das.).....	100 "
September 14, 1930 to September 27, 1930, incl. (14 das.).....	<u>100</u> "

Total..... 505 hours

FILE

SIG/K... DATE 11/27/31

OCSO-201-Friedman, William Frederick (11-27-31)Res.

From a study of the dates above it can be readily determined the date your professional eligibility for promotion, based upon credit hours, will terminate under paragraph 32 a (1), Army Regulations 140-5.

5. The records of this office show that you have met the requirements of paragraphs 32 a (1), and 32 a (4), Army Regulations 140-5. You will not meet the requirements of paragraph 32 a (3), Army Regulations 140-5, until December 6, 1931. There is no appropriate vacancy, paragraph 32 a (2), Army Regulations 140-5, in the Arm and Service Assignment Group, under the 1928 Signal Corps General Mobilization Plan, in the grade of Lieutenant Colonel, Signal Corps Reserve. It is not known when a vacancy will occur. When a vacancy occurs, however, you will be considered, if eligible at that time, along with other qualified officers, for promotion thereto.

6. With a view to you always being carried on the list of eligibles for promotion, should you not have been promoted by the time your eligibility therefor, based upon 300 hours credit, has terminated, it is suggested that you take the necessary steps to obtain a Certificate of Capacity for the grade of Lieutenant Colonel, Signal Corps Reserve. In this connection attention is invited to paragraphs 34 to 42, inclusive, Army Regulations 140-5.

7. This office will be glad to furnish any further information which you may desire relative to the foregoing.

8. The address used above is carried on War Department records as your permanent address and any change therein should be promptly reported to The Adjutant General, through the Commanding General, Third Corps Area, Baltimore, Maryland.

9. It is requested that receipt of this communication be acknowledged to this office direct. A franked envelope which requires no postage is inclosed for the purpose.

By order of the Chief Signal Officer:

Robert Robinson,
Captain, Signal Corps.

3 Incls.
Cy AR 140-5
Cy AR 140-58
Franked Envelope

Public ~~Check~~ *Signal Officer* for Reimbursement of Travel and Other Expenses
Including Per Diem

Voucher No. _____
No. _____

GENERAL ACCOUNTING OFFICE
PREAUDIT
Certified for payment in the
sum of \$ *14.20*
Ret. V.R. McCARL
Comptroller General of
the United States.

U. S. *War Department*
Appropriation: *W 1698-55-0630, 21-2, 14.20*
ARMY TRANSPORTATION 1932 RAIL *D*
THE UNITED STATES, D. *Friedman*
To: *Office of the Chief Signal Officer*
(Address)

PAID BY

(For use of Paying Office)

Official Headquarters _____ Domicile _____ Residence _____
(For use of the Postal Service only)

FOR REIMBURSEMENT of travel and other expenses incurred in the discharge of official duty
from *Oct. 30*, 19*31*, to *Oct. 31*, 19*31*
as per itemized statement within, under authority No. *SSO*, dated *Oct. 18, 1931*, \$ *14.20*

AMOUNT	NOTATIONS	
	Dollars	Cents
<i>14</i>	<i>20</i>	(Payee must not use this column)

(Additional statements by Department, Bureau, or Establishment, if deemed necessary)

(ACCOUNTING CLASSIFICATION)

(Payee will NOT use this space)
Differences _____
Account verified; correct for _____ \$ _____
(Signature or initials) _____

PAID

1931 NOV-24 AM 9:09
OFFICE
CHIEF SIGNAL OFFICER

COP

MEMORANDUM

Army Finance Office, Washington, D. C.
Date *11/17/31*, Paid on Vou. No. *4989*
Money Acct. of J. B. HARPER, *Mr.*

FILE *11*
SIG. *[Signature]* DATE *30*

Paid by | Check No. _____, dated _____, 19____, for \$ _____ (on Treasurer of the United States in favor of payee named above)
Cash, \$ _____, on _____, 19____

ITEMIZED SCHEDULE OF TRAVEL AND OTHER EXPENSES

1 Give duty status on first day of voucher period

* Arrived at _____ on _____, 19____
 for temporary duty for approximate period _____
 Approximate date of return to official headquarters _____, 19____

2 State authorized allowance for per diem in lieu of subsistence \$ _____ †

3 State authorized allowance for actual subsistence expenses Not to exceed \$ _____ † per day

* If authority provides for travel to more than one point time of arrival and departure from each should be stated in the body of the account in chronological order

† If more than one rate of allowance is authorized full statement of application of each rate must be given in some convenient place on this voucher

DATE 19 31	CHARACTER OF EXPENDITURE (To be itemized by the day and fully explained)	SUB YOU NO	AMOUNT		NOTATIONS (Payee must not use this column)
			SUBSISTENCE	OTHER	
Oct 30	Left Washington, D.C. 2:02 A.M. ✓ Arrived Red Bank, N. J. 10:38 A.M. ✓ Left Red Bank, N.J. 10:40 A.M. (by bus) Arrived Little Silver (Fort Monmouth) 11:00 A.M.				
31	Left Little Silver (by bus) 1:00 P.M. Arrived Long Branch, N.J. 1:20 P.M. Left Long Branch, N.J. 1:45 P.M. ✓ Arrived Washington, D.C. 7:45 p.m. ✓ 2 days @ \$6.00 per diem		12 00 ✓		
30	Taxi from home to R. R. station ✓ Station porter (1 piece baggage) ✓ Pullman porter ✓ Bus fare (Red Bank to Little Silver) ✓			60 ✓ 15 ✓ 25 ✓ 10 ✓	
31	Bus fare (Little Silver to Long Branch) ✓ Pullman porter ✓ Station porter ✓ Taxi R. R. station to home ✓			10 ✓ 25 ✓ 15 ✓ 60 ✓	

COPY

TOTALS (to be carried forward to Continuation Sheet, if necessary)

TOTAL AMOUNT OF VOUCHER (not to be used when totals are carried forward to Continuation Sheet)

14 20 ✓

NOV 20 1931

The Honorable,
The Secretary of State.

201

Dear Mr. Secretary:

Reference is made to your letter of October 29, 1931, with regard to assistance to be rendered by Mr. W. F. Friedman, cryptanalyst in the Office of the Chief Signal Officer, in your investigation of the cipher machine submitted for your consideration by the International Telephone and Telegraph Company.

The Department is pleased to forward herewith the report rendered by Mr. Friedman as a result of his investigation of the degree of cryptographic security afforded by this machine.

Should any further assistance or advice in this connection be necessary or desirable, this Department will be very glad to cooperate with your Department in whatever manner possible.

Sincerely yours,

(Signed) F. H. PAYNE,

Acting Secretary of War

1 Incl.

Copy for the Chief Signal Officer.

MAILED

NOV 21 1931

CIVILIAN PERSONNEL DIV.



NOV 20 9:11 AM '31

CHIEF SIGNAL OFFICER

File Done

OCSO 201 Friedman, Wm.F.
(10-29-31)

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

November 17, 1931.

MEMORANDUM for the Administrative Assistant,
War Department.

1. Attached is Mr. Friedman's report on his investigation, for the Department of State, of the cipher machine submitted for their consideration by the International Telephone and Telegraph Company. Draft of letter of transmittal for the signature of the Secretary of War is also inclosed.

For the Chief Signal Officer.

G. E. Kumppe,
Colonel, Signal Corps.
Executive.

1 Incl.
Draft let. trans. report

X 311.5 - Gen

~~SUSPENSE~~
DATE Nov. 23 1931 PMO

W.P.& T.DIV.

REF ID:A66329

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

November 16, 1931

MEMORANDUM TO: Executive Officer.

Attached hereto is Mr. Friedman's report on his investigation, for the Department of State, of the cipher machine submitted for their consideration by the International Telephone and Telegraph Company. It is recommended that this report be forwarded to the Department of State, and that the following be used as a basis for a letter of transmittal to be signed by the Secretary of War:

Reference is made to your letter of October 29, 1931, and this Department's reply of November 9, 1931, with regard to the assistance to be rendered by Mr. G. F. Friedman, Cryptanalyst in the Office of the Chief Signal Officer, in your investigation of the cipher machine submitted for your consideration by the International Telephone and Telegraph Company. The Department is pleased to forward herewith the report rendered by Mr. Friedman as a result of his investigation of the degree of cryptographic security afforded by this machine.

Should any further assistance or advice in this connection be necessary or desirable, this Department will be very glad to cooperate with your Department in whatever manner possible.

D. H. Crawford,
Major, Signal Corps.

Attached;
Report

Report on Investigation for the Department of State
of the cipher machine submitted for their consideration by the
International Telephone and Telegraph Company.

1. Pursuant to authority contained in the 2d Indorsement, dated November 4, 1931, to a letter dated October 29, 1931, from the Department of State to the Secretary of War, a study was initiated to determine only the degree of cryptographic security afforded by the above-mentioned cipher machine.

2. A theoretical method of solving cryptograms produced by this machine, without possession of either the machine or a knowledge of the particular key settings employed in their production was quickly established.

3. Two sets of cryptograms were requested for test, as set forth in the attached Exhibit 1. The messages were delivered to this office under sealed cover and were received at the times indicated on the photostatic copies, Exhibits 2 to 9, inclusive.

4. As regards the first set of messages, the only information given by the State Department was that each message had been enciphered by a different 10-letter keyword. Attached hereto, labeled Exhibits 10 to 13, inclusive, are the solutions to Messages 1, 6, 7, and 8, of the set of 12 messages furnished as Set A. There seemed to be no point in solving all the messages of this set, it being deemed satisfactory to demonstrate, by solving any four of them, the possibility of solving any messages of this category, all with independent initial key settings. It may be stated that, with practice, any message of this type may be solved within an hour or less.

5. As regards the second set of messages, Set B, the only information given by the State Department was that these four messages were the 3rd, 4th, 5th and 6th of a series enciphered from an initial setting known only to them. Attached hereto, labeled Exhibits 14 to 17, inclusive, are the solutions to all four messages thus furnished. It may be stated, as regards this method of employing the machine, that if a series of 10 or more messages is available, the determination of the proper initial setting for the series can be reached within 24 hours, possibly only 12 hours. From that point on, however, all messages can be deciphered as rapidly as the legitimate correspondents can decipher them, providing a duplicate machine is available. If no duplicate machine is at hand, then the question of quick translation becomes one merely of available clerical personnel.

William F. Friedman,
Cryptanalyst,
Chief of Signal Intelligence Section.

Attached:
Exhibits 1 to 17, inclusive.

P
Y
WAR DEPARTMENT
aln

311.5 Codes & Ciphers.

OFFICE OF THE CHIEF SIGNAL OFFICER

WASHINGTON

November 11, 1931

Mr. David A. Salmon,
Chief of Communication & Records Division,
Department of State,
Washington, D. C.

Dear Sir:

With reference to the tests to be made of the cryptographic security afforded by the cipher apparatus recently installed in your office for demonstration purposes by the International Telephone & Telegraph Corporation, it is requested that the following cipher messages be furnished:

- a. One set of 15 independent messages each enciphered by means of a different 10-letter key-word, the latter being known only to your office.
- b. One set of 10 consecutive messages, the absolute position of these messages in a long series of messages enciphered consecutively from an initial keyword being known only to your office. This test is intended to simulate intercept conditions that would obtain if the machine should be employed in accordance with the present International Telephone & Telegraph method of starting with a selected or predetermined initial key-word and not resetting the wheels for consecutive messages. This condition assumes that the interceptor would not have started his interception with the very first messages enciphered, and would therefore not know how far the messages he is trying to solve are from the initial keysetting. To produce the 10 consecutive messages desired for test, it is suggested that, beginning with a keysetting known only to your office, you encipher a series of X messages (X being any number greater than 10) and furnish this office with any 10 consecutive messages of this series. These 10 messages should merely be numbered consecutively 1, 2, 3 ..., in the relative order of their encipherment.

All test messages should be deciphered by your office, to preclude the possibility of errors, before being forwarded to this office.

EXHIBIT 1

- 2 -

It is requested that special care be taken to see that the messages belonging to each of the two foregoing sets be properly labeled for our prompt identification.

When the test messages are ready, they should be sent in a double envelope, the outer addressed to The Chief Signal Officer, the inner to the War Plans and Training Division, attention of Mr. W. F. Friedman.

In case additional messages are desired, you will be advised promptly.

For the Chief Signal Officer:

G. E. Kumpe,
Colonel, Signal Corps,
Executive.

RIGA

DATED NOVEMBER 6, 1931

RECEIVED 12:40 P.M.

Started work

SECRETARY OF STATE,

WASHINGTON.

ACTIVITIES
MCA - WHILE

70HFU 7AAF2 | VQS5M 5MQDO | QNFJB SVZQV | YZR7R STJ05 |
 TDWU2 XPVTA | PP16D OKXN4 | ANDKS JOBSR | N6YSD 7C34G | AZ5FW
 C5KHI | DM7LC JMHHG | XNWZI IQZSV | QLIWL 6L7LI | PNBVK 7BT6V |
 WHFV7 QJGOB | 4KXWQ 137YF | 4CZSV YDQQD | GRPRS 1RTSQ | IB5C6
 OYF4W | 2YSUN 7JQFI | IEEOB 5NZR3 | K2L7U 42VZO | Z7DGR KEMND |
 4RYNW N7RU2 | GL4R6 QJRBN | DPNXF RPKZU | SPTAV EB2V4 | A7ZAS
 2NG03 | XZ7VA TIGH4 | RQOF5 3S00J | F5QXN QD5L7 | 3MCFM RREBP |
 2YF63 7YLFV | ZZIHV AEGVC | SZZ3U F6T4U | GDU7A OE4IZ | HVK5H
 XVPZM | FJSKY 3UMXN | 3WC5L 11SU7 | N6C30 WPL46 | WT5A3 Q6HJ1 |
 3HKA E WN3BR | YWMS6 PYHKX | CYGPU CVNJD | VNQKU CHHS2 | JHN6X
 SHUZU | 4WL7K S2MAJ | FW7DP 7JSJ6 | B5YUR XFBGG | SFUOA OXHCS |
 XGZIQ JF4ZO | NWH3X TVDIJ | TV650 Q5NMO | UYHOF ZYKZH | RZSYS
 JTGTN | UMYDN 14GTB | HBUR4 V7EHY | 2KK5T AAOFD | MFRFL C6KL7 |
 M1634 4M76A | BHOAT X2G44 | 4NE3U 46W7K | ZV2D3 G63ND | VJ0ZZ
 12TGI | RPOV7 L6HWD | 4WIKZ D6WNG | 3VJ6P NZLMK | OZDRA 3BZNR |
 ALKPH 652S3 | N3WBM K6B4E | UD4EC U6VER | CZB7R TCGEE | OJ22U
 E7221 | G6ERA F6SN2 | O3BVZ N6JSP | LSFQV KYXBJ | O44BW LUEHT |
 XRYR4 WN50C | BB345 BAVVQ | VNIXO 3L60P | XZRUI 3XZJA | LS77H
 HXAYK | TIF55 N7DVA | JZRGW

#6
Set A

NOVEMBER 5, 1931
6PM.

AMLEGATION

MONTEVIDEO (URUGUAY)

23T4U ULIF3 4EQ3F 7QGHU XB5BP GBKYV PWNPX BS3IU Y2XTS
JG33H ABALG HKTW2

Received
STIMSON.

Rec'd just 2

*#7
Set A*

TELEGRAM SENT

Sol
NOV
NOVEMBER 5, 1931
- TH 4:00
6PM.

AMERICAN CONSUL
TOKYO (JAPAN)

7DFK5 CAFAR RDVG6 ZLY5G AGGDO AH6YF GGRAR VSODW FB7GE
2MZP5 EDBTT V6CAH OXON3 L33UN NVQDN BQMOE FFPWU ROP57
BAWYM JYNTF PIELR PXS7D QSGFJ UQPZV 3Q3UM LWOUN YO2OP
X21A7 3CJQP BF3U4 LB2JW 5WYMB FG1S3 LVXCN MTQWO 175

STIMSON.

*Key
JOURNALMENT*

175 - 1.03

NOVEMBER 5, 1931

Sat A

5PM.

Check work

TO ALL AMERICAN DIPLOMATIC AND CONSULAR OFFICES.

ALUTP Q3ZUW 7WOHZ WUQG6 AP7Y5 YBJEJ 2UP3L T7RVM
J2SYF GOFXF ALEJO PVDVF 6JNVH C24PO 5EDK4 DKHHS
V5GNK SUUUQ CWNSJ 22VVU YAJMX VFQEK R24VI SZCUZ;
YKADF NOESU QOJZV LID5J 6FWJC U7ADH HIXPP LT7ES
XM7ZH WC

STIMSON.

OFFICER

Received

12 NOV - 11 - PM 1:00

*ALUTP Q3ZUW
J2SYF GOFXF
V5GNK SUUUQ
YKADF NOESU
XM7ZH WC*

*Message completed
NOV - 11 10:10*

Recd. out # 2

#3

Set B

UNIT
CITE. 1001 0 10LP

1931 NOV - 12 - 1. 3:50 OCTOBER 30, 1931

7 P.M.

AMEMBASSY, SANTIAGO,
CHILE.

M51JW 3PATC DDXVI QLT5Q EFILW DORQP ZOYUZ 6KFIZ UYCS5
 ONE. . . CON TINGE NT EX PRNSE A O TMENT INCR RAESD
 095WR JXBU5 D2M25 36KPB LFJGI 3QBRE JGSYX 2HYAF YLBWU
 PREP IDE F RE PAIRY REC O MMEND YL YB
 P62DX 066DH Z3EZA WAD3C PVEDC NRHPQ RTABS UJTZU DQHDS
 UR DE SPATE H. T WO . . . YOUR IDESP ATCH. . 952.
 27J0Q MRLHC NMMJQ IXTIU ADJSJ J2XP6 DLJBY LQVTX VYQ05
 ANSW ERED. BY. MA IL IN STRUC TION. OCTOB ER 6. 1931

STIMSON.

1931 NOV 12 1931

Recd. 11/12/31

Set 13

OCTOBER 30, 1931
7 P.M.

10:11
10:11
10:11

AMLEGATION,
ASUNCION, PARAGUAY.

243DQ	MUCL1	SQ6A5	DO1VN	56T3Q	Y4JUK	50IG2	6X212	LFBMK
EMBASSY	AT	DE	JANEIRO	REPO	RTS	T	HAT	V ASCON
LEFGO	TJ2VY	7DGUW	L5HFA	2A3FU	6HKFM	ORTAV	QJPBC	K6VXE
CE-LO	OW	BOU	BAR	ST-IM	BRISB	UTHER	N-AR	SE-WH
35Y2U	EJYC3	SM3SB	V4VTW	IDEIQ	5XVIY	62N44	QNDBL	54BTG
ICH	LECT	T	HAT	P	ORT	O	N	OLT OBER. '29
Q4JZD	OU63							FOR N EW-YO

STIMSON.

OFFICER

151 NOV -14-78-12-32
 Message Baggage, EMBASSY AT PARIS
 Settings of 5+6 } not yet definitely fixed
 2+4 }

IBERGEN

DATED OCTOBER 30, 1931

RECEIVED 6.29 P.M.

SECRETARY OF STATE,
WASHINGTON.

YZZDP NM6K7 HLPTZ NNW7Y P5ERT DX7NP VDOUS ZAUAD MEGXA
 XDVLE UJG5A PTMSR BYADD MYZUA DNATM LWZTA YH3VC TSJFP
 ZCLSK BMNDC LX3HH OSENN FM6A4 U7ACO RKKJL JJUNY BGSYU
 NL3SP OWB6

*Message in plaintext
10V-1-0:00*

SMITH.

Rec'd # 2

Set 15 (6)

2. M. " 721 AMERICAN

PERNAMBUCO

DATED OCTOBER 31, 1931

RECEIVED 7:34 A.M.

SECRETARY OF STATE,
WASHINGTON.

RF5TN NXZA7 GDGJU SZY5B C5H2X 2JIC3 2W7HA 717H7 QPHOR
46DL2 ABFVJ W47PT W7G6A Q41DU PEEKK CA

Vertical handwritten mark

VAN DEN AREND.

at 1 ' - ' L

MESSAGE NO. 1 of 8RT A

RIGA

DATED NOVEMBER 6, 1931.

RECEIVED 12:40 P. .

SECRETARY OF STATE,

WASHINGTON.

WHILE NO FIGURES ON THE SIZE OF RUSSIA'S THIS YEAR GRAIN
CROP HAVE YET BEEN RELEASED, OFFICIAL SPEAKERS CITED IN PRAVDA
OF NOV 2ND AND 3RD ANNOUNCED THAT THERE HAS BEEN A SERIOUS
DROUGHT ...

COLE

(Solving time: 40 minutes to get first word "WHILE".)

MESSAGE NO. 6 of SET A

NOVEMBER 5, 1931.

6 P.M.

AMLEGATION

MONTEVIDEO (URUGUAY)

ARE FLOOR DRAINS IN BATH AND TOILET LOCAL REQUIREMENT?

STIMSON

(Solving time: 30 minutes)

MESSAGE NO. 7 of SET A

NOVEMBER 5, 1931.

6 PM.

AMERICAN CONSUL,
TOKYO (JAPAN)

INSTALLATION OF GRILL AUTHORIZED IF PLACED ON NORTHEAST WALL IN
JAMB OF ARCH LEADING TO STAIRWAY FROM THE NORTHERLY CORNER OF LOBBY
NO. 17, GRILL TO SWING INTO LOBBY.

STIMSON

(Solving time: Approximately 1 hour for complete reading.)

MESSAGE NO. 8 OF SET A

NOVEMBER 5, 1931

5 P.M.

TO ALL AMERICAN DIPLOMATIC AND CONSULAR OFFICES:

PRESIDENTS PROCLAMATION NOVEMBER SECOND DIRECTS DISPLAY

UNITED STATES FLAG ALL GOVERNMENT BUILDINGS ARMISTICE DAY NOVEMBER

ELEVENTH. TAKE ACTION ACCORDINGLY.

STINSON

(Solving time: First word in 38 minutes; for complete reading 1 hour and 20 minutes.)

w/ecc

War Dept , Office of the Secretary, Oct 31, 1931 - To the Chief Signal Officer
For recommendation

OCSigO 201-Friedman, Wm. F. 2d Ind.
(10/29/31)

WD, OCSigO, Washington, D. C., November 2, 1931 - To The Adjutant General.

It is recommended that this office be authorized to permit Mr. Friedman to render such advice and assistance to the Division of Communications and Records of the Department of State in examining the cipher writing machine as is practicable, and consistent with the proper execution of his regular duties in this office.

For the Chief Signal Officer:

G. E. Kump,
Colonel, Signal Corps,
Executive.

REF ID:A66329

EXHIBIT 14.

MESSAGE NO. 3 of SET B

OCTOBER 30, 1931

7 P.M.

AMBASSY,

SANTIAGO, CHILE

ONE. CONTINGENT EXPENSE ALLOTMENT INCREASED \$305 TO PROVIDE
FOR REPAIRS RECOMMENDED YOUR DESPATCH 974. TWO. YOUR DESPATCH
952 ANSWERED BY MAIL INSTRUCTION OCTOBER 6.

STIMSON

MESSAGE NO. 4 of SET B

OCTOBER 30, 1931

7 P.M.

AMLEGATION,

ASUNCION, PARAGUAY

EMBASSY AT RIO DE JANEIRO REPORTS THAT VASCONCELLOS WAS ON BOARD

STEAMER SOUTHERN CROSS WHICH LEFT THAT PORT ON OCTOBER 29 FOR NEW YORK.

STIMSON

MESSAGE NO. 5 of SET B

BERGEN

DATED OCTOBER 30, 1931.

RECEIVED 6:29 P.M.

SECRETARY OF STATE,

WASHINGTON.

NAVTOVA* MARSTEINEN* LIGHTHOUSE AND BACK TO BERGEN TODAY.

WEATHER DID NOT PERMIT TRANSFER OF MEN IN ROV BOAT BETWEEN TUGBOAT

AND SUBMARINE.

SMITH

* These names are not certain.

MESSAGE NO. 6 OF SET B

PERNAMBUCO

DATED OCTOBER 31, 1931

RECEIVED 7:34 A.M.

SECRETARY OF STATE,
WASHINGTON.

ALL AMERICAN RESIDENTS AND KNOWN TRANSIENTS IN PERNAMBUCO

SAFE AND WELL.

VAN DEN AREND

SO1.-Friedman, William F. 1st Ind. km1
War Department, OCSigO, Washington, November 10, 1931. - To the Finance Officer,
U. S. Army, Washington, D. C.

Recommending settlement.

For the Chief Signal Officer:

G. E. Kump
Colonel, Signal Corps,
Executive.

Del to J. H. Mason + rec'd Dec. 30 + 31

<i>2 Ind. 5</i>	<i>1200</i>
<i>Eng. 100</i>	<i>220</i>
	<hr/>
	<i>1420</i>

RECEIVED
 NOV 11 1931
 SIG. Kump - D. TE 10

Handwritten mark

- (1) William F. Friedman
- (2) Signal Service at Large, Washington, D. C.
- (3) Principal Cryptanalyst
- (4) \$5600
- (5) \$6000
- (6) None
- (7) Mr. Friedman has demonstrated exceptional ability as a cryptanalyst, not only in executing the technical details of the work involved, but also in administration, research and instruction along these lines. He is, without doubt, the leading authority on codes and ciphers in this country. He is often consulted by other governmental agencies and renders valuable assistance to them in the solution of their problems connected with secret communication in general. In 1929 responsibility for the solution of enemy codes and ciphers and the preparation and detection of secret inks was transferred from the Military Intelligence Division, General Staff, to the Signal Corps. Until this time, the Signal Corps had responsibility only for the compilation of codes and ciphers for the use of the Army, and for intercept and radio goniometric work in war time. Mr. Friedman has been in charge of these activities since 1921. The newly transferred responsibilities connected with solution of enemy codes and ciphers, and the preparation and detection of secret inks necessitated the organization of a new service termed the Signal Intelligence Service of the Signal Corps. Mr. Friedman was placed in charge of the Signal Intelligence Section of the Office of the Chief Signal Officer, under the Officer in Charge of the War Plans and Training Division. Mr. Friedman has been largely responsible for organizing the work of the new section, has prepared both residence and correspondence courses of instruction for cryptanalysts, and, in addition, has conducted all the regular work of the section in compilation and solution of codes and ciphers. He has demonstrated his fitness to carry the additional large responsibilities entailed by the transfer of code and cipher activities of the Military Intelligence Division as noted above. Since his original appointment in 1921, carrying compensation at the rate of \$4800 per year, the two increases in compensation he has received were the result of automatic adjustments in salary scales occasioned by the Reclassification Act of 1924 (from \$4800 to \$5200) and the Welch Bill of 1928 (from \$5200 to \$5600). When the solution activities now under Mr. Friedman were conducted by the Military Intelligence Division, the salary of the Chief of the Code Section thereunder was \$7500 per year.

(8) To a large extent on his own responsibility.

(9) Supervises work of following:

3 Junior Cryptanalysts	@ \$2000
1 Cryptanalyst Aide	@ 1800
2 Assistant Cryptographic Clerks	@ 1620

Not favorably considered 230.C.B.(11-20-30) Case # 1.

- (10) Efficiency rating (May 15, 1930): 95, lineal number in salary range: 1
- (11) Cryptanalytic activities are not conducted outside the government service; Mr. Friedman is the only Principal Cryptanalyst in government service. His position is classified as P-6 in "Preliminary Class Specifications or Positions in the Field Service, 1930" (page 177). ||
- (12) From December 31, 1921 to date.
- (13) Same as under (12)
- (14) Last promotion; automatic, under Welch Act, May 28, 1928, from \$5200 to \$5600. //
- (15) Mr. Friedman graduated with the degree of B.S. from Cornell University in 1914 and continued thereat for two years as an instructor in the University and student in the Graduate School doing work for doctrate degree. In 1916 he joined the staff of the Riverbank Laboratories at Geneva, Illinois, becoming Director of the Genetics Department thereat. At this time he became interested in cryptography as an avocation and found such special aptitude for the work that the Director of the Laboratories, in view of the probable entrance of the United States in the World War, organized a Cipher Department, placing Mr. Friedman in charge, in addition to his other duties. From January 1917 to June 1918 he was director of this department of the above-mentioned Laboratories, which, as a war-time establishment operated for the benefit of the government during the war. From June 1918 to April 1919 he was First Lieutenant, M.I.D., U.S.A., in charge of code work in the G-2 section of GHQ-AEF. From April 1919 to December 1920 he was again director of the cipher department Riverbank Laboratories. From January 1920 to December 31, 1920 he was engaged as consultant in code work for the Office of the Chief Signal Officer, Washington, on a contractual basis. He entered the Civil Service on December 31, 1921 under the provisions of Section 10 of Rule II of the Civil Service Act. His practical experience in the cryptographic field within the past fifteen years has been more extensive than that of any other person in this country, and it may be said that his experience, ability, and success, in this type of work make him preeminently the leading authority on codes and ciphers in this country. As such he was commissioned in 1928 to prepare the article on this subject for the New Encyclopaedia Britannica.
- (16) With reference to this item, see copy of Memo dated January 4, 1930 to Major Coles, Fiscal Division, O.C.Sig.O. I understood that Research & Development Division would make provision for this increase to be included in estimates for FY 1932, since Mr. Friedman was then under the supervision of the Research & Development Division.

WAR DEPARTMENT

WASHINGTON

November 9, 1931

The Honorable

The Secretary of State.

Sir:

In response to your request of the 29th ultimo, the Department has approved the recommendation of the Chief Signal Officer that he be authorized to permit Mr. Friedman to render such service and assistance to the Division of Communications and Records of the Department of State in examining the cipher writing machine as is practicable and consistent with the proper execution of his regular duties in the Office of the Chief Signal Officer.

Very truly yours,

(Signed) John W. Martyn

Administrative Assistant.

Signal Corps, United States Army

Received at War Department Message Center,
Room 3441, Munitions Building,
Washington, D. C.

WESTERN UNION TELEGRAPH CO.

8-8811

WAE5 16=WE KEARNY NJ SEP 24 1040A

MAJOR WILLIAM F FRIEDMAN=

OFFICE OF CHIEF SIGNAL OFFICER WAR DEPARTMENT=

WILL YOU BE IN YOUR OFFICE SATURDAY IF SO I COULD ARRANGE
TO BE IN WASHINGTON=

WESTERN ELEC CO J M JURAN.

1051A

CROSS REFERENCE SHEETDate of
correspondence

7

FILE UNDER: ✓ X 201m- FRIEDMAN, W.F.
X 201 - GRAHAM, G.A.
X 070 - Gen.
X 072 - Gen.

August 22, 1931.

SYNOPSIS:

Ltr. to Ft. Mon. reference the development of a cipher machine by Mr. Friedman and Graham. Inclosing draft of specs. and claims applicable to the machine, to be used for a basis for application for a patent. Request remarks from Mr. Graham.

PAPERS FILED UNDER:

413.52 - Gen.

REF ID:A66329
WAR DEPARTMENT
THE ADJUTANT GENERAL'S OFFICE
WASHINGTON

IN REPLY
REFER TO

201
MAJ. WILLIAM FREDERICK FRIEDMAN,
SIG-RES O-166764-BA
3932 MILITARY ROAD, 12-7-25
WASHINGTON, D.C. 12-6-30

OCT. 21, 1930
DATE MAILED

RECEIVED
1930 OCT 22 PM 3 30

By direction of the President of the United States:

You are hereby informed that you have been by him reappointed in the Army of the United States, in the grade and section you now hold - indicated in the above address - for a period of five years beginning on the day following the one upon which your current appointment expires. The date of expiration of your current appointment is shown in the lower right-hand corner of the address above.

There is inclosed herewith an oath of office, which you are requested to execute and mail to the agency designated by the Corps Area Commander, on or before the day following the one upon which your current appointment expires. Upon receipt of the oath of office duly executed a commission evidencing your appointment will be sent to you.

The timely execution and mailing of the required oath of office as above indicated constitute an acceptance of this appointment. No other evidence of acceptance is required or desired.

You are further informed that unless this appointment is accepted in the manner and within the time above stated your status as an officer of the Army of the United States cannot be regarded as continuous, and that unless so accepted this appointment is to be regarded as withdrawn at the end of the day following the one upon which your current appointment expires.

By order of the Secretary of War:

Charles C. Smith

Adjutant General.

Inclosures: Form for oath of office.
Important Notice.

*Accepted receipt
November 4, 1930*

FILE	
SIG	DATE 11-11-30

CROSS REFERENCE SHEETDate of
correspondenceFILE UNDER:

X-201- Friedman, Wm. F.

11-21-30

SYNOPSIS:

Let. this office to AGO rel. to the designation of representatives from the War Department to assist in the preparation of the draft of proposals to be submitted by the United States at the Madrid Conference in 1932. Mr. William F. Friedman is recommended in connection with this designation, as an additional alternate from the War Department.

PAPERS FILED UNDER:

336.6 Madrid (1932)

WAR DEPARTMENT

Office of The Chief Signal Officer

Washington

October 20, 1930

Civilian Personnel

Signal Corps Civilian Personnel Board (THROUGH Executive Officer, Office of Chief Signal Officer).

1. Reference is made to a letter dated October 7, 1930, from the Chief Signal Officer, subject as above. The data called for under the above-mentioned letter are applicable to the civilian personnel of the Signal Intelligence Section of this division, since the employees of this section are carried on the rolls as field employees of the Signal Service at Large.

2. The specific recommendations set forth below under subparagraphs (a), (b), and (c) are submitted for the consideration of the board. Accompanying the recommendations of subparagraph (a) are completed questionnaires drawn up in accordance with the instructions contained in War Department memorandum of February 13, 1926, addressed to Chiefs of Bureaus having field services.

(a) Increases or decreases in compensation.

Specific Recommendations for Increases as below:

<u>Name</u>	<u>Recommended Annual Pay</u>	<u>Increase</u>
William L. Friedman	6000	\$400
Frank S. Rowlett	2200	200
Colonel Mullback	2200	200
Richard Sinsky	2200	200
John A. Hart	1920	120
Lawrence Clark	1740	120
Annie Louise Newkirk	1740	120

(b) No new positions are considered essential at this time.

(c) No positions can be eliminated without manifest injury to the activities under my jurisdiction.

3. The paragraphs which follow are in connection with the

recommendations contained in subparagraph (a) above, especially as regards the new personnel of the Signal Intelligence Section. Although the information given may have no direct bearing upon the subject at hand, viz., recommendations for promotions, it is presented in order to afford the Board some background for special consideration of the factors involved in their cases.

4. Until 1929, so far as code and cipher work is concerned, the Signal Corps was charged with the responsibility for only the preparation and revision of codes and ciphers for the use of the Army, and the production of cipher devices and machinery. Only a small amount of research in the solution of codes and ciphers was involved. From 1921 to 1929, these code compilation activities were conducted by a section consisting of two persons, viz., a cryptanalyst and a clerk. Under Change No. 1, Army Regulation 105-5, (May 10, 1929), responsibility for all work connected with codes and ciphers, including the solution of enemy codes and ciphers and the preparation and detection of secret inks, was transferred from the Military Intelligence Division, General Staff, to the Signal Corps. The Principal purpose of this transfer was to concentrate all work connected with codes and ciphers under one authority, so that a permanent, continuously operative organization for cryptographic work could be established during peace time, which, as a result of a proper organization and training, would be prepared for immediate and successful operation in war time. As a consequence of this transfer the organization of a Signal Intelligence Service was proposed, the headquarters section of which was to be maintained in the Office of the Chief Signal Officer as one section of the War Plans and Training Division. The interest that the Military Intelligence Division took in this proposal and the importance with which its prompt accomplishment was regarded by them may be gauged by the fact that they provided funds for the operation of the proposed Service for the remainder of the fiscal year 1929, viz., \$6666.66, and for the whole fiscal year 1930, viz., \$10,000.

5. The first step in the organization of the Signal Intelligence Service was the transfer of what has theretofore been the Code and Cipher Compilation Section, O.C.Sig.O., from the Research and Development Division, O.C.Sig.O., to the War Plans and Training Division, O.C.Sig.O., This involved only Mr. William F. Friedman and Mr. James J. Skelly; the latter was discharged soon thereafter, and his position abolished. The next step was to obtain additional personnel for the Signal Intelligence Service. This necessitated much careful study of organization, type of personnel required, the nature of the positions to be filled, restrictions of the Civil Service Act, etc. All of this had to be of the nature of pioneer work in an uncharted field, for there existed no equivalent organizations of this kind anywhere in the government service. Finally, a

carefully planned schedule of positions was drawn up to be used as a guide in obtaining the personnel desired. This schedule, attached hereto as Exhibit A, was submitted to and approved by the Chief Signal Officer. Funds made available by the Military Intelligence Division together with funds already available in the O.C.Sig. O. were sufficient to permit of the immediate creation of six new positions, viz., three Junior Cryptanalysts, one Cryptanalyst Aide, and two Assistant Cryptographic Clerks. Authority to establish these new positions and to fill the vacancies was obtained from the Secretary of War and the matter was then taken up with the Civil Service Commission. After many months of careful study of Civil Service rosters of various kinds, the individuals herein recommended for promotion were selected on account of their apparent character and latent ability. They were given to understand that this office is seeking to establish a permanent corps of trained experts in cryptography and that ~~on~~ one who was not disposed to make this work his life work would be engaged.

6. The latter factor deserves special consideration, Cryptographic work is a specialty among certain few restricted governmental activities. Work of this kind, particularly as regards solution activities, is not conducted in business and even in the government service the personnel engaged in cryptographic work is extremely limited. Counting the personnel in the Signal Intelligence Section, there are in the entire government service not more than ten or possibly a dozen persons employed for cryptographic and cryptanalytic studies. The consequences of this peculiar situation are obvious; the longer a person stays in so a restricted field, the more dependent he becomes upon the particular position for which he has qualified and which he occupies. Should the position be abolished, or funds for its continuance become unavailable, all of his training and accomplishments in this work avail him nothing in gaining a livelihood elsewhere, because there is no demand for services of the kind he can perform and because his long years of work in this specialty have not fitted him for other kinds of work. Should no provision be made for promotion consistent with advancement in skill, there is no opportunity to offer his services elsewhere to organizations where they might be more appreciated and better rewarded. It is therefore evident that very restricted activities of this kind impose a moral obligation of those who are responsible for their conduct, to see to it that the young persons they engage for these activities, who demonstrate aptitude for the difficult work, earnestness and sincerity of purposes, and loyalty, should be warranted in adopting a feeling of security of tenure of position and of certainty of substantial recognition of accomplishment on a par with that which they might have obtained in other fields of endeavor where these factors are the basis for advancement.

COPY

7. It is believed that the consideration of the necessity for long continued training in this type of work, the unusual combination of high grade intelligence and undoubted character required, places this group of employees in a considerably different category than those normally employed by the Signal Corps. This is apparent when it is realized that practically all other classes of employees may be obtained from the open market, whereas it is essential that the Signal Corps devote several years and much money to the training of specially selected individuals in order to produce qualified cryptographic personnel. This is especially true of those filling the cryptanalyst positions, for they have already devoted many years to professional studies and training and must yet undergo special instruction of several years duration in cryptographic studies. It is therefore my opinion that the new employees would be justified in assuming that the Signal Corps is not living up to its obligations, if an initial increase is not provided in the near future. Furthermore, it would be only logical for them to feel that future recognition of their services would likewise be quite problematical and possibly without results so far as financial advancement is concerned. Since age was an important factor in the selection of these individuals, even after a year or two of training, all of them would still be young enough to profit by a change to some other activity wherein the prospects of advancement might be considerably greater and therefore there would soon come the desire to separate themselves from the Signal Corps, with a consequent loss to the service of all the time and money expended in their training.

8. The training of the newly acquired personnel is progressing rapidly and time will shortly arrive when steps must be taken to furnish strategic corps areas and departments with Signal Intelligence Sections to be composed of two Junior Cryptanalysts and one Cryptographic Clerk. This will require the taking in of an equivalent number of additional employees under the same classifications until such time as the above-mentioned corps areas and departments have been completely supplied. In this connection it may be pointed out that duty in the Signal Intelligence Service will impose the same type of personal restrictions as are imposed upon military personnel, in that they will be expected to perform the duty at stations not subject to their own selections.

9. The foregoing facts are believed to explain the necessity for regular increases in their pay, reasonable in amount and consistent with their progress and length of service, and to the end that no dissatisfaction may be engendered through the failure of the Signal Corps to look properly to their interests.

10. If consistent with the rules of procedure of the Board, it is desired that I be given an opportunity to appear before the Board, in person, with the view to indicating more clearly the peculiar conditions involved in the development and operations of the Signal Intelligence Service.

COPY

COPY

D. M. Crawford,
Major, Signal Corps.

Attached:

7 Completed Questionnaires,
Copy of memo to Fiscal Division,
Exhibit A - Schedule of positions
in the Signal Intelligence Service.

COPY

REF ID: A61329

OFFICE OF THE CHIEF SIGNAL OFFICER

WASHINGTON

October 13, 1930

Colonel James B. Allison,
Signal Officer,
Second Corps Area,
Governors Island, New York.

Dear Colonel Allison:

I regret the delay made necessary due to waiting action by the Treasury Department on Mr. Friedman's active duty period with the Coast Guard. I understand that efficiency reports should normally be prepared within ten days after completion of the active duty period, but I believe the attached photostat copy of a letter just received from the Secretary of the Treasury will be sufficient explanation for the delay.

I would like to point out that Major Friedman was ordered to active duty with the Coast Guard for the purpose of observing the personnel, materiel, and operation concerned in goniometric and radio intercept activities. Major Friedman's efficiency report should therefore be made out with that basic requirement in view. While on this duty for the Signal Corps, he rendered valuable service to the Coast Guard in the nature of instruction. The attached letter indicates its value to the Coast Guard. However, it is my opinion that the degree of efficiency indicated in this letter must be translated on the efficiency report in terms of his value to the Signal Corps in goniometric and radio intercept activities.

To make a long story short, I suggest that you make Major Friedman's efficiency report equivalent to that expressed in this letter.

Very truly yours,

file

Encl.

H. Crawfords
Signal Corps

Signal Corps, United States Army

Received at War Department Message Center,
Room 3441, Munitions Building,
Washington, D. C.

LEASED WIRE

3-6513

33 01 H 11 MD

FORT MONMOUTH N J 1125 A AUG 30 1930

CHIEF SIGNAL OFFICER
WASHINGTON DC

SIGNAL SCHOOL WILL NOT REQUIRE SERVICES OF MAJOR FRIEDMAN THIS
FALL

(Handwritten initials 'JF' circled)

COWAN

150P

RECEIVED
1930 SEP 2 AM 9 19
OFFICE
CHIEF SIGNAL OFFICER

W.P. + Training

*File
DMC*

RECEIVED

OCSigO
1930 AUG 29 PM 2 20

po

August 29 OFFICE.
CHIEF SIGNAL OFFICER

Commandant, Signal School,
Fort Monmouth, N.J.

Advice requested whether course in cryptanalysis is contemplated this
fall requiring services Major Friedman on active duty at Signal School.

501

GIBBS.

SIGNAL OFFICER

1930 AUG 29 PM 2:20

RECEIVED

CONFIRMATION COPY MAILED THIS DATE.

OK dmc

SUSPENSE

DATE *Sept. 3d*

SIG. *WMO*

CROSS REFERENCE SHEETFILE UNDER:

✓ X-201- Friedman, W.F.
X-352 (Ft. Mon. N.J.)

Date of
correspondence

9-24-30

SYNOPSIS:

Let. from The Signal School, U.S.A. Fort Mon. N.J. to CSO requesting information as to whether Mr. Wm. F. Friedman could, thru correspondence, conduct an advanced course in Codes and Ciphers for officer students of the The Signal School.

1st Ind. this office to Comdt. The Signal School, Ft. Mon. N.J. (10-1-30) stating that this office will be glad to conduct correspondence courses in military cryptography for those of the Signal School officer students who elect to take such courses.

PAPERS FILED UNDER: 352.11 (Code & Cipher)

July 23, 1930.

COLLECT

701 ✓
William F. Friedman,
Timberlake, Virginia.

Desire you report Monday twenty-eighth if practicable.

SIGNAL CORPS

1930 JUL - 23 - PM 1:21

WAR DEPARTMENT
MESSAGE CENTER

CRAWFORD.

DMC

FILE
SIG. *WFO* DATE *7/23/30*

Signal Corps, United States Army

Received at

War Department Message Center,
Room 3441, Munitions Building,
Washington, D. C.

WESTERN UNION TELEGRAPH CO.

8-8311

13WHM 10

TD TIMBERLAKE VIRGINIA 1018A JULY 23 1930

MAJOR DAVID M CRAWFORD
OFFICE CHIEF SIGNAL OFFICER
WASHINGTON DC

RETURN WITH CHILDREN UNTIL HEAT BREAKS UNSAFE REQUEST EXTENSION
LEAVE.

WILLIAM F FRIEDMAN

1050A

How MUCH ?

Mon
Tues
Wed
Thurs
Fri
Sat 8/14

Next Mon.
July 28

Desire you report Monday
twenty-eighth if practicable
Crawford

RECEIVED
JUL 23 11 04

105

CCSO-201-Friedman, Wm. Frederick (4-29-30)

1st Ind.

War Department, CCsigO., May 13, 1930 - To: The Adjutant General.

1. Concur in the foregoing report.
2. Recommend reappointment with full privileges of assignment, active duty, or promotion, in peace time.

For the Chief Signal Officer:

1 Incl. (no change)

D. C. G. Schlenker,
Captain, Signal Corps.

FILE

SIG - AS - DATE 5/13/30

HEADQUARTERS THIRD CORPS AREA
 UNITED STATES ARMY
 Baltimore Maryland

Friedman, William Frederick (4-29-30)

April 29, 1930. 3.

201-
78

Subject: Reappointment of Reserve Officer.
 The Chief Signal Officer.

To: The Adjutant General, War Department,
 Washington, D. C.

Major William F. Friedman, Signal Sergeant, 3932 Military Road, Washington, D. C.,
 of Dec. 8, 1930.

will expire

Major Friedman

xxx

2. does meet the requirements
 for reappointment with the privileges of promotion, assignment, and active-duty
 hours credit for the 5 year period of his current appointment. ^{A record of 418}
 training as set forth in Par. 15 AR 140-8, in that he has

3. Report of physical examination herewith.
4. His reappointment, without restriction, is recommended.

For the Commanding General:

ALBERT GILMCR,

Lt.-Col., C.A.C. (D.O.L.)

Acting Assistant Adjutant General.

1 Incl.
 Form 63 AGO.

Public Voucher for Reimbursement of Travel and Other Expenses
Including Per Diem

Voucher No. _____
No. _____

Return to → Signal Corps.

GENERAL ACCOUNTING OFFICE
PREAUDIT
Certified for payment in the
sum of \$ _____
By J. R. McCARL,
Comptroller General of
the United States.

U. S. War Department, Signal Service at Large
(Department, Bureau, or Establishment)
Appropriation: SC-279-P-5056 EXHIBIT A9-0 \$ 18.00
SC 279 P 5070 A 9-0 \$ 6.20
Army Transportation (RAIL), 1929. TOTAL \$ 24.20
THE UNITED STATES, D.C.
To William F. Friedman, Cryptanalyst, S.S.I.
Office, Chief Signal Officer
(Address)

PAID BY _____
(For use of Paying Office)

Official Headquarters _____ Domicile _____ Residence _____
(For use of the Postal Service only)

FOR REIMBURSEMENT of travel and other expenses incurred in the discharge of official duty
from August 14, 1929, to August 19, 1929,
as per itemized statement within, under authority No. 0050, dated Aug. 13, 1929, \$ 24.20

AMOUNT		NOTATIONS (Free for use this column)
Dollars	Cents	
		<u>PAID</u>
		<u>\$24.</u>
		<u>W.F.F.</u>

(Additional statements by Department,
Bureau, or Establishment,
if deemed necessary)

(ACCOUNTING CLASSIFICATION)

(Payee will NOT use this space)
Differences _____
Account verified; correct for \$ _____
(Signature or initials) _____

FILE
SIG *km* **DATE** *1/25*

MEMORANDUM
Cryptanalyst, S.S.I.

Paid by { Check No. _____, dated _____, 19____, for \$ _____ } on Treasurer of the United States
in favor of payee named above
Cash, \$ _____, on _____, 19____

MEMORANDUM—DO NOT SIGN
10-1884a

Army Finance Office, Washington, D. C.
Date 9/31/29, Paid on Vou. No. 9061
Money Acct. of J. B. HARPF Major, F.D.

ITEMIZED SCHEDULE OF TRAVEL AND OTHER EXPENSES

1. Give duty status on first day of voucher period:

* Arrived at New York, N. Y. on August 14, 1929.for temporary duty for approximate period three daysApproximate date of return to official headquarters August 17, 19292. State authorized allowance for per diem in lieu of subsistence: \$ 6.00 †

3. State authorized allowance for actual subsistence expenses: Not to exceed \$ _____ † per day.

* If authority provides for travel to more than one point, time of arrival and departure from each should be stated in the body of the account in chronological order.

† If more than one rate of allowance is authorized, full statement of application of each rate must be given in some convenient place on this voucher.

DATE 19 <u>29</u>	CHARACTER OF EXPENDITURE (To be itemized by the day and fully explained)	SUB- VOU. NO.	AMOUNT		NOTATIONS (Payee must not use this column)
			SUBSISTENCE	OTHER	
Aug. 14	Left Washington, D. C. 12:25 A.M. ✓				
" 14	Arrived New York, N. Y. 8:00 A.M. ✓				
" 19	Left New York, N. Y. 1:25 A.M. ✓				
" 19	Arrived Washington, DC 7:30 A.M. ✓				
	✓ On authorized annual leave from noon Friday, August 16, 1929, until midnight Sunday, August 18, 1929. 3 days @ \$6.00 per diem		18 00 ✓		P-5056
Aug. 13	Taxi from residence to railroad station, Washington, D.C.			1 85	Disallowed P-5070
" 13	Station porter, Washington, D.C.			15	
" 14	Pullman porter			25	
" 14	Station porter, New York N.Y.			15	
" 14	Taxi railroad station to hotel			55	
" 14	Hotel porter			15	
" 16	Subway fare New York to Governors Island, N.Y. and ret.			15	
" 18	Hotel porter			15	
" 18	Taxi Hotel to railroad station			55	
" 18	Station porter, New York			15	
" 19	Pullman porter			25	
" 19	Station porter, Washington, D.C.			15	
" 19	Taxi railroad station to residence			1 85	

Public Voucher for Reimbursement of Travel and Other Expenses
 Including Per Diem

Voucher No. _____
 No. _____

GENERAL ACCOUNTING OFFICE
PREAUDIT
 Certified for payment in the
 sum of \$ _____
 By *J. B. McCarty*
 Comptroller General of
 the United States.

U. S. *Signal Corps*
 (Department, Bureau, or Establishment)
 Appropriation: *Army Transportation 1930 Rail*
 SC 279 P 5056 A 9-0.....\$28.50
 THE UNITED STATES, Dr., SC 279 P 5070 A 9-0..... 3.50
 To *William F. Friedman, Cryptanalyst.* \$32.00
3030 Ambition Bldg., Wash., D.C.
 (Address)

PAID BY

(For use of Paying Office)

Official Headquarters *Wash., D.C.* Domicile _____ Residence _____
 (For use of the Postal Service only)

FOR REIMBURSEMENT of travel and other expenses incurred in the discharge of official duty
 from October 19th, 1929, to October 24th, 1929,
 as per itemized statement within, under authority No. 12-1-29 dated Oct. 5, 1929, \$

AMOUNT		NOTATIONS (Payee must not use this column)
Dollars	Cents	
32	00	<i>Paid</i>

(Additional statements by Department, Bureau, or Establishment, if deemed necessary)
 (ACCOUNTING CLASSIFICATION)
 (Payee will NOT use this space)
 Differences _____
 Account verified; correct for \$ _____
 (Signature or initials) *W. F. Friedman*

Army Finance Office, Washington, D. C.
 Date 11/8/29, Paid on Vou. No. 2712
 Money acct. of J. B. HARPER, Major, F. S.

Copy

MEMORANDUM

FILE
W. F. Friedman
DATE 7/25

Paid by | Check No. _____, dated _____, 19____, for \$ _____ (on Treasurer of the United States
 | Cash, \$ _____, on _____, 19____ in favor of payee named above)

MEMORANDUM—DO NOT SIGN
 10-1884a

ITEMIZED SCHEDULE OF TRAVEL AND OTHER EXPENSES

1 Give duty status on first day of voucher period

* Arrived at _____ on _____, 19____
 for temporary duty for approximate period _____
 Approximate date of return to official headquarters _____, 19____

2 State authorized allowance for per diem in lieu of subsistence \$ _____

3 State authorized allowance for actual subsistence expenses Not to exceed \$ _____ per day

* If authority provides for travel to more than one point, time of arrival and departure from each should be stated in the body of the account in chronological order
 † If more than one rate of allowance is authorized full statement of application of each rate must be given in some convenient place on this voucher

DATE	CHARACTER OF EXPENDITURE (To be itemized by the day and fully explained)	SUB YOU NO	AMOUNT		NOTATIONS <small>(Payee must not use this column)</small>
			SUBSISTENCE	OTHER	
19 29					
Oct. 19	Arrived in Chicago at 6:15 P.M. (without Annual Leave).	✓			
22	Left Chicago at 3:15 P.M.	✓			
22	Arrived in Ann Arbor at 10:30 P.M.	✓			
24	Left Ann Arbor at 10:40 A.M.	✓			
	Transportation Chicago to Ann Arbor and Pullman furnished by G.M., VI G.A., chargeable to Procurement Authority SC-279-F-5006-A9-0.				
	4 1/2 days per diem in lieu of subsistence (\$6.00 per day) chargeable to Procurement Authority SC-279-F-5056-A9-0	✓	28	50	P-5056
	- Departure - 2 pieces of baggage.	✓			
Oct. 22	Hotel porter, Chicago - from hotel, Chicago.				25
	Taxi to R.R. station - Chicago.				30
	Station porter (2 pieces) - Arrival - Ann Arbor.				25
	Pullman porter - (2 pieces).				25
	Station porter, Ann Arbor - Ann Arbor				25
	Taxi to hotel - Departure - 2 pieces of baggage, Ann Arbor.				60
24	Hotel porter - from hotel - Ann Arbor.				25
	Taxi to R.R. station - (2 pieces), Ann Arbor. Departure.				60
	Station porter				25

The supplies and services to be obtained by this instrument are authorized by, are for the purpose set forth in and are chargeable to Procurement Authority *SC-279-8-5056-97-0 ✓*
8-5070 ✓
The available balance of which is sufficient to cover cost of same

(Sgt) Ruy A. Coles

May 5 ✓

By J.A.C

[Large handwritten signature]

TOTALS (to be carried forward to Continuation Sheet, if necessary)

28 50 *3 50*

32 00

TOTAL AMOUNT OF VOUCHER (not to be used when totals are carried forward to Continuation Sheet)

HEADQUARTERS THIRD CORPS AREA
 UNITED STATES ARMY
 Baltimore Maryland

201-Friedman, William Frederick (12-12-29)
 78

Dec. 12, 1929 3.

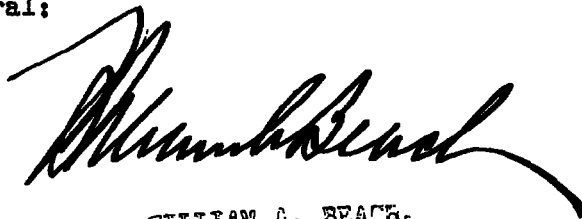
Subject: Report on hours of credit.

To: The Adjutant General.

In compliance with War Department letter, AG 210.4 ORC (10-10-29) Res., dated October 10, 1929, report is made of the following credit hours for promotion earned by Major William F. Friedman, Sig-Res.

Active duty	Dec. 8 to 22, 1925	105 hours.
	Dec. 8 to 22, 1926	105 "
	Dec. 6 to 19, 1927	100 "
	Dec. 5 to 18, 1928	100 "
Classes:	5-31-27	6 " 55 min.

For the Commanding General:



WILLIAM A. BEACH,
 Major, A.G.D.,
 Asst. Adjt General

SIG
 DATE 12-19-29

201-Friedman, W.F.

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

November 6, 1929.

Schedule for classes in cryptography.

Commandant, The Signal School, Ft. Monmouth, N.J.

1. It is desired that a copy of the schedule covering the instruction to be given by Mr. Friedman in cryptography be furnished this office.

G. E. Kumpe,
Colonel, Signal Corps,
Acting Chief Signal Officer of the Army.
H. B. M.

FILE	
S.G. <i>AM</i>	DATE <i>11/6/29</i>

201-Friedman, William F.

1st Ind.

rnk

War Department, OCSigO, Washington, November 5, 1929. To the Finance Officer,
U. S. Army, Munitions Building, Washington, D. C.

Recommending settlement.

G. E. Kumpo,
Colonel, Signal Corps,
Acting Chief Signal Officer of the Army.

2 Incls.

Orders in dup.

Trans. Certf. in dup.

Voucher for \$32.00 covering travel from Chicago, Ill., to Ann Arbor, Mich.,
and return connection code work of the Signal Corps. Oct. 19th to 24th, 1929.

$4\frac{3}{4}$ days per diem @ \$6.00 - \$28.50

Tips, etc. 3.50
\$32.00

FILE

By: RW DATE 11/5

201.-Friedman, William F.

kml

October 5, 1929.

Orders.

William F. Friedman, Cryptanalyst, S.S.L.
 (Thru OIC, Research and Engineering Division)

1. Pursuant to authority of the Secretary of War dated June 22, 1925, upon completion of annual leave in Chicago, Ill., you will report to the Signal Officer, Sixth Corps Area, on or about October 21, 1929, for temporary duty for a period of approximately two days in Chicago, upon completion of which you will proceed to Ann Arbor, Michigan, for temporary duty for a period of approximately two days, upon completion of which you will resume your annual leave status. This temporary duty is necessary in connection with code work of the Signal Corps.

2. While enroute from Chicago, Ill., to Ann Arbor, Michigan, and while on temporary duty at Chicago and Ann Arbor you will be allowed a flat per diem of \$6.00, in lieu of subsistence, in accordance with provisions of existing regulations, chargeable to Procurement Authority SC-279-P-5056-19-0. Travel expenses, while traveling, authorized and chargeable to Procurement Authority SC-279-P-5070-19-0. All vouchers covering any part of expenses incurred while traveling under these orders will be submitted to the Office of the Chief Signal Officer for certificate regarding availability of funds.

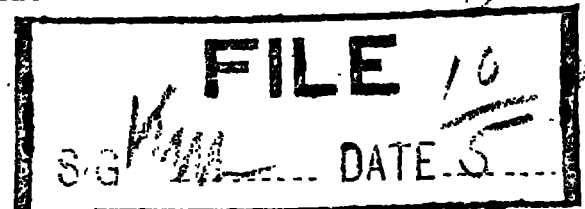
3. The Quartermaster Corps will furnish the necessary transportation chargeable to Procurement Authority SC-279-P-5006-19-0.

4. The travel directed herein is necessary in the military service.

G. E. Kump
 Colonel, Signal Corps,
 Acting Chief Signal Officer of the Army.

Copy furnished

✓
 Signal Officer, Sixth Corps Area.



OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON, D. C.

Serial No. 22

(Date) October 4, 1929.

MEMORANDUM FOR: Executive Officer, (Thru *JBE* Fiscal Section).

1. It is requested that travel orders be issued for:

- (a) Name: William F. Friedman
- (b) Designation: Cryptanalyst
- (c) ~~EXCURSION~~
- (d) ~~TRIP~~ (To be taken while on annual leave)
- (e) Report to: Signal Officer, 6th Corps Area.
- (f) Temporary duty ~~xxx change of station~~ at Chicago, Ill. and Ann Arbor, Mich.
- (g) Per diem authorized for 5 days.
- (h) Purpose: In connection with code work of the Signal Corps.

2. Cost of travel will be charged as follows:

- (a) Reimbursement of travel expenses:

Allotment	Estimated cost
SC-279-P-5056-A9-0	\$30.00

- (b) Transportation:

Allotment	Estimated cost
SC-279-P-5006-A9-0	\$ 12.67

- (c) Transportation of baggage:

Allotment	Estimated cost

- (d) Total estimated cost: \$42.67

3. Funds are available for the payment of expenses incident to the travel requested herein.

4. Remarks: Mr. Friedman is being ordered on this temporary duty while in the vicinity of Chicago.

CHARGED TO	10/4/29
<i>P. + R. Blair</i>	
Transportation Account	
Fiscal Section	
For	<i>JBE</i>

Wm. R. Blair
Wm. R. Blair
Major, Signal Corps.

October 4, 1929.

William F. Friedman
Cryptanalyst

XXXXX (To be taken while on annual leave)
XXXX

Signal Officer, 6th Corps Area.

XXXXXXXXXXXXXXXXXXXXXXXXX at Chicago, Ill. and Ann Arbor, Mich.

5

In connection with code work of the Signal Corps.

SC-279-P-5056-A9-0

\$30.00

SC-279-P-5006-A9-0

\$ 12.67

\$42.67

Mr. Friedman is being ordered on this temporary duty while in the vicinity of Chicago.

Wm. R. Blair
Major, Signal Corps.

IN REPLY
REFER TOWAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

October 4, 1929.

MEMORANDUM to the Chief of R & E Division.

In connection with my efforts to obtain suitably qualified personnel for employment in this section, it is suggested that the opportunity to interview candidates at the University of Chicago, while on my visit to Madison, Wisconsin, should be taken. I have made inquiry as to whether government travel regulations would permit of my being placed upon a per diem basis for two days while passing through Chicago, and an affirmative reply has been received.

It has also seemed advisable to consult with the authorities of the University of Michigan, at Ann Arbor, and it has been indicated that travel orders from Chicago to Ann Arbor, and per diem subsistence for two days could be granted.

If these two proposed visits meet with your approval it is requested that steps be taken with the Personnel Division to have the necessary orders issued.

William F. Friedman
William F. Friedman,
Code and Cipher Section.

201-Friedman, William F.

1st Ind.

rnk

War Department, OCSigO, Washington, August 23, 1929. To the Finance Officer,
U. S. Army, Munitions Building, Washington, D. C.

Recommending settlement.

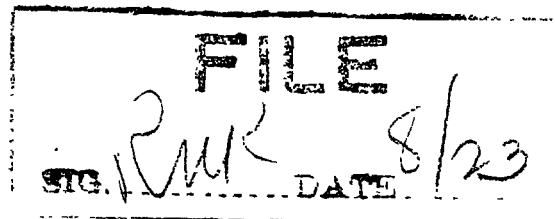
Walter E. Prosser,
Lieut. Colonel, Signal Corps,
Acting Chief Signal Officer of the Army.

3 Incls.

Authority of SecWar in dup.
Orders in dup.
Transportation Certificate in dup.

Voucher covering travel from Washington, D. C., to New York, N.Y., from
August 14th to 19th Incl. Annual leave granted for 1-8/14 days during
this time.

3 days per diem @ \$6.00	-	\$18.00
Tips, etc.		6.30
		<u>\$24.30</u>



CROSS REFERENCE SHEET

Date of
correspondence
July 2, 1929.

FILE UNDER: 201 - Friedman,
 201 - Sherry.

SYNOPSIS! Request from C.O.Ft, Mon, N.J., for the above officers ~~as~~ as
~~instruct~~ instructors.

Friedman - Dec. 2 to 17th, 1929.
Sherry - Feb. 27. - Mar 20, 1930.

PAPERS FILED UNDER:

210,631 - Ft. Mon, N.J.

w/ecc

3rd Ind.

War Department, May 4, 1929. - To the Chief Signal Officer.

A copy of the Department's reply is inclosed. Information as to the action in this case should be communicated to Mr. Friedman. By order of the Secretary of War:

John C. Scofield

Assistant and Chief Clerk.

Incl.

RECEIVED
1929 MAY 9 AM 9 12
OFFICE OF THE SECRETARY OF WAR

w/ecc

May 8, 1929.

Mr. Julius H. Barnes,
American Section,
International Chamber of Commerce,
Washington, D. C.

My dear Mr. Barnes:

I received your letter of the 8th ultimo stating that the American Section of the International Chamber of Commerce wishes to extend an invitation to Mr. William Frederick Friedman, a cryptanalyst in the Signal Service, to become a member of its Special Sub-committee to consider, prior to the Amsterdam Congress, the decisions reached by the Telegraph Union at the Brussels Conference, and their effect upon business interests in the United States.

The designation of Mr. Friedman as the representative of the War Department on that Special Sub-committee is approved.

Sincerely yours,

Secretary of War.

AG 201 Friedman, William F.
(Civ. Emp.) (4/8/29) Misc.

1st Ind.

SRS/CLW

War Dept., AGO, Washington, April 12, 1929 - To the Chief Signal Officer

1. For remark.

By order of the Secretary of War,

William J. Durbis
Adjutant General.

1929 APR 13 AM 11
RECEIVED
CHIEF SIGNAL OFFICER

201 Friedman, Wm.F. (4-8-29)

2nd Ind.

wep-po

April 16, 1929 - To The Adjutant General.

1. With reference to the basic communication, it is the opinion of this office that the War Department has a fundamental interest in the subjects which are mentioned therein and should approve, as a matter of principle, the participation of an officer of the Army of the United States in the preliminary deliberations and studies of the Special Subcommittee of the International Chamber of Commerce, special reference being given to the effect the decisions reached by the International Telegraph Union may have upon the interests of the War Department.

2. The detail of Major William F. Friedman, Signal Reserve, chief of the Code and Cipher Section of the Signal Corps, as representative of the War Department on the Special Subcommittee is approved. However, it is desired to remark in this connection on the unusual nature of the basic request, which specifies the name of an individual officer in the invitation to serve on the Special Subcommittee, and in this manner hampers the freedom of action of the War Department in selecting its own representative.

3. Should the action recommended be taken in the present case, it should not serve as a precedent in future matters of this kind.

For the Chief Signal Officer.

RECEIVED
CHIEF SIGNAL OFFICER
APR 17 1929
SNOODEN

Walter E. Prosser

Walter E. Prosser,
Major, Signal Corps.
Executive.

RECD W.P.D. APR 24 1929 936-29

INTERNATIONAL CHAMBER OF COMMERCE
AMERICAN SECTION
WASHINGTON

SECRETARY'S OFFICE
APR 9 1929
WAR DEPARTMENT

April
Eighth
1929.

OFFICE OF THE CHAIRMAN

Friedman, Wm. F.
Indefinite

My dear Mr. Secretary:

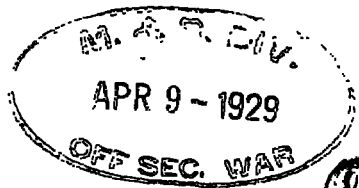
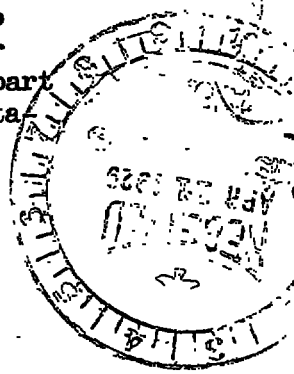
The Fifth Congress of the International Chamber of Commerce to be held at Amsterdam in July of this year, will probably consider questions relating to the Regulations agreed upon last year at the Brussels Conference of the International Telegraph Union. The American Section of the International Chamber has decided to set up a Special Subcommittee, to consider, prior to the Amsterdam Congress, the decisions reached by the Telegraph Union at the Brussels Conference, and their effect upon business interests in the United States.

Major William F. Friedman, Signal Reserve, Chief of the Code and Cipher Section of the War Department, has given this subject much study, and the American Section wishes to extend to him, an invitation to become a member of the Subcommittee. Should the War Department have no objection to such service on the part of Major Friedman, I should be grateful if this invitation might be transmitted to him.

Very truly yours,

Julius H. Barnes

Julius H. Barnes,
Vice President for the United States.



Honorable James W. Good,
Secretary of War,
War Department,
Washington, D. C.

28 Received A. G. O. 1929

06201 = Friedman, Wm. F. (Indefinite) 4-8-29

AG 201 Friedman, William F.
(Civ Emp.) (4/8/29) Misc.

1st Ind.

SRS/CLW

War Dept., AGO, Washington, April 12, 1929 - To the Chief Signal Officer.

1. For remark.

By order of the Secretary of War:

Adjutant General.

201. Friedman, William F.

2d Ind.

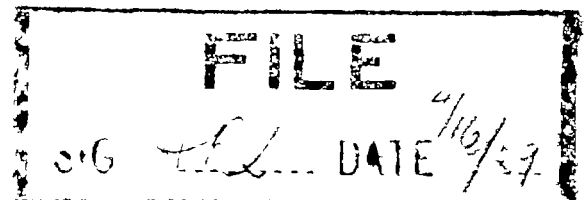
rep-hrs

April 16, 1929 - To The Adjutant General.

1. With reference to the attached request of the American Section of the International Chamber of Commerce to allow Major Wm. F. Friedman, Signal Reserve, to become a member of a special subcommittee to consider the decisions reached by the Telegraph Union at the Brussels Conference, it is recommended that this request be approved provided that there is no expense to the Government in connection therewith.

For the Chief Signal Officer.

Walter E. Prosser,
Major, Signal Corps,
Executive.



IN REPLY
REFER TOWAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

jhg/gab

April 15, 1929.

MEMORANDUM FOR: Executive Officer.

1. Reference attached request of the American Section of the International Chamber of Commerce to allow Major Wm. F. Friedman, Signal Reserve, to become a member of a special subcommittee to consider the decisions reached by the Telegraph Union at the Brussels Conference, it is recommended that this request be approved provided that there is no expense to the Government in connection therewith.

RECEIVED

1929 APR 15 PM 4 2

Wm. R. Blair,
Major, Signal Corps.

Attached:

correspondence.

OFFICE
CHIEF SIGNAL OFFICER

OCSSO-201-Friedman, William F.
Pers.Div. (11-13-23)

November 13, 1928.

Orders.
X 352-13 - *At Me...*

The Adjutant General.

1. It is recommended that orders be issued directing the assignment to active duty from December 5, 1928 to December 18, 1928, both dates inclusive, of Major William Frederick Friedman, Signal Corps Reserve (O-166764), Branch Assignment Group, and that he be directed to proceed to Fort Monmouth, New Jersey, reporting in person upon arrival to the Commanding Officer, thereat, for duty, and upon conclusion to return to his home and inactive status.
2. There is enclosed a certificate from this office consenting to the duty herein recommended and to the effect that he has had no prior active service during the current fiscal year.
3. Pay and allowances are chargeable to FD 619 P 2717 & 3190-9.
4. Mileage is chargeable to FD 574 P 5042 & 3190-9.
5. Funds are available and sufficient under the above cited procurement authorities.
6. Cost estimate attached.

For the Chief Signal Officer.

D. C. G. Schlenker,
Captain, Signal Corps.

2 Incls.
Officer's Cert.
Cost Estimate.

COPY TO: Commanding General, 2nd C.A., Gov. Isl., N.Y.)
Commanding Officer, Fort Monmouth, New Jersey) as information.

11/13/28

AM

11/13/28

IN REPLY
REFER TO

Training Div.

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

November 6, 1928.

MEMORANDUM FOR: Personnel Div.

It is recommended that orders be requested directing Major William F. Friedman, Sig-Res., to report to the Commanding Officer, Fort Monmouth, N.J. for active duty training December 5 to 18, 1928.

Att.
Application


D. M. Crawford,
Major, Signal Corps.
wr.

352.11 - Code Cipher

X 201- Friedman, W.F.
(11-6-28)

November 6, 1928.

Instruction in Cryptography.

Commandant, The Signal School,
Fort Monmouth, N.J.

1. Referring to your letter on the above subject dated August 23, 1928 and to 1st Indorsement from this office in reply thereto dated August 27, 1928, Major William F. Friedman consents to active duty training at Fort Monmouth for the period December 5 to 18 and is authorized to remain at Fort Monmouth on civilian status for the period December 19 to 21, for the purpose of instructing in the course in cryptography.

2. Major Friedman concurs in your opinion that the course as given in the past has required more work and time than is consistent with the proper pursuit of other concurrent subjects. He is prepared to change the course in the manner suggested and to award grades for class room work only.

3. Further details for the conduct of the course should be arranged by direct correspondence with Major Friedman.

By order of the Chief Signal Officer:

J.E. Hemphill,
Lieut. Col., Signal Corps.
Executive.

B⁴
7

IN REPLY REFER TO

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

November 2, 1928.

Subject Report of return to the United States.

To The Adjutant General, through C.G., III C.A.

1. In accordance with Army Regulations governing officers in the Organized Reserves, I report my return to the United States on Oct. 27th, 1928, from Europe.

2. My permanent address is 3932 Military Road, Washington, D.C.

RECEIVED
NOV 13 1928
SIGNAL OFFICER

W

William F. Friedman
William F. Friedman,
Major, Signal-Reserve.

Incl.
THE INF CORPS - Baltimore, Md.
The Adjutant General
Notes.

NOV 10 1928

FILE
SIG *HK* DATE *11/10/28*

201.-Friedman, William F.

kml

November 1, 1928.

Confirmatory orders.

William F. Friedman, Cryptanalyst, U.S.L.
 (Thru OIC, Research and Engineering Division)

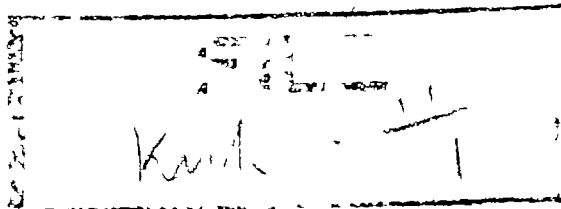
1. Pursuant to authority of the Secretary of War dated June 22, 1925, and with reference to cablegram sent you September 25, 1928, travel performed by you from Brussels to Stockholm thence to London in connection with Signal Corps code work, between the dates September 29 and October 7, 1928, is confirmed.

2. Transportation and incidental expenses in connection therewith are authorized and chargeable to Procurement Authority SC-254-P-5006-A9-9 and Procurement Authority SC-254-P-5070-A9-9, respectively. Vouchers covering expenses incurred while traveling under these orders should be submitted, in triplicate, to the Office of the Chief Signal Officer for certificate regarding availability of funds.

3. Travel confirmed herein was necessary in the military service.

By order of the Chief Signal Officer:

J. P. Hemphill
 Lieut. Colonel, Signal Corps,
 Executive.



REF ID: A66329

OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

October 15, 1928.

Salary check.

American Security and Trust Company, 15th Street & Pennsylvania
Avenue, Washington, D. C.

1. At the request of Mr. William F. Friedman, there is inclosed
herewith check No. 699,206 dated October 15, 1928, on the Treasurer of the
United States for \$233.00 covering his salary for the period October 1 to
15, 1928, inclusive.

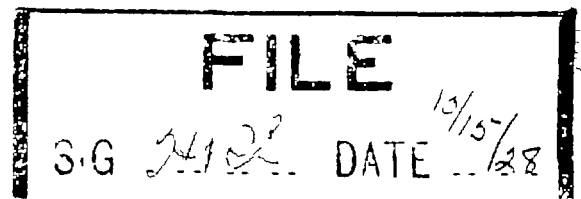
2. Please place to the credit of Mr. Friedman and acknowledge re-
ceipt.

3. Power of Attorney has been deposited with your bank.

For the Chief Signal Officer.

J. E. Hemphill,
Lt. Col., Signal Corps,
Executive.

1 incl.
ck.



Public Voucher for Reimbursement of Travel and Other Expenses
Including Per Diem

Voucher No. ---
No. ---

MEMORANDUM
Signal Corps

U S War Department

(Department, Bureau or Establishment)

Appropriation

~~0-251-530, XXXXXX - A9-~~ \$ 132.41
SC 254 P 5070 A 9-9

TOTAL \$ ~~132.41~~
\$ 146.06

PAID BY

(For use of Paying Office)

ARMY TRANSPORTATION 1929 RAIL

THE UNITED STATES, Dr, To William F. Friedman

(Payee)

Address Office of the Chief Signal Officer

Official Headquarters Wash., D. C. Domicile Residence
(For use of the Postal Service only)

For REIMBURSEMENT of travel and other expenses incurred in the discharge of official duty
from September 29, 1928, to October 7, 1928,
as per itemized statement within, under authority Chief Signal Officer dated
November 1, 1928 (Confirmatory orders herewith)

AMOUNT		NOTATIONS (Payee must not use this column)
Dollars	Cents	
		PAID
		146.06

(Additional statements by Department Bureau or Establishment, if deemed necessary)

(ACCOUNTING CLASSIFICATION)

(Payee will NOT use this space)

Differences

Account verified correct for \$

(Signature or Initials)

I do solemnly swear (or affirm) that the above account and schedule annexed are just and true in all respects that the distances for which charges are made have been actually and necessarily traveled on the dates therein specified that the amounts as charged other than for per diem in lieu of subsistence, have been actually paid by me for travel and other expenses incurred on official business only that no part of the account has been paid by the United States but the full amount is justly due that all expenditures included in said account other than my own personal travel expenses were made under prior authority therefor or under urgent or unforeseen public necessity that it was not for reasons stated herein feasible to have payment made for such expenditures by a disbursing officer of the United States, and that expenses for which no vouchers were obtained were made under such circumstances as to render the taking of vouchers impracticable

MEMORANDUM—DO NOT SIGN

Payee

Title

(To be used at discretion of Department, Bureau, or Establishment)

Subscribed and sworn to (or affirmed) before me at

Recommended for approval

this day of 1928

192

Signature

(Immediate Supervising Official)

Title

I certify that the services have been performed and the expenses incurred as stated in the above account, except as noted, that they were necessary and proper that the annexed statement has been examined and that the amounts claimed are just and reasonable, except as noted

Approved for \$ Army Finance Officer, Springfield, D. C.

MEMORANDUM—DO NOT SIGN

11/13/1928, Paid on 3521
Act of E Comgvs, Major, D. C.

Paid by Check No. , dated , 1928, for \$
Cash, \$, on , 1928

(on Treasurer of the United State in favor of payee named above)

Signature of payee

DATE	CHARACTER OF EXPENDITURE (To be itemized by day and fully explained)	SUB VOUCHER NUMBER	AMOUNT		NOTATIONS (Payee must not use this column)
			SUBSISTENCE	OTHER	
	Left Brussels, Belgium, 2:30 P.M., Sept. 29;				
	Arrived Cologne, Germany, 7:00 P.M., Sept. 29;				
	Left Cologne, 10:30 P.M., Sept. 29; Arrived				
	Hamburg, Germany, 7:00 A.M., Sept. 30; Left				
	Hamburg, 8:20 A.M., Sept. 30; Arrived Copen-				
	hagen, Denmark, 6:30 P.M., Sept. 30; Left				
	Copenhagen, 8:00 P.M., Sept. 30; Arrived				
	Stockholm, Sweden, 9:00 A.M., Oct. 1; Left				
	Stockholm, 9:00 P.M., Oct. 4; Arrived Copen-				
	hagen, 10:00 A.M., Oct. 5; Left Copenhagen,				
	8:30 A.M., Oct. 6; Arrived Esbjerg, Denmark,				
	(Left Esbjerg, Denmark, 4:50 P.M., Oct. 6,				
	4:50 P.M., Oct. 6; Arrived Harwich, England,				
	5:00 P.M., Oct. 7; Left Harwich, 5:00 P.M.,				
	Oct. 7; Arrived London, 7:45 P.M., Oct. 7th.				
Sept. 29	Hotel porter, Brussels,			25	✓
	Taxi to station,			30	✓
	Station porter, Brussels,			25	✓
	Station porter, Cologne,			25	✓
	Checking hand baggage, Cologne,			20	✓
	Station porter, Cologne,			25	✓
30	Pullman porter,			25	✓
30	Station porter, Hamburg,			25	✓
	Checking hand baggage, Hamburg,			20	✓
	Station porter, Hamburg,			25	✓
	Pullman porter,			25	✓
	Station porter, Copenhagen,			25	✓
TOTALS (to be carried forward to Continuation Sheet, if necessary)				3 45	✓
TOTAL AMOUNT OF VOUCHER (not to be used when totals are carried forward to Continuation Sheet)					

(over)

Public ~~Agency~~ **Agency for Reimbursement of Travel and Other Expenses**
 Including Per Diem—Continuation Sheet

2506-6 NOV
 25 1924

MEMORANDUM

Payee

ITEMIZED SCHEDULE OF TRAVEL AND OTHER EXPENSES

DATE 1928	CHARACTER OF EXPENDITURE (To be itemized by the day and fully explained)	SUB- VOUCHER NUMBER	AMOUNT		NOTATIONS (Payee must not use this column)
			SUBSISTENCE	OTHER	
	<i>Brought forward</i>			3 45	✓
<i>Sept</i> 30	Checking hand baggage, Copenhagen,			20	✓
	Station porter,			25	✓
<i>Oct</i> 1	Pullman porter,			25	✓
	Station porter, Stockholm,			25	✓
	Taxi to Hotel,			1 25	✓
	Hotel porter,			25	✓
4	Hotel porter,			25	✓
	Taxi to station,			1 25	✓
	Station porter,			25	✓
5	Pullman porter,			25	✓
5	Station porter, Copenhagen,			25	✓
	Taxi to Hotel,			1 40	<i>Disallowed</i>
	Hotel porter,			35	
6	Hotel porter,			35	
	Taxi to station,			1 40	
	Station porter,			25	
	Pullman porter,			25	
	Dock porter, Esbjerg,			25	
	<i>Fwd.</i>			18 20	
				<i>18 90</i>	

Public Voucher for Reimbursement of Travel and Other Expenses
 Including Per Diem—Continuation Sheet

MEMORANDUM

Payee

ITEMIZED SCHEDULE OF TRAVEL AND OTHER EXPENSES

DATE 1928	CHARACTER OF EXPENDITURE (To be itemized by the day and fully explained)	SUB VOUCHER NUMBER	AMOUNT		NOTATIONS (Please must not use this column)
			SUBSISTENCE	OTHER	
	<i>Brought forward</i>			12 80	<i>\$890</i>
Oct. 7	Dining room steward's tip,			50	✓
	Room steward's tip,			50	✓
	Deck steward's tip,			25	✓
	Hire of steamer rug,			50	✓
	Hire of steamer chair,			50	✓
	Dock porter, Harwich,			25	✓
	Station porter, London,			25	✓
	Taxi to Hotel,			1 75	✓
	Hotel porter,			25	✓
	R.R. fare Brussels to Stockholm, and Stock- holm to Copenhagen,	1		92 00	✓
	R.R. & steamer fare, Copenhagen to London.	2		40 41	✓
	Total			149 86	<i>\$146⁰⁶</i>
	<p>The expenses and vouchers to be obtained by this instrument are authorized by are for the purpose set forth in, and are chargeable to <i>Purse 254</i></p> <p><i>P-5006-29-9</i></p> <p>the available balance of which is sufficient to cover the same</p>				

WAR DEPARTMENT
OFFICE OF THE ^{hps} CHIEF SIGNAL OFFICER
WASHINGTON

September 29, 1928.

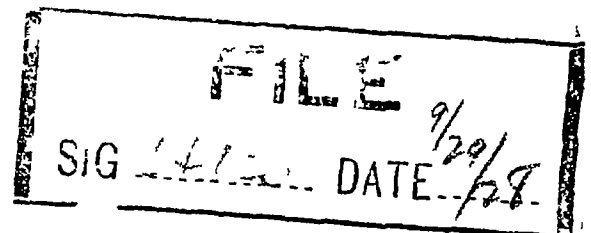
Salary check.

American Security and Trust Company, 15th Street and Pennsylvania
Avenue, Washington, D. C.

1. At the request of Mr. William F. Friedman, there is inclosed herewith check No. 891,003 dated September 30, 1928, on the Treasurer of the United States for \$233.66, covering his salary for the period September 16 to 30, 1928, inclusive.
 2. Please place to the credit of Mr. Friedman and acknowledge receipt.
 3. Power of Attorney has been deposited with your bank.
- For the Chief Signal Officer.

J. E. Hemphill,
Lt. Col., Signal Corps,
Executive.

1 incl.
ck.



REF ID: A66329
WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER.
WASHINGTON, D. C.

DRAFT OF CABLEGRAM
TRANSMITTAL BY THE ADJUTANT GENERAL REQUESTED
for the Chief Signal Officer.

J. E. Hemphill, Lt.Col., Signal Corps.
Executive.

OCSigO

Sent as Cablegram No. 184	Paragraph No. 9/25/28.	Sept. 24, 1928. Sent from Date Received back	File
------------------------------	---------------------------	---	------

Copies to be furnished
as noted

To: Military Attache,
Brussels.

For William F. Friedman. Reference cable
date proceed to Stockholm and return to London
connection Signal Corps code work. Transporta-
tion chargeable procurement authority DC two five
four P five naught naught six A nine dash nine.
Obtain receipts. Travel necessary military
service.

FILE
SIG. *Prub* DATE *9/28/28.*

201.-Friedman, William F.

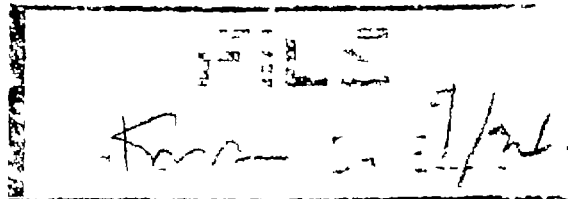
September 24, 1928.

MEMORANDUM FOR: Executive Officer.

It is recommended that the following cablegram be sent to William F. Friedman, through Military Attache, Brussels:

"Reference cable this date, proceed to Stockholm and return to London connection Signal Corps code work. Transportation chargeable Procurement Authority 33-254-P-5006-49-9. Obtain receipts. Travel necessary military service."

Civilian Personnel.



Brussels, Sept. 24.

Chief Signal Officer,
Washington.

Eighth and last plenary session Telegraph Conference Saturday ended with signing of protocol containing amendments to Paris Regulations effective October nineteen twenty-nine period New regulations maintain ten letter code word at present rates and definitely state conditions to which they must conform period New conditions will not cause scrapping present codes period Amended regulations also provide for new category of five letter code words with no restrictions as to formation at two thirds present charge in extra European regime and three fourths present charge in European regime period Under latter category unions of plain language words in five letter groups also admitted period Amended regulations will therefore not increase cost telegraphic communication to anybody comma if anything slight decrease may result from new class five letter words period Paragraph Reference OCSO letter September fourteenth regarding Aktiebolaget Cryptograph apparently no branch agencies and believe visit to Stockholm for first hand investigation of considerable value period Request telegraphic authority for travel Brussels to Stockholm and return to London period No subsistence required as will be on State Department subsistence until October fifth and visit Stockholm can be completed by that date period Request cable reply direct or through Military Attache Brussels Period.

FRIEDMAN.

REF ID:A66329

WAR DEPARTMENT

OFFICE OF THE CHIEF SIGNAL OFFICER

WASHINGTON

201 Friedman, Wm. F.

September 15, 1928.

American Security and Trust Company,
15th Street and Pennsylvania Avenue, N.W.,
Washington, D. C.

Gentlemen:

In accordance with the request of Mr. William F. Friedman, there is forwarded herewith United States Treasury check No. 678,166 in the sum of two hundred thirty-three dollars, for deposit to his credit. Mr. Friedman has advised this office that power of attorney has been deposited with your bank.

For the Chief Signal Officer.

J. E. Hemphill,
Lt. Col., Signal Corps.
Executive.

1 Incl.

FILE

SIG *Rmd* DATE 9/15/28.

September 11, 1928.

Dear General Gibbs,

I wish to report that the American Delegation of the United States of America to the International Telegraph Conference which convened in Brussels on September 10, 1928, arrived in Brussels on the afternoon of September 6, 1928, and is now quartered in the Palace Hotel where offices have been established for the conduction of the business of the American Delegation in connection with the Conference.

The consensus of opinion at the present moment is that no modifications in existing international regulations governing the exchange of code telegrams will be made by this Conference.

Respectfully yours,

X 201 - Friedman
Secretary, American Delegation,
International Telegraph Conference.

Major General George S. Gibbs,

Chief Signal Officer,

War Department,

Washington, D. C.

✓
201 Friedman, Wm. F.

WAR DEPARTMENT
 OFFICE OF THE CHIEF SIGNAL OFFICER
 WASHINGTON

August 31, 1928.

American Security and Trust Company,
 15th Street and Pennsylvania Avenue, N.W.,
 Washington, D. C.

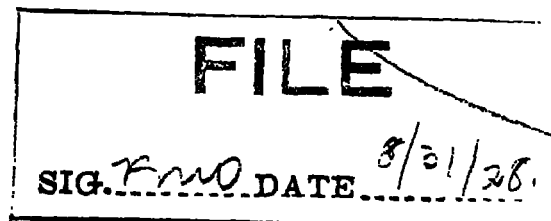
Gentlemen:

In accordance with the request of Mr. William F. Friedman there is forwarded herewith United States Treasury check 663,216 in the amount of two hundred thirty-three dollars and sixty-six cents, for deposit to his credit. Mr. Friedman has advised this office that power of attorney has been deposited with your bank.

Yours very truly,

J. E. Hemphill,
 Lt. Col., Signal Corps.
 Acting Chief Signal Officer of the Army.

1 Incl. - Check.



CROSS REFERENCE SHEETDate of
correspondenceFILE UNDER: X 201 - Friedman, W.F. ✓

8-23-28/

SYNOPSIS: Ltr. from Ft. Mon, N.J. requesting that Mr. Friedman be sent to the Signal School, ~~for~~ to give instructions on the course in cryptography. during the period from December 5 to the 20th inclusive, 1928.

1st Ind. CSO ~~11~~/ 8-27-28.PAPERS FILED UNDER: 352.11 - Code & Cipher.

IN REPLY
REFER TO

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

August 21, 1928.

Subject: Leave of Absence.

To: Executive Officer, through E. & R. Div.

1. Referring to the attached correspondence (OC Sig O 336.6, Int. Teleg. Conf. Brussels, 6-15-28), I report that I am leaving Washington with the American Delegation on Friday, August 24, sailing on the U.S.S. Leviathan on August 25 for France. The Delegation will spend three or four days in Paris, and is due to arrive in Brussels, Belgium, on September 5, 1928.

2. My address while attending the Conference will be as follows:

care/The Delegation of the United States to the
International Telegraph Conference,
Palace Hotel,
Brussels, Belgium.

3. It is expected that the Conference will last approximately three weeks, but it may extend beyond this time by a week.

4. Upon the conclusion of the Conference I desire to take all annual leave due me (26-6/14 days), traveling in Europe. Attached hereto is a request for leave of absence to cover the period while not on official duty in connection with the Conference. During this period my address will be:

care/U.S. Military Attache,
American Embassy,
Brussels, Belgium.

5. I have filed with the American Security and Trust Company of this city, and with the Treasury Department, power of attorney to endorse my pay checks. It is requested that my pay checks for the period of my absence be mailed to the American Security and Trust Company, with a memorandum requesting that said checks be credited to my account and noting that power of attorney for endorsement of the checks has been filed for that purpose with the bank and with the Treasury Department.

6. Attached hereto is a copy of my appointment as Technical Adviser to the American Delegation, including authority for travel.

7. It is requested that all personal mail addressed to me in care of this office be delivered to Miss Elizabeth Sandler, who will personally call for same from time to time.

William F. Friedman
William F. Friedman.

Attached:

- Copy of Appointment.
- Copy OC Sig O 336.6 Int.Tel.Conf.
- Leave slip.

1st Ind.

Research & Engineering Division, OCSigO, August 21, 1928. To: The
WFF:rac Executive Officer.

Noted.

RECEIVED
1928 AUG 21 AM 11 29
CHIEF SIGNAL OFFICER

John H. Gardner, Jr.
John H. Gardner, Jr.,
Captain, Signal Corps.

Attachments-
No change.

[Handwritten signature]

(COPY)

June 28, 1928.

Major William F. Friedman,
Signal Corps Reserve,
United States Army,
Washington, D.C.

Sir:

You are hereby designated a Technical Adviser to the Delegation of the United States of America to the International Telegraph Conference to be held at Brussels in the autumn of 1928.

While absent from Washington on work of the Conference you will be allowed your actual and necessary expenses of travel and a per diem of Twelve Dollars (\$12.00) in lieu of subsistence.

I am, Sir,

Your obedient servant,

(S) FRANK B. KELLOGG

PEA:VFD

REF ID:A66329

(COPY)

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

OO SigO 336.6 Int.Teleg.
Conf.Brussels (6-15-28)

June 25, 1928.

International Telegraph Conference at Brussels.

The Assistant and Chief Clerk, War Department, Washington, D.C.

1. With reference to your 1st Indorsement dated June 22, 1928, the necessary instructions have been given Mr. William F. Friedman, Cryptanalyst, Signal Service at Large, to assist the American delegation that will be sent to Brussels for the International Telegraph Conference.

For the Chief Signal Officer.

J. E. Hemphill,
Lt. Col., Signal Corps,
Executive.

(COPY)

w/ecc

1st Ind.

War Dept., Office A.& C.C., June 22, 1928. - To the Chief Signal Officer.

Referred for compliance.

By order of the Secretary of War:

(S) JOHN C. SCOFIELD

Assistant and Chief Clerk.

REF ID:A66329

(COPY)

ecc

June 22, 1928.

The Honorable
The Secretary of State,
Washington, D.C.

Sir:

The Department is in receipt of your letter of the 21st instant (SO 572 F 1/83), and has issued instructions for compliance with your request that Mr. William F. Friedman assist the American delegation that will be sent to Brussels for the International Telegraph Conference.

Sincerely yours,

(S) DWIGHT F. DAVIS

Secretary of War.

(COPY)

DEPARTMENT OF STATE

Washington

In reply refer to
SO 572 F 1/83
Friedman, Wm.F.

June 21, 1928.

The Honorable

The Secretary of War.

Sir:

As you have been informed in previous correspondence this Government has been advised that it will receive an invitation to send representatives to the International Telegraph Conference to be held at Brussels beginning September 10, 1928. The Conference will consider the Cortina Report and the question of rates on messages.

As Mr. William F. Friedman, Chief of the Code and Cipher Section, Signal Corps, assisted the American delegation at the International Radio Conference as technical adviser, last fall, it is believed that it would be desirable to have him assist the American delegation that will be sent to Brussels for the International Telegraph Conference. There will be a considerable amount of work to be done in preparation for the Conference. Arrangements have been made to hold a hearing at Room I, Chamber of Commerce Building, 1615 H Street, N.W., Washington, D.C., on June 25, 1928, at 10 a.m., and it is hoped that Mr. Friedman can participate in this meeting. A copy

of

-2-

of a statement issued to the press on June 15, 1928, with regard to the Conference is enclosed.

I shall be grateful if you will be so good as to inform me whether Mr. Friedman can be assigned from your Department as a technical adviser to assist the American delegation with its preparations for and participation in the International Telegraph Conference at Brussels.

I have the honor to be, Sir,

Yours obedient servant,

For the Secretary of State:

(S) W. N. CASTLE, Jr.

Assistant Secretary.

Enclosure:

Press statement.

A.G. 201 (8-17-28), new.
Friedman, William Frederick

GA 463

Absence from the United States.

August 20, 1928.

Through: Commanding General, Third Corps Area.

Major William Frederick Friedman, Sig-Res.,
c/o The American Delegation to the
International Telegraph Conference,
Palace Hotel,
Brussels, Belgium.

1. Receipt is acknowledged of your communication of August 17, 1928, reporting your contemplated absence from the United States for a period of approximately sixty days. Your foreign address has been recorded as the one used herein.
2. Kindly comply with the provisions of paragraph thirteen of the inclosed memorandum of information during your absence from the United States and notify this office through your corps area commander promptly upon your return, giving your permanent address.
3. Reserve officers while absent from the limits of the United States or its possessions are not eligible for training, promotion, or reappointment.

By order of the Secretary of War

I. H. ...
Adjutant General.

1 Incl.
Memo. of Inf.

Copy to: Chief Signal Officer. ✓
The Asst. Chief of Staff,
G-2.

1928 AUG 21 AM 10 33
CHIEF SIGNAL OFFICER

FILE
SIG ... HK ... DATE 8-26-28

CROSS REFERENCE SHEETDate of
correspondenceFILE UNDER. 201 Friedman William F. ✓

6-25-28

SYNOPSIS: International Telegraph Conference at Brussels.
To Asst. and Chief Clerk, War Dept. Wash. D.C.

With reference to your 1st Ind. 6-22-28, the necessary instructions have been given Mr. William F. Friedman, Cryptanalyst, Signal Service at Large, to assist the American Delegation that will be sent to Brussels for the International Telegraph Conference.

PAPERS FILED UNDER: 336.6. Int. Nat. Teleg. Conf. Brussels. 6-15-28
6-15-28

REF ID: A66329
CROSS REFERENCE SHEET

Date of
correspondence

FILE UNDER

5-3-28

~~461- Articles for Publication~~
~~K-321.2 The Adjutant General~~
✓ X-201- Friedman, William F.

SYNOPSIS

Let this office to AGO. inclosing article on codes and ciphers written by Mr. William F. Friedman, Cryptanalyst of the Signal Corps. Recommend that permission be granted Mr. Friedman to submit this article for publication in the Encyclopedia Britannica.

PAPERS FILED UNDER

461 Codes. (Gen.)

WAR DEPARTMENT
Office of the Chief Signal Officer
Washington

In Reply
Refer To

OCSC-201-Friedman, William Frederick
Personnel Div. (1-17-28)

January 17, 1928.

Subject Reappointment in Officers' Reserve Corps.

To **Major William F. Friedman, Sig-Res.,**
3932 Military Road,
Washington, D. C.

1. The inclosed IMPORTANT NOTICES, pertaining to the Officers' Reserve Corps, are forwarded for your information and should be read over carefully, especially so much as concerns reappointment.
2. The records of this office show that your current five year term of appointment expires on **December 6, 1930.**
3. Unless you are now eligible for reappointment with full privileges as proscribed under the provisions of the revised policies of July 8, 1927, it is suggested that you take immediate steps to qualify, so that at the proper time this office will be able to recommend to The Adjutant General your reappointment in present grade and section with full privileges of assignment, active duty training and promotion in peace time during the five year period of appointment immediately following your current one.

By order of the Chief Signal Officer

John H. Hinemon, Jr.

John H. Hinemon, Jr.,
Major, Signal Corps.

2 Incls.
Revised Policies of July 8, 1927.
Schedule of Hours of Credit.

FILE

SIG

DATE



HEADQUARTERS

ADDRESS THE COMMANDANT, U. S. COAST GUARD

AND REFER TO NO.

CO-705

TREASURY DEPARTMENT

UNITED STATES COAST GUARD

WASHINGTON

27 December, 1927.

701

From: Commandant.
To: Major W.F.Friedman, Signal Corps, U.S.Army (via Chief
Signal Officer of the Army).

Subject: Lecture at Coast Guard Academy.

I. The Superintendent of the Coast Guard Academy, New London, Conn., has advised me of the interesting and instructive lecture delivered by you at that institution on December 16th. Headquarters values the benefit derived by the officers and cadets from such talks as given by you, and I wish to express my appreciation of your interest and courtesy in delivering the lecture.

F. C. BILLARD
Rear Admiral, U.S.Coast Guard.

RECEIVED

1927 DEC 28 PM 12 13

OFFICE
CHIEF SIGNAL OFFICER

IN REPLY REFER TO

WAR DEPARTMENT
^{hrs}
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

December 15, 1927.

Subject: Salary check.

To: Mr. William F. Friedman, Care Commanding Officer, Fort Monmouth,
Oceanport, New Jersey,

1. Enclosed find check No. 477,789 dated December 15, 1927, on the
Treasurer of the United States, for \$216.67 covering your salary for the per-
iod December 1 to 15, inclusive.

2. Please acknowledge receipt.

J. E. Hemphill
J. E. Hemphill,
Lt. Col., Signal Corps,
Acting Chief Signal Officer of the Army.

1 incl.

1st Ind.

W.F.F. to O.C.S.O. Washington, D.C. Dec. 16, 1927.

*Receipt of above mentioned check is
acknowledged.*

RECEIVED
DEC 17 AM 10 33

William F. Friedman

FILE
SIG *Kurz* DATE *12-17*

✓
OCSigO.201-
Friedman, Wm. F.

JG:ifs
December 12, 1927.

Code Books.

Major Wm. F. Friedman, Sig. Res.,
The Signal School, Ft. Monmouth, N.J.

1. Enclosed herewith is one copy of Bentley's Complete Phrase Code, and one copy of the Army Commodity and Phrase Code, which Mrs. Friedman stated you desired forwarded to you.

By order of the Acting Chief Signal Officer:

Wm. R. Blair,
Major, Signal Corps.

✓
2 Incls-
(Code Books as listed.)



Orders.

The Adjutant General.

1. It is recommended that orders be issued directing the assignment to active duty from December 8, 1927 to December 19, 1927, both dates inclusive, of Major William Frederick Friedman, Signal Corps Reserve, (O-166764), Branch Assignment Group, and that he be directed to proceed to Fort Monmouth, New Jersey, reporting in person upon arrival to the Commanding Officer for training and upon conclusion to return to his home and inactive status.

2. Attention is invited to the inclosed certificate from Major Friedman consenting to the duty herein recommended and to the effect that he has had no prior active duty during the current fiscal year.

3. Pay and allowances are chargeable to PD 619 P 2717 A 3190-8.

4. Mileage is chargeable to PD 574 P 5042 A 3190-8.

5. Funds are available and sufficient under the above cited procurement authorities.

6. Cost estimate attached.

For the Chief Signal Officer.

John H. Hineman, Jr.,
Major, Signal Corps.

2 Incls.
Certificate
Cost estimate

COPY TO: Commanding General, 2nd Corps Area)
Commanding General, 3rd Corps Area) as information.
Commanding Officer, Fort Monmouth, N.J.)

SIG
HS
D.A. 10-11-27

IN REPLY
REFER TO
Training Div.

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

September 24, 1927.

MEMORANDUM FOR: Personnel Division.

1. It is requested that Major William F. Friedman, Sig-Res., be ordered to Fort Monmouth, N.J. for active duty training for the period December 6 to 19 inclusive.

RECEIVED
1927 SEP 24 AM 11 10
OFFICE
OF THE CHIEF SIGNAL OFFICER

P. W. Evans
P. W. Evans,
Major, Signal Corps.

COPY

DEPARTMENT OF STATE
WASHINGTON

October 10, 1927.

711
Major William F. Friedman,
War Department,
Washington, D.C.

Sir:

You are hereby designated a Technical Adviser to the
Delegation appointed by the President to represent the Government
of the United States at the International Radiotelegraph Conference
to be held in Washington beginning October 4, 1927.

I am, Sir,

Your obedient servant,

(Signed) Frank B. Kellogg.

CROSS REFERENCE SHEET.

DATE OF
CORRESPONDENCE

Oct. 3, 1927.

FILE UNDER: X201 - Friedman, Wm. F.

SYNOPSIS: named as technical adviser, to be attached to the American Delegation to the International Radiotelegraph Convention. (1927)

PAPERS FILED UNDER: 336.6 - Int. RadioTel. Conv.

CROSS REFERENCE SHEET.

DATE OF
CORRESPONDENCE

9-13-27

FILE UNDER: ✓ X-201-Friedman, William F.

SYNOPSIS: Let. from Signal School, Fort Monmouth, N.J. rel. to Instruction in Codes and Ciphers. Req. Major Wm. F. Friedman, Signal Reserve be ordered to duty at the Signal School, and authorized to communicate directly with the Asst. Comndt. regarding details of his instruction.

1st Ind. OCSigO to Comdt. The Sig. Sch. Ft. Mon. N.J. Above instructions complied with.

PAPERS FILED UNDER: 352.11-Code Ciphers.

201-Friedman, Wm.F.(Sig-Res)6-20-27

2nd Ind

W. D., OCSigO. Washington, July 22, 1927. To: Major William F. Friedman, Sig-Res., 3932 Military Road, Washington, D. C.

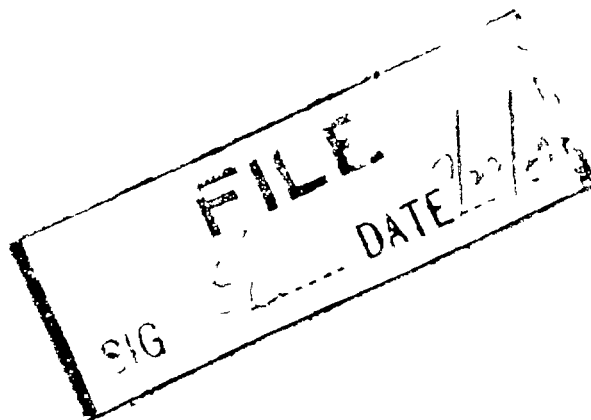
1. It is expected that the Commandant, Signal School, will again request your services as instructor as in the past and that favorable action will be taken at the proper time on your request contained in 1st indorsement.

By order of the Chief Signal Officer:

J E Hemphill,
Lt. Col., Signal Corps,
Executive.

WR

1st Ind. from Major F: Can train last weeks in Dec. at Signal School as instructor



CROSS REFERENCE SHEET

DATE OF
CORRESPONDENCE

6-14-27

FILE UNDER

X-201-Friedman, William F. ✓

X-201-Skelly, James J.

SYNOPSIS

Memo. from Col. Hemphill to O.I.C. E&R Division, stating that effective July 1, 1927, the above named employees in the Signal Service at Large, this city, will be transferred to the payroll maintained in the Signal Corps Laboratory.

PAPERS FILED UNDER

248.2 Payroll

CROSS REFERENCE SHEET.

DATE OF
CORRESPONDENCE

5-27-27

FILE UNDER:

X-201-Freidman, William F. (Major) ✓
X-461-Codes (Gen.)
X-321.1

SYNOPSIS:

Let. from Col. Hemphill to A.C. of S. G-2, forwarding a copy of report rendered by Major William F. Freidman, cryptanalyst, in connection with his activities as Officer in Charge of the cryptographic section, G-2, in the Joint Army and Navy Exercise, May 17-21, 1927.

PAPERS FILED UNDER:

354.2-A.W.C.

201-Friedman, William F.

1st Ind.

rnk

War Department, OCSigO, Washington, May 26, 1927. To the Finance Officer, U. S. Army,
Washington, D. C.

Recommending settlement.

For the Chief Signal Officer.

J. E. Heaphill,
Lieut. Colonel, Signal Corps,
Executive.

3 Incls.

Orders 3

Authority of Secwar.²

Transportation request.²

Voucher in amount of \$85.50 covering travel from Washington, D. C., to
Fort Adams, R. I., from May 8 to 22 Incl.

FILE

SIG. *R.H.S.* DATE *5/27/27*

IN REPLY REFER TO

201.-Friedman, William F.

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

May 16, 1927.

Subject: Salary check.

To: William F. Friedman, Cryptanalyst, S.S.L.,
c/o Commanding Officer, Fort Adams, Rhode Island.

1. Inclosed is check No. 323,001 in the amount of \$216.67 covering salary for the period May 1 to 15 inclusive.

2. Please acknowledge receipt hereon.

By order of the Chief Signal Officer:

J. E. Hemphill
J. E. Hemphill
Lieut. Colonel, Signal Corps,
Executive.

1 incl.
Check No. 323,001.

1st Ind.

To OCSO Washington 18 May 27

Received check as per above

William F. Friedman

Cable

CHIEF SIGNAL OFFICER
27 MAY 19 27 3 25

RECEIVED

✓
 201.-Friedman, William F.

May 7, 1927.

Orders.

William F. Friedman, Cryptanalyst, S.S.L.
 (From the OIC, Engineering and Research Division)

1. Pursuant to authority of the Secretary of War dated May 6, 1927, you will proceed from Washington, D. C., to Fort Adams, R. I., arriving there on or about May 8, 1927, reporting on arrival, by letter, to the Commanding General, First Corps Area, and, in person, to the Commanding Officer, Ft. Adams, R. I., for temporary duty for a period not to exceed 15 days in connection with code and cipher work incident to the joint maneuvers to be held in May, and upon completion thereof you will return to Washington, D. C.

2. While enroute and on this temporary duty you will be allowed a flat per diem of \$6.00, in lieu of subsistence, in accordance with provisions of existing regulations, chargeable to Procurement Authority SC 263-P-5056-19-7. All vouchers covering any part of expenses incurred while traveling under these orders should be submitted, in triplicate, to the Office of the Chief Signal Officer for certificate regarding availability of funds.

3. The Quartermaster Corps will furnish the necessary transportation chargeable to Procurement Authority SC same P-5056.

4. The travel directed herein is necessary in the military service.

J. E. Houghill
 Lieut. Colonel, Signal Corps,
 Acting Chief Signal Officer of the Army.

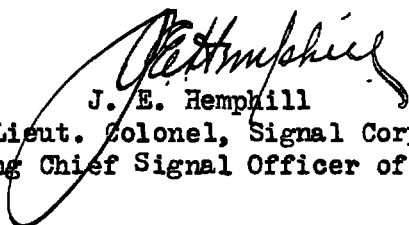
Orders sent to
 O. G. 1" Ca
 P. O. Ft Adams
 S. O. 1" Ca

FILE	
S. G. <i>Kum</i>	DATE <i>5/7</i>

F

201.-Friedman, William F. 2nd Ind. kml
War Department, OCSigO, Washington, May 6, 1927. - To the Secretary of War.

1. It is recommended that foregoing authority for travel of Mr. Friedman be amended and that this office be authorized to direct him to proceed from Washington, D. C., to Fort Adams, R. I., and return to Washington, D. C. Purpose of the trip and duration of temporary duty is same as stated.
2. The estimated cost of the travel now requested is \$133.74.


J. E. Hemphill
Lieut. Colonel, Signal Corps,
Acting Chief Signal Officer of the Army.

WAR DEPARTMENT
Approved MAY 6 - 1927

By order of the Secretary of War:


Assistant and Chief Clerk.

CIVILIAN PERSONNEL DIV.

WAR DEPARTMENT
WASHINGTON

WAR DEPT.

Signal

April 6, 1927.

(Bureau)

(Date)

Subject: Travel order for civilian employee.

To: The Secretary of War.

(1) It is recommended that this office be authorized to issue travel order as follows:

(2) Name of employee: William F. Friedman

(3) Designation: Cryptanalyst, S.S.L.

(4) To travel from Washington, D. C. to Boston, Mass. and return.

(5) Purpose of the trip: (To be stated fully.)

Code and cipher work in connection with the joint maneuvers to be held during the month of May

(6) Is the travel requested absolutely necessary in the public service at this time and impracticable of postponement without detriment to the public service? Yes

(7) Probable duration and estimate of cost, including transportation, of the trip: 15 days - \$135.86

(8) It is recommended that this employee be allowed, in lieu of subsistence, a flat per diem of \$ 6.00 while traveling and on the temporary duty involved, in accordance with the provisions of existing regulations.

(9) It is recommended that this employee be reimbursed for actual expenses of subsistence, not to exceed \$ per diem, in accordance with existing regulations.

For the Chief of Bureau:

Note: Check par. (8) or (9) according to the recommendation intended.

J. E. Hemphill
Lieut. Colonel, Signal Corps,

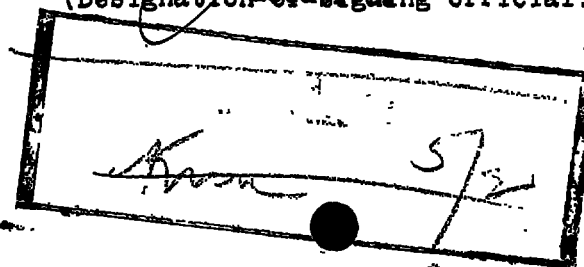
(Designating official.)

WAR DEPARTMENT

Approved APR 6 1927

By order of the Secretary of War:

John C. Scobell
Assistant and Chief Clerk



201- Friedman, Wm F.
X 354.2 (not ea.) WFC

WAR DEPARTMENT
Office of The Chief Signal Officer

Serial No. 43.

Date: May 5, 1927.

MEMORANDUM FOR: Executive Officer. (Thru Fiscal Division.)

1. It is requested that travel orders be issued for:

- (a) Name: Wm. F. Friedman
- (b) Designation: Cryptanalyst
- (c) From: Washington, D.C.
- (d) To: Ft. Adams, R.I.
- (e) Temporary duty or change of station: Temporary duty
- (f) Per diem authorized for 15 days
- (g) Purpose: Attend Army-Navy Maneuvers at Narragansett Bay.

2. Cost of travel will be charged as follows:

(a) Reimbursement of traveling expenses:

Allotment	Sub-allotment	Estimated cost
SC-263-P-5056-A9-7		\$90.00

(b) Transportation:

Allotment	Sub-allotment	Estimated cost
SC-263-5006-A9-7		43.74

Total estimated cost \$133.74

3. Funds are available for the payment of expenses incident to travel requested herein.

4. Remarks: Travel should begin on or about May 7, 1927.

CHARGED TO	5/5/27
<i>E + P. DW</i>	
Transportation Account	
Fiscal Section	
Per	<i>Joe</i>

Engineering & Research Division

BY:

J. O. Mauborgne
J. O. Mauborgne,
Lieut. Colonel, Signal Corps

IN REPLY
REFER TO

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON *Jgh; ifs*
May 5, 1927.

MEMORANDUM FOR: The Executive Officer.

1. With regard to your request for information as to the wording of Mr. Friedman's orders, it is recommended that they read to report to the Commanding Officer, Fort Adams, R.I., for duty in connection with the Joint Army and Navy Exercises.

J. O. Mauborgne
J. O. Mauborgne,
Lieut. Colonel, Signal Corps.

RECEIVED
127 MAY 5 PM 3 49
CHIEF SIGNAL OFFICER

W. H. Flynn
Change as shown
W

Colonel Humphill
 just, "ca" 16-21

Major Lowe called
 + says the request for
 Freedman to go to
 bot CA for the numerous
 is approved. Also
 Freedman felt 15 days
 would be required, +
 the AG has the approval
 of bot CA changing 10 to
 15 days -

Major Lowe understands
 we will initiate request
 for Freedman's orders -
 from May 7 to May 22.
 He also understands we
 furnish the funds for the
 trip - done

FORM NO 80 1184-A

SIGNAL CORPS U. S. ARMY

MESSAGERECEIVED
War Department Message Center,
Room 3433 Munitions Building.R
E
C
E
I
V
E
D

Via

To

Place

Place

LEASED WIRE

32 GI BR 25 WAR

BOSTON MAS 250P MAY 4 1927

CHIEF SIGNAL OFFICER
WASHINGTON DC

REFERENCE YOUR LETTER APRIL THIRTIETH REQUEST ORDERS FOR WILLIAM FRIEDM
 -AN CRYPT-ANALYST BE AMENDED TO REQUIRE HIM REPORT DIRECT TO FORTADAMS
 RI INSTEAD OF TO BOSTON

BROWN

435P

34

 1927 MAY 5 PM 9 52
 REC'D
 FILE SIG. ALTE OFF.

Pers

 E & R recommends I get by into
 to CG

IN REPLY REFER TO

201.-Friedman, William F.

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

April 30, 1927.

Subject: Orders.

To: William F. Friedman, Cryptanalyst, S.S.L.
(Thru the OIC, Engineering and Research Division)

1. Pursuant to authority of the Secretary of War dated April 6, 1927, you will proceed from Washington, D. C., to Boston, ~~Mass.~~ ^{Mass.} arriving there on or about May 8, 1927, and reporting on arrival to the Commanding General, First Corps Area, for temporary duty for a period not to exceed 15 days in connection with code and cipher work incident to the joint maneuvers to be held in May, and upon completion thereof you will return to Washington, D. C. *his* *71* *Adams* *R.D.*

2. While enroute and on this temporary duty you will be allowed a flat per diem of \$6.00, in lieu of subsistence, in accordance with provisions of existing Army Regulations, chargeable to Procurement Authority SC 263-P-5056-A9-7. All vouchers covering any part of expenses incurred while traveling under these orders should be submitted, in triplicate, to the Office of the Chief Signal Officer for certificate regarding availability of funds.

3. The Quartermaster Corps will furnish the necessary transportation chargeable to Procurement Authority SC same P-5006.

4. The travel directed herein is necessary in the military service.

RECEIVED
1927 APR 30 PM 1 13
U.S. SIGNAL OFFICER

J. E. Hemphill
J. E. Hemphill
Lieut. Colonel, Signal Corps,
Acting Chief Signal Officer of the Army

CROSS REFERENCE SHEET.

DATE OF
CORRESPONDENCE

3-15-27

FILE UNDER: X-201-Friedman, William

SYNOPSIS: Let. from Hdqrs. 1st C.A. to AGO recommending that Mr. William Friedman be sent to Ft. Adams for a period of 10 days beginning May 12th, to form a code and cipher section under G-2 of the Blue Commander, at the joint Army & Navy Maneuvers, May 16, 1927.

2nd Ind. OCSig^O to AGO. recommending Mr. Friedman be sent as civilian adviser in charge of the section. (3-22-27)

PAPERS FILED UNDER: 354.2 A.W-C (1st CA) 3-15-27

201-Friedman, William Frederick
78 (12-30-26)

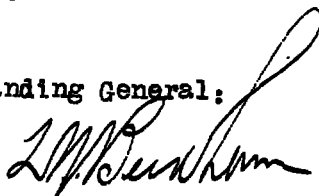
2d Ind

1

HQ THIRD CORPS AREA, Baltimore, Md, January 4, 1927 - To The Chief Signal Officer, War Department, Washington, DC.

1. Inclosed are three efficiency reports on Major William Frederick Friedman, Sig-Res.

For the Commanding General:



S. Y. BECKHAM
Lt. Col., A. G. B.
Asst. Adjt. General

3 incls
efficiency reports

RECEIVED
1927 JAN 6 AM 10 23
SIGNAL OFFICE

FILE
SIG *HK* DATE *1/27*
Incl Witherson.

B.A.
Noted.
PHEADQUARTERS THIRD CORPS AREA
UNITED STATES ARMY
BALTIMORE MARYLAND

December 30, 1926.

201-Friedman, William Frederick (12-30-26)
78

Subject: Personal Records of Reserve Officer.

To: The Chief Signal Officer,
War Department,
Washington, D. C.

1. Information is requested as to the assignment group to which Major William F. Friedman, Signal Corps Reserve, 3932 Military Road, Washington, D. C., has been assigned.

2. In the event that he has been assigned to the Territorial Assignment Group it is requested that his personal records be forwarded to this headquarters.

For the Commanding General:


B. Y. SECREST
Maj. Gen., A. G. S.
Asst. Adjt. GeneralRECEIVED
1926 DEC 31 AM 10 15
OFFICE
CHIEF SIGNAL OFFICER

CCSO-201-Friedman, William F. (12-30-26). 1st Ind.

War Department, O.C.S.O., January 3, 1927 - To The Commanding General, Third Corps Area, Baltimore, Maryland.

1. The above named Signal Corps Reserve Officer is assigned to the Branch Assignment Group.

For the Chief Signal Officer:


John H. Hineman, Jr.,
Major, Signal Corps.

IN REPLY REFER TO

WAR DEPARTMENT
OF THE CHIEF SIGNAL OFFICER
WASHINGTON

December 15, 1926.

Subject Salary check.

To. Mr. William F. Friedman, Care The Signal School, Ft. Monmouth, N. J.

1. Enclosed please find check No. 210,599 on the Treasurer of the United States, dated December 15, 1926, for two hundred sixteen dollars and sixty-seven cents (\$216.67) covering your salary for the period December 1 to 15, 1926, inclusive.

2. Please acknowledge receipt.

By order of the Chief Signal Officer.

FILE
SIG *Kmv* DATE *12/17*

J. E. Hemphill
J. E. Hemphill,
Lt. Col., Signal Corps,
Executive.

1 incl.
ck.

1st Ind

To OCSO Dec 16, 1926

Receipt of foregoing check is acknowledged

William F. Friedman

(Ft Monmouth, N.J.)

1926 DEC 16
CHIEF SIGNAL OFFICER
RECEIVED

WAR DEPARTMENT
REF ID: A66329
OFFICE OF THE CHIEF SIGNAL OFFICER

WASHINGTON

December 15, 1926.

Salary check.

Mr. William F. Friedman, Care The Signal School, Ft. Monmouth, N. J.

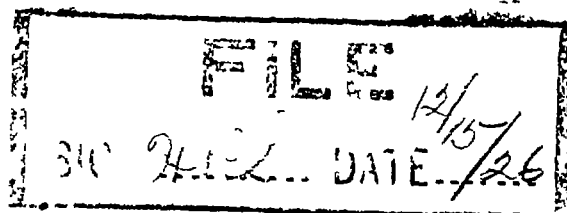
1. Enclosed please find check No. 210,589 on the Treasurer of the United States, dated December 15, 1926, for two hundred sixteen dollars and sixty-seven cents (\$216.67) covering your salary for the period December 1 to 15, 1926, inclusive.

2. Please acknowledge receipt.

By order of the Chief Signal Officer.

J. E. Hemphill,
Lt. Col., Signal Corps,
Executive.

1 incl.
ok.



CCSO-201-Friedman, Wm. Frederick. ✓
 Personnel Division (11-8-26).

November 8, 1926.

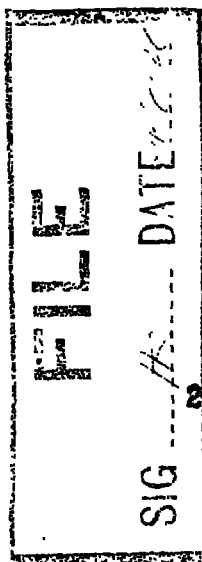
X 353 (R.O) Orders.
 X 352 - Ft. Mon, N.J.
 X 210.631 - " " The Adjutant General.

1. It is recommended that orders be issued directing the assignment to active duty commencing December 8, 1926, for a period of fifteen days training of Major William Frederick Friedman (O-165764), Signal Corps Reserve, and that he be directed to proceed to Fort Monmouth, New Jersey, reporting upon arrival to the Commanding Officer for the purpose of giving a course of lectures on military codes and ciphers, and upon conclusion to return to his home and inactive status.
2. Major Friedman is in the Branch Assignment Group, and has consented to the duty recommended.
3. Certificate to the effect that Major Friedman has not had prior active duty during the current fiscal year is attached.
4. Mileage is chargeable to FD 660 P 5042 A 3190-7 (Second Quarter).
5. Pay and allowances are chargeable to FD 595 P 2717 A 3190-7 (Second Quarter).
6. Funds are available and sufficient under the above cited procurement authorities.
7. Cost estimate attached.

For the Acting Chief Signal Officer:

J. E. Hemphill,
 Lieut. Colonel, Signal Corps.

2 Incls.
 Certificate
 Cost Estimate



IN REPLY
REFER TO

201-Friedman, Wm.F. (11-5-26)

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

November 5, 1926.

MEMORANDUM to: Personnel Officer.

1. It is recommended that orders be requested directing Major Friedman to proceed to Ft. Monmouth and report to the Commandant, Signal School, for active duty for the fifteen-day period requested.

2. Attention is invited to the attached correspondence designating Major Friedman for instructor in Codes and Ciphers, Company Officers Course, for the above mentioned period.



P. W. Evans,
Major, Signal Corps.

2 encls.
File 210.631
let. from Major Friedman

Washington, D.C.,
November 4, 1926.

This is to certify that I have not been on active duty during the fiscal year 1926-27 and request that I be ordered to active duty for a 15-day period commencing December 8, 1926.

William F. Friedman
Major, Signal Reserve.

✓

WAR DEPARTMENT

201-Friedman, Wm.F. (11-5-26)

OFFICE OF THE CHIEF SIGNAL OFFICER

WASHINGTON

November 5, 1926.

MEMORANDUM to: Personnel Officer.

1. It is recommended that orders be requested directing Major Friedman to proceed to Ft. Monmouth and report to the Commandant, Signal School, for active duty for the fifteen-day period requested.

2. Attention is invited to the attached correspondence designating Major Friedman for instructor in Codes and Ciphers, Company Officers Course, for the above mentioned period.

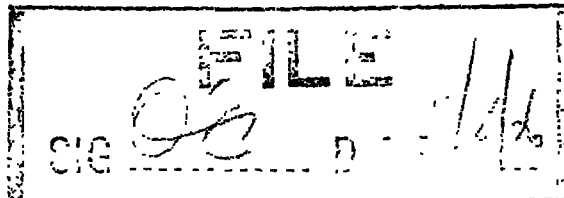
2 encs.

File 210.631

let. from Major Friedman

H. H. ... W.F. (6/30/26.)
P. I. Evans,
Major, Signal Corps.

WR



CROSS REFERENCE SHEET.DATE OF
CORRESPONDENCE

6-22-26

FILE UNDER:

X 201 Friedman W. E.

SYNOPSIS:

Special instructor in Codes and ciphers. period Dec. 16-23 1926.
Req. for special instructor in codes and ciphers so that annual schedule
may be completed.
olst Ind. 6-30-26 to Commandant Monmouth., Recommendation as contained
in par 2, basic is approved.

PAPERS FILED UNDER:

210.631 Ft. Monmouth NJ.

Signal Office
(Bureau or Office)

PUBLIC VOUCHER

REIMBURSEMENT OF TRAVELING EXPENSES

Appropriation ARMY TRANSPORTATION 1926 RAIL Symbol _____ \$ _____
 Appropriation SC 252 P 5056 A 9-6 Symbol _____ \$ _____
 Appropriation _____ Symbol _____ \$ _____

THE UNITED STATES,

TO William F. Friedman, Cryptanalyst, C.S.D., DR.

Address: Office of the Chief Signal Officer

FOR REIMBURSEMENT OF TRAVELING EXPENSES incurred in the discharge of official duty from
March 20, 1926, to March 26, 1926, under written authorization
 from the Chief Signal Officer, dated March 19, 1926
 a copy of which is attached as per itemized schedule below.

U. S. NOTATIONS

Paid
\$20.00

Amount claimed, \$ _____

OBJECT SYMBOL	DATE '26	SCHEDULE OF EXPENDITURES	SUB-VOUCHER NO.	AMOUNT	U. S. NOTATIONS
	21	Left Washington, D.C. 12:25 A.M.			
	21	Arrived New York City 7 A.M.			
	22	Left New York City 9 A.M.			
	22	Arrived Port Monmouth, N. J. 12 M			
	26	Left Port Monmouth, N.J. 1:30 P.M.			
	26	Arrived New York City 3:30 P.M.			
	28	Left New York City 1:00 P.M.			
	28	Arrived Washington, DC 6:30 P.M.			
<p>5 1/2 days @ \$4.00 per diem No per diem allowed for time spent in New York City</p>				22.00	<i>\$20.00</i>

MEMORANDUM OF TRAVEL PERFORMED UPON TRANSPORTATION REQUESTS

Examined by _____

DATE OF TRAVEL	NO. OF TRANSPORTATION REQUEST	FROM—	TO—	VIA R. R.	AMOUNT	U. S. NOTATIONS
		Army Finance Office, Washington, D. C.				
		Date <u>4-9-1926</u> , Paid on Voucher No. <u>2158</u>				
		Money Accts. of <u>E.T. Comegys, Major F.D.</u>				

I DO SOLEMNLY * _____ that the above account and schedule are correct in all respects; that the distances as charged have been actually and necessarily traveled by me on the dates therein specified; that the amounts as charged have been actually paid by me for traveling expenses; that no part of the account has been paid by the United States, but the full amount is due; that all expenditures included in said account other than my own personal traveling expenses were made under urgent and unforeseen public necessity; and that it was not, for the reasons stated herein, feasible to have such expenditures paid directly by a disbursing officer.

Payee: _____

(Do not sign in duplicate)
 Cryptanalyst, C.S.D.

Subscribed and _____ to before me at _____, this _____ day of _____, A. D. 191 _____

*Swear or affirm. †Sworn to or affirmed.

I CERTIFY that the above account is correct, that the travel was performed, and that it was necessary for the public service.

APPROVED FOR \$ _____

Date: _____

Title: _____

Paid by check No. _____, dated _____, 191 _____, of _____

on _____, in favor of payee named above, for \$ _____

OR

Received _____ (Date) of _____ in CASH, the sum of _____

_____ dollars and _____ cents in full payment of the above account.

\$ _____

MEMORANDUM OF TRAVEL PERFORMED UPON TRANSPORTATION REQUESTS

Examined by

DATE OF TRAVEL	NO. OF TRANSPORTATION REQUEST	FROM	TO	VIA	REF ID: A66329	U. S. NOTATIONS
		Army Finance Office, Money Accts. of	Office, Washington, D. C. Paid on Vou. No. 2158 E.T. Comegys, Major F.D.			

I DO SOLEMNLY * that the above account and schedule are correct in all respects; that the distances as charged have been actually and necessarily traveled by me on the dates therein specified; that the amounts as charged have been actually paid by me for traveling expenses; that no part of the account has been paid by the United States, but the full amount is due; that all expenditures included in said account other than my own personal traveling expenses were made under urgent and unforeseen public necessity; and that it was not, for the reasons stated herein, feasible to have such expenditures paid directly by a disbursing officer.

Payee:

(Do not sign in duplicate)
Cryptanalyst, S.S.L.

RECEIVED
APR 26 1912
OFFICE SIGNAL OFFICER
ADM O 12

Subscribed and † to before me at _____ day
of _____ A. D. 191

*Swear or affirm. †Sworn to or affirmed.

I CERTIFY that the above account is correct, that the travel was performed, and that it was necessary for the public service.

APPROVED FOR \$

Date:

Title:

Title:

FILE 5/12
SIGNATURE DATE

Paid by check No. _____, dated _____, 191 _____, of _____
on _____, in favor of payee named above, for \$ _____

OR

Received _____ of _____ in CASH, the sum of _____
(Date) dollars and _____ cents in full payment of the above account.

\$ _____

PUBLIC VOUCHER NO. _____
_____**WAR DEPARTMENT**(Bureau or Office)
_____**APPROPRIATION:**(State full title of appropriation)

AMOUNT, \$ _____

IN FAVOR OF

(Name of payee)
_____**FOR REIMBURSEMENT OF
TRAVELING EXPENSES**

ACCOUNTS OF

(Name of disbursing officer)
_____(Official designation)
_____(Place where located)
_____(Period for which voucher is rendered)

HEADQUARTERS THIRD CORPS AREA
 UNITED STATES ARMY
 Baltimore, Maryland

December 4th, 1925.

CERTIFICATE OF CAPACITY

1 CAPTAIN WILLIAM FREDERICK FRIEDMAN : 9-106764,

SIGNAL CORPS RESERVE,

has satisfactorily completed the required examination and practical test provided for in paragraphs 52 and 53, AR 140-5, W D., 1924, and is deemed to have the necessary professional qualifications to perform the duties and to assume the responsibilities of the grade of MAJOR, SIGNAL CORPS RESERVE.

By command of Major General SUGARBAUM,

D. T. NECKHAM,
 Lieutenant Colonel, Adjutant General's Department,
 Assistant Adjutant General.

Copy for
 Capt. Friedman
 The AG
 Chief Sig Off (2) ✓
 201 File

FILE	
SIG <u> </u>	DATE <u>4-19-26</u>

AS 201 Friedman, W.F. (Civ. Emp)
(4-3-26) Miscel. -B

2d Ind.

EW-OLW

War Dept., A.G.O., April 15, 1926 - To the Chief Signal Officer.

There is no objection to the private publication of the inclosed
manuscript.

By order of the Secretary of War:

Livingston Watrous

Adjutant General.

1 incl.

file
W.F.F.

201-Friedman, William F.

1st Ind.

rpk

War Department, CGSO, Washington, April 6, 1926. To: The Finance Officer,
U.S. Army, Washington, D. C.

Recommending settlement.

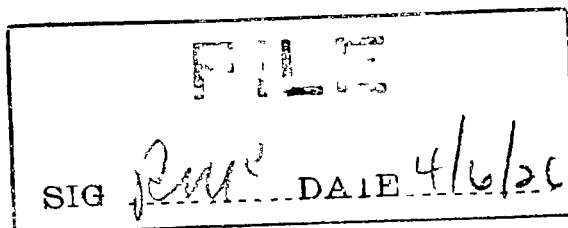
For the Chief Signal Officer.

Alvin C. Voris,
Lieut. Colonel, Signal Corps.

3 Incls.

Request for Orders²Orders²Transportation Certificate²

Basic - Voucher for travel to New York and Ft. Monmouth and return covering
5½ days - \$22.00.



April 3, 1926.

The Adjutant General of the Army
(Through Channels)

1. The enclosed copy of the manuscript of a booklet entitled "The Cipher Problem Book" was prepared by the undersigned during leisure moments outside of office hours. It contains no references, direct or indirect, to any cryptographic systems in use, past or present, by the War Department, by any other branch of this government or any other government. It is not believed to contain any matter which might be considered to be prejudicial in any way to the interests of the government.

2. It is requested that the manuscript be examined with a view to determining whether the War Department would have any objection to its publication as a personal project, by a commercial publishing firm.

Enc.-
Mes. of booklet.

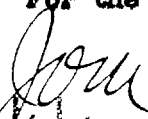
V. F. FRIEDMAN,
Cryptanalyst, O.C.S.O.

1st Ind.

O.C.S.O., War Dept., Wash., D.C., April 7, 1926. To - The
Adjutant General.

1. The manuscript has been carefully examined and this office has no objection to its private publication as proposed.

For the Acting Chief Signal Officer:



Alvin C. Voris,
Lieut. Colonel, Signal Corps.

1037 Enc. 1
No change.

OCSO 201 Friedman, W.F.

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
20V-30
WASHINGTON

March 18, 1926.

MEMORANDUM for Colonel James B. Allison, S.C.,
Commanding Officer, Fort Monmouth, N. J.

1. Orders are being issued for Mr. William F. Friedman, Signal Service at large (Major, Signal-Reserve), to proceed to your post for duty for a period of one week.

2. The purpose of sending Mr. Friedman to your post is for him to gather material by which he may write a popular article, with a view to its acceptance by a magazine, on the training of enlisted men and its value to the nation. He will undoubtedly require a number of photographs to illustrate the article properly. It is requested that you give him such assistance as is practicable in the premises.

By order of the Chief Signal Officer.

Alvin C. Voris,
Lt. Col., Signal Corps.

X 353 - Recd.

FILE	
SIG Pmo	DATE 3/18/26

IN REPLY REFER TO

WAR DEPARTMENT,
U.S.
 OFFICE OF THE CHIEF SIGNAL OFFICER,
 WASHINGTON.

December 15, 1925.

Subject: Salary check.

To: Mr. William F. Friedman, Fort Monmouth, Oceanport, New Jersey.

1. There is inclosed, herewith, check No. 851966 dated December 15, 1925, on the Treasurer of the United States, for two hundred sixteen dollars and sixty-seven cents (\$216.67) covering your salary for the period December 1 to 15, 1925, inclusive.

2. Please acknowledge receipt.

By order of the Chief Signal Officer.

Alvin C. Voris
 Alvin C. Voris,
 Lieut. Col., Signal Corps.

1 incl.
 ck. \$216.67.

1st Ind.

Fort Monmouth, N. J., Dec. 21, 1925. To The O. C. S. O., Wash.

Receipt of aforementioned check is hereby acknowledged.

William F. Friedman

FILE	
SIG <i>Wm</i>	DATE <i>12/21</i>

RECEIVED
 1925 DEC 22 11 10 34
 CHIEF SIGNAL OFFICER

December 7, 1925.

Promotion.

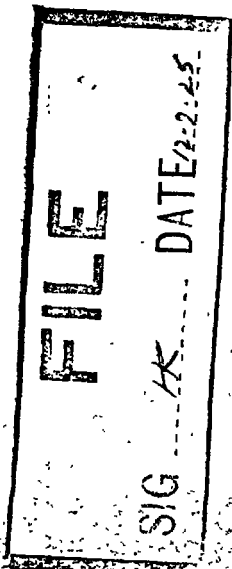
The Adjutant General.

1. Under the provisions of paragraph 55 AR 140-5, it is recommended that Captain William Frederick Friedman, Sig-Res, now assigned to the Branch Assignment Group, Code and Cipher Compilation Section, Office of the Chief Signal Officer, be promoted to the grade of Major, Signal Corps Reserve, to fill an existing appropriate vacancy.

2. Captain Friedman has met all of the requirements of paragraph 50 AR 140-5.

For the Chief Signal Officer:

JOHN E. HEMPHILL,
Lieut-Colonel, Signal Corps.



WAR DEPARTMENT

OFFICE OF THE CHIEF SIGNAL OFFICER

WASHINGTON

Col-Friedman, W.F.
(10-6-25) gwa-mg

October 6, 1925.

Orders.

The Adjutant General.

1. It is recommended that orders be issued directing the assignment to active duty commencing December 8, 1925, for a period of fifteen days training of Captain William F. Friedman, Signal Corps Reserve, and that he be directed to proceed to Fort Monmouth, N.J., reporting upon arrival to the Commanding Officer for the purpose of giving a course of lectures on military codes and ciphers, and upon conclusion to return to his home and inactive status.

2. Captain Friedman is in the Branch Assignment Group, and has consented to the duty recommended.

3. Certificate to the effect that Captain Friedman has not had prior active duty during the current fiscal year is attached.

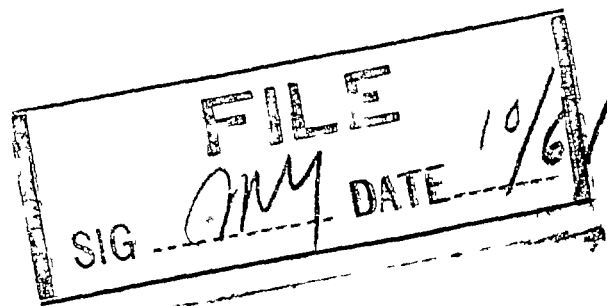
4. Mileage is chargeable to FD 660 P 5042 A 3190-6 (2d Quarter).

5. Pay and allowances are chargeable to FD 595 P 2717 A 3190-6 (2d Quarter).

6. Funds are available and sufficient under the above cited procurement authorities.

7. Cost sheet attached.

For the Acting Chief Signal Officer.

Alvin C. Voris,
Lieut. Col., Signal Corps.2 Encls.
Certificate
Cost sheet.

IN REPLY
REFER TO

REF ID: A66329

WAR DEPARTMENT.
^{pwe-mg}
OFFICE OF THE CHIEF SIGNAL OFFICER,
WASHINGTON

October 5, 1925.

MEMORANDUM TO: Fiscal Division.

1. It is desired to request the assignment of the Cryptanalyst, Mr. W.F. Friedman, SORC, to active duty for a period of 15 days, and also request his orders to Fort Monmouth during that period. This duty will begin on or about December 8th.
2. Request that you inform the Training Section the allotment numbers for mileage and for pay and allowances, if ~~such~~ are available.

P. W. Evans
P. W. Evans,
Major, Signal Corps.

RECEIVED
1925 OCT 5 PM 3 59
OFFICE
CHIEF SIGNAL OFFICER

August 17, 1925.

Subject: Change of Address.**To: The Adjutant General.****1. Report of change in address is made, as follows:****Former address:****Beech Avenue, Bethesda, Maryland.****Present address:****3952 Military Road, Washington, D. C.****WILLIAM F. FRIEDMAN,
Captain, Sig-Res.**

1st Ind.

War Dept., A. G. C., August 28, 1925. Through: The Chief Signal Officer.

To: The Commanding General, Third Corps Area.

E.P., Jr.

201-Friedman, William F.
Captain Sig-Res.

2nd Ind.

War Department, O.C.S.O., Washington, D.C., September 4, 1925: To The
Commanding General, Third Corps Area, Baltimore, Maryland.

1. Noted.

For the Acting Chief Signal Officer:

**ALVIN C. MORIS,
Lieut-Colonel, Signal Corps.**

FILE DATE: 8-17-25 SIG.

CROSS REFERENCE SHEET.

DATE OF
CORRESPONDENCE

8-28-25

FILE UNDER:

X 201 William F. Friedman,

SYNOPSIS:

To AGO.
Invention by Mr. Friedman.
Improvements in the means of construction of identification symbols.
Officers advantages in the construction of suitable code symbols
for Motor Transport and personal identification, and is forwarded
for Consideration of any W. D. agency which might be interested.

PAPERS FILED UNDER:

070

Codes

CROSS REFERENCE SHEET

DATE OF
CORRESPONDENCE

FILE UNDER

8/17/1925

201 - FRIEDMAN

" * THIESSEN

" THOMPSON

352.11 - GEN

SYNOPSIS

ASSIGNMENT OF ABOVE TO COMPANY OFFICERS COURSE
AT FT. MONMOUTH, WITH SCHEDULE.

PAPERS FILED UNDER

210.631 - MONMOUTH

WAR DEPARTMENT
OFFICE OF THE ~~CHIEF~~ SIGNAL OFFICER
WASHINGTON

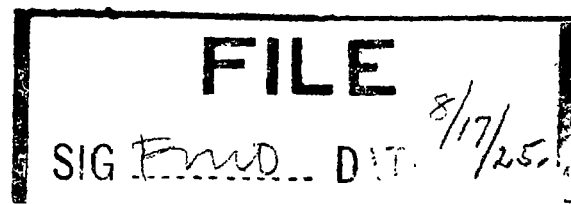
August 17, 1925.

MEMORANDUM for the Board for the Examination of Captain W. F. Friedman,
Sig.O.R.C., for the grade of Major, Sig. O.R.C.

1. It has come to my attention that Captain W. F. Friedman, Sig.O.R.C., has requested exemption from examination in advanced cryptanalysis and cryptographs. He has submitted the textbook entitled "Elements of Cryptanalysis", Training Pamphlet No. 3, as evidence of his proficiency in these subjects.

2. This text was prepared by Captain Friedman under my supervision while I was Chief of the Training Section of the Office of the Chief Signal Officer, in 1922 and 1923. Captain Friedman has been called to Fort Monmouth as special instructor in these subjects in the Signal School annually for the past several years. It is my personal belief that he is entitled to exemption from these subjects under A.T. 140-38.

P. W. Evans,
Major, Signal Corps.



June 30, 1925

William F. Friedman, Capt., Signal Reserve,
Beech Avenue, Bethesda, Maryland.

The Chief Signal Officer,
Washington, D. C.

Report of availability for duty.

1. Referring to letter of June 25, 1925, assigning me to the Code and Cipher Compilation Section, Office of the Chief Signal Officer, I report myself available for duty stated on July 4, 1925.

W. F. Friedman,
Capt., Sig.-Res.

file
70
OK

CROSS REFERENCE SHEET.

DATE OF
CORRESPONDENCE

1-6-25

FILE UNDER:

X 201 Friedman Wm. F.

SYNOPSIS:

Monday Jan 12, 1925 2nd Monday Capt. Friedman will give a talk
on Codes & Ciphers-- How they are made and how they are broken.
Org. Reserves Hq. Washington Units., Graham Bldg., Washington, D.C.

PAPERS FILED UNDER:

350401

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

201. Friedman, Wm.F.

2nd Ind.

90

WD, OCSO, Washington, Jan. 6, 1925 - To Mr. William F. Friedman.

(On photostat copy of basic communication)

FILE

SIG BWO DATE 1/6/25

DEPARTMENT OF THE NAVY

OFFICE OF THE SECRETARY

WASHINGTON

724-920

DEC-29 1924

Friedman, Wm. F.
DEC 30 1924
977
WAR. DEPT.

Sir:

The Navy Department wishes to express its appreciation of the valuable assistance rendered by Mr. William F. Friedman, cryptanalyst, attached to the Office of the Chief Signal Officer of the Army, to the Code and Signal Section of the Office of the Chief of Naval Operations, in the study and investigation of a certain coding machine, which extended over a period of about six months.

Respectfully,

Charles D. Wick

ASSISTANT AND CHIEF CLERK
DEC 30 1924
WAR DEPT.

CR

The Honorable,
The Secretary of War,
Washington, D.C.

RECEIVED
1925 JAN 5 AM 9
OFFICE OF THE CHIEF SIGNAL OFFICER

w/acc

1st Ind.

War Dept., Office A.&C.O., Jan. 3, 1925. - To the Chief Signal Officer.

IN REPLY REFER TO
201-Friedman, William F.

WAR DEPARTMENT,
OFFICE OF THE CHIEF SIGNAL OFFICER,
WASHINGTON.

December 15, 1924.

Subject: Salary Check.

To: Captain William F. Friedman, Camp Alfred Vail, N. J.

1. Enclosed herewith find Check No. 601899 dated December 15, 1924, on the Treasurer of the United States for Two Hundred and Sixteen Dollars and sixty-seven cents (\$216.67) covering your salary from December 1 to 15, 1924, inclusive.

2. Please acknowledge receipt.

By order of the Chief Signal Officer.

O. S. ALRIGHT
O. S. ALRIGHT,
Major, Signal Corps,
Acting Executive.

1924 DEC 19 AM 10 31

1 Incl.
check.

1st Ind.

To: O. C. S. O., W. D., Wash. D. C., Dec. 18, 1924.

1. Receipt of above-mentioned check is hereby acknowledged.

W. F. Friedman
Capt. S. O. R. C.

Kille
63 12/19

201-Friedman, W.F.
(9-25-24)

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

September 25, 1924.

Mr. W. F. Friedman.

The Commandant, The Signal School,
Camp Alfred Vail, N.J.

1. Information is requested as to when the services of Mr. William F. Friedman will be required at The Signal School for the purpose of conducting the course in codes and ciphers.

By order of the Chief Signal Officer.

O. K. Sattler,
Major, Signal Corps.

See 359.11 - Code & Cipher Course

FILE
DATE 9/25/24
30 MY

CROSS REFERENCE SHEET.

DATE OF
CORRESPONDENCE

7-30-24

FILE UNDER:

X 201 - Voris, A.C. Lt. Col.
 X 201 - Sadtler, O.K. Major
 X 201 - Browning, Hardy Pl Capt.
 X 201 - French, Edward F. Capt.
 X 201 - Friedman, Wm. F. Mr.
 X 201 - Pigg, A.M. Lt.
 X 201 - Gunn, Claude T. Lt.
 X 334.1 Gen.

SYNOPSIS:

Office Memo. No. 37, appointing first five of above men as a board in inquire into and express an opinion as to how imperative the use of a form of address and signature code will be in time of active operations, etc.

Assigning Lt. Pigg to duty in Supply Div.

Authorizing Lt. Gunn to issue purchase orders against S.C. funds for payment of maintenance of fire control installations and to make and sign contracts covering S.C. requirements pertaining to Coast Defenses of Puget Sound.

PAPERS FILED UNDER:

300.6 Office Memo. No.

7-30-24

IN REPLY
REFER TO201-Friedman, Wm. Frederick,
Personnel Div.(6-12-24).

WAR DEPARTMENT

OFFICE OF THE CHIEF SIGNAL OFFICER

WASHINGTON

/hk

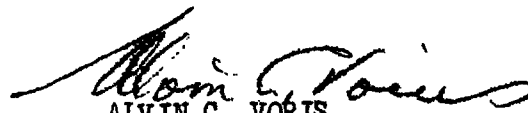
June 12, 1924.

Subject: Form 778 A.G.O.

To: Captain William Frederick Friedman, Sig-ORC.,
Beech Avenue,
Bethesda, Maryland.

1. You are requested to fill out the inclosed Form No. 778, A.G.O., (ANNUAL REPORT OF AVAILABILITY FOR DUTY OF RESERVE OFFICERS) and return it to this office with the least practicable delay. An addressed franked envelope, which requires no postage, is inclosed for the purpose.

By order of the Chief Signal Officer:


ALVIN C. VORIS,
Lieut-Colonel, Signal Corps.

2 Incls.
Blank Form 778, A.G.O.
Franked Envelope.

Alvin C. Voris

UNITED STATES SENATE
Committee on the Judiciary

March 1, 1924.

Major General C. LCK. Saltzman,
Chief Signal Officer of the Army,
War Department.

My dear General Saltzman,

I am desirous of availing myself of the services of
Mr. W. F. Friedman, Chief of the Code Section, in connection with the
investigation being conducted by the Committee on Public Lands and
Surveys into the leasing of the naval oil reserves, and shall be
greatly obliged to you if you will detail him for that service,
which will not occupy him more than a day or so.

Very truly yours,

T. J. WALSH.


✓
201 Friedman, W. F.

1st Ind.

cas-hvf

War Dept., OC30, Washington, March 1, 1924 - To The Adjutant General.

1. Mr. Friedman has been instructed to comply.


C. LCK. Saltzman,
Major General,
Chief Signal Officer of the Army.

egg

2d Ind.

War Department, January 7, 1924. - To the Chief Signal Officer.

Approved subject to the provisions of existing law.
By order of the Secretary of War:

Incls.

Assistant and Chief Clerk.

201.-Friedman, Wm. F. 3rd Ind. km1
War Department, OCSO, Washington, January 9, 1924. - To the Finance Officer,
U. S. Army, Washington, D. C.

Recommending settlement.

For the acting Chief Signal Officer:

C. A. SEANE
Lieut. Colonel, Signal Corps.

KS
Seane

201.-Friedman, William F. 1st Ind. kml
War Department, CC90, Washington, January 5, 1924. - To the Secretary of War.

Recommending approval.

For the acting Chief Signal Officer:

C. A. SEANE
Lieut. Colonel, Signal Corps.

3 incls.
Transportation certificate
" request
Orders²

*Attn
net
17 days
4850*

*file
Kumb*

IN REPLY REFER TO

WAR DEPARTMENT,
OFFICE OF THE CHIEF SIGNAL OFFICER,
WASHINGTON.

December 15, 1923.

Subject: Salary check.

To: Mr. Wm. F. Friedman, Care Signal School, Camp Alfred Vail, N. J.

1. Enclosed find check No. 394773 on the Treasurer of the United States for \$187.50, covering your salary from December 1, 1923, to December 15, 1923, inclusive.

2. Please acknowledge receipt.

By order of the Chief Signal Officer.

C. A. Secane
C. A. Secane,
Lieut. Col., Signal Corps.

1 incl.
ck.

1st Ind.

To O.C.S.O., Wash. D.C., Dec. 19, 1923. -

1. Receipt of above-mentioned check is hereby acknowledged.

W. F. Friedman

RECEIVED
1923 DEC 20 AM 10 27
OFFICE
CHIEF SIGNAL OFFICER

*File
Hamm*

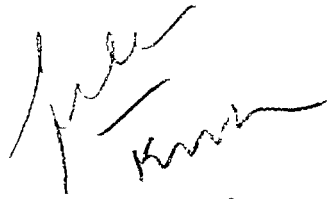
COLLECT

December 18, 1923.

William F. Friedman
c/o Commanding Officer,
Camp Alfred Vail, N. J.

Salary check sent by registered mail December fifteenth.

Suitor



RECEIVED
1923 DEC 18 PM 2 41
OFFICE
CHIEF SIGNAL OFFICER

4664

REF ID: A66329

WESTERN UNION

Form No SC 1164

SIGNAL CORPS U. S. ARMY

MESSAGE

RECEIVED
at War Department Message Center
Room 3433 Munitions Building

R
E
C
E
I
V
E
D

To

Place

From

Place

Date

Time Filed

6W VI 10

8-6563

CAMP ALFRED VAIL NJ 1150 AM DEC 18 1923

CHIEF CLERK OFFICE CHIEF SIGNAL OFFICER
MUNITIONS BLDG WASHINGTON

HAVE YOU MAILED CHECK PER MY LETTER ELEVENTH WIRE

COLLECT.

W F FRIEDMAN.

1215 PM

Dec 15th
Reg 962253

RECEIVED
1923 DEC 18 PM 1 05
OFFICE
CHIEF SIGNAL OFFICER

COL, Friedman, Ed. E.

Orders.

December 5, 1923.

Mr. F. Friedman, Cryptanalyst, E.S.L.
(Sra CIO, Personnel Division, GCSO).

1. Pursuant to authority of the Secretary of War dated December 5, 1923, you will proceed from Washington, D.C., to Camp Alfred Vail, New Jersey, on temporary duty for a period not to exceed 15 days in connection with the instruction of commissioned personnel at the Signal School, in the use of codes and ciphers and upon completion thereof to return to Washington, D.C.

2. While enroute and on this duty, in lieu of subsistence, you will be allowed a flat per diem in accordance with provisions of existing Army Regulations which will be charged to Procurement Authority GI-1406-2 5036-19-4, authorization 7-1-30., December 4, 1923, Section 33. The per diem allowance for travel herein ordered shall not exceed that required for a period of 15 days, and any excess thereover will not be payable unless before the expiration of the original period, an extension of time is initiated by the officer in charge of the particular division or section concerned, and duly entered on the finance books in the same manner as the original order. All vouchers covering any part of the expenses incurred under this order must be forwarded to the Office of the Chief Signal Officer for certification required by G.O. 20, War Department, May 10, 1923.

3. The Quartermaster Corps will furnish the necessary transportation which is chargeable to Procurement Authority GI 1406-2-5036-19-4, authorization as stated above.

4. The travel directed herein is necessary in the military service.

A. C. VOHS,
Acting Chief Signal Officer.

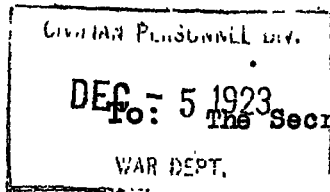
IN REPLY REFER TO

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

201. Friedman, Wm. F.

December 5, 1923.

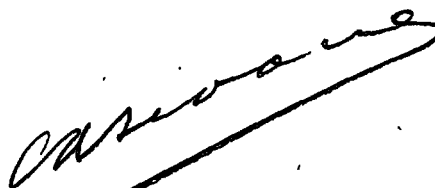
Subject: Orders.



1. It is recommended that authority be granted to issue orders directing Wm. F. Friedman, Cryptanalyst, Signal Service at Large, to proceed from Washington, D.C., to Camp Alfred Vail, New Jersey, on temporary duty for a period of not to exceed 13 days in connection with the instruction of commissioned personnel at the Signal School, in the use of codes and ciphers and upon completion thereof to return to Washington, D.C.

2. It is further recommended that while enroute and on this temporary duty, Mr. Friedman be allowed a flat per diem, in lieu of subsistence, in accordance with existing Army Regulations.

For the Acting Chief Signal Officer:



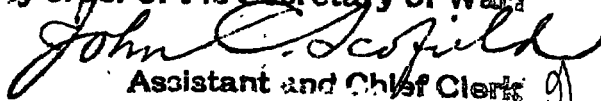
C. A. SPOKANE,
Lieut. Colonel, Signal Corps.

DCM

WAR DEPARTMENT,

Approved *December 5, 1923.*

By order of the Secretary of War:



Assistant and Chief Clerk

REF ID:A66329
WAR DEPARTMENT,
OFFICE OF THE CHIEF SIGNAL OFFICER,

3-5586

November 30, 1923.

MEMORANDUM for Colonel Voris:

Request orders be issued covering my detail to Camp Vail
as special instructor in Military Codes and Ciphers for the period from
December 10th to December 22nd, inclusive.

Don. Friedman
Chief Signal Officer
12/1/23

W. F. Friedman

August 28, 1923.

Course in Codes and Ciphers.

Commanding Officer, Camp Alfred Vail, N.J.

In connection with the course in codes and ciphers to be given at the Signal School during the period from December 10th to 22nd, inclusive, and for which my detail as special instructor has been approved, request that I be informed as to the number and duration of the periods to be devoted to this work, the probable number of students, and whether the scope of the course this year is to be essentially the same as that of last year.

W. F. Friedman,
Cryptanalyst, Signal Corps.

file

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

Personnel Div.

August 27, 1925.

MEMORANDUM FOR: Mr. Friedman, O.C.S.O.

1. The Chief Signal Officer has approved a request of the commanding officer, Camp Vail, that you be ordered to that place as a special instructor in the Signal School for the period from December 10th to December 22nd, inclusive.
2. You will communicate direct with the commanding officer, Camp Vail, relative the scope of work you are to perform.
3. It is desired that you take up with this division the question of securing travel orders for this duty at least one week before required.

By order of the Chief Signal Officer:

Alvin C. Voris,
Lieut. Colonel, Signal Corps.

8-27
file
Lorner

CROSS REFERENCE

Clerk ~~klk~~

Date 8/27/23

Cross Reference No. 201 Thiessen
201 Friedman
201 Griffin

Paper Filed in 323 Vail

Subject: Special Instructors for Company Officers' Course

Synopsis:

8/16/23 Letter from Camp Vail to CSO requesting above named be detailed as indicated/

8/27/23 1st Ind from OCSO to Camp Vail approved.

INTERBUREAU PURCHASE REPORT

WAR DEPARTMENT, WASHINGTON, D. C.

DATE:

191

<p style="text-align: center;">FROM</p> <p style="text-align: center;">BUREAU <i>Defc</i></p> <p style="text-align: center;">DIVISION</p> <p style="text-align: center;">SECTION</p>	<p style="text-align: center;">FORM NO. 2090</p> <p style="text-align: center;">PROCURING BUREAU SHALL USE THIS FORM TO REPORT TO THE ISSUING BUREAU ORDERS PLACED. MAKE ONE REPORT FOR EACH ORDER. FORWARD THREE COPIES TO ISSUING BUREAU, ONE COPY TO PURCHASE AND SUPPLY BRANCH OFFICE OF DIRECTOR OF P. S. & T, AND ONE COPY TO FINANCE OFFICE OF PROC BUR. USE ADDITIONAL BLANK PAGES, IF NECESSARY</p>	<p style="text-align: center;">TO</p> <p style="text-align: center;">BUREAU</p> <p style="text-align: center;">DIVISION</p> <p style="text-align: center;">SECTION</p>
---	---	---

AN ORDER FOR THE MATERIAL LISTED BELOW HAS BEEN PLACED IN ACCORDANCE WITH YOUR INTERBUREAU PROCUREMENT REQUISITION

NO.

DATE

REFERENCE TO THIS ORDER THROUGH THIS OFFICE SHOULD BE MADE BY

ORDER NO.

DATE

QUANTITY AND UNIT	UNIT PRICE	TOTAL PRICE
-------------------	------------	-------------

ARTICLE AND DESCRIPTION	UNIT PRICE
-------------------------	------------

CONTRACTOR:

ADDRESS:

MANUFACTURED AT:

SPECIFIED CONTRACT DELIVERIES

TOTAL QUANTITY PURCHASED AGAINST THIS REQUISITION INCLUDING THIS ORDER IS

KINDLY ARRANGE THE TRANSFER OF THE ABOVE SUM TO THE CREDIT OF THIS BUREAU.

FOR THE

BUREAU.

BY _____

INTEBUREAU PURCHASE REPORT

WAR DEPARTMENT WASHINGTON D. C.

DATE: _____

<p>TO</p> <p>Clerk <i>khk</i></p> <p>Cross Reference No. _____</p> <p>SECTION</p>	<p>CROSS REFERENCE</p> <p>FORWARDING OFFICE SHALL USE THIS FORM TO REPORT TO THE INTEBUREAU. ORIGINAL PLACED IN REPORT FOR EACH ORDER. FORWARD THREE COPIES TO INTEBUREAU. ONE COPY TO PURCHASING BUREAU. ONE COPY TO DIVISION OF P & T. AND ONE COPY TO FINANCE OFFICE OF PROC. BUREAU. ADDITIONAL BLANK PAPERS IF NECESSARY.</p> <p>201. Friedman</p>	<p>FROM</p> <p>Date 5/3/23</p> <p>SECTION</p>
---	---	---

<p>Paper Filed in</p> <p>ORDER NO. 413.41</p> <p>DATE _____</p>	<p>INTEBUREAU PROCUREMENT REQUISITION</p> <p>IN ACCORDANCE WITH YOUR ORDER FOR THE MATERIAL LISTED BELOW HAS BEEN PLACED REFERENCE TO THIS ORDER THROUGH THIS OFFICE SHOULD BE MADE BY</p>
---	--

QUANTITY AND UNIT	UNIT PRICE	TOTAL PRICE
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Subject: *Printing Machine Device*

Synopsis:

4/20/23 Letter from Major Fly to Major Bender re above ~~order~~ as follows.

Advising

MANUFACTURED BY

<p>TOTAL QUANTITY PURCHASED AGAINST THIS REQUISITION INCLUDING THIS ORDER IS</p>	<p>SPECIFIED CONTRACT DELIVERIES</p>
--	--------------------------------------

KINDLY ARRANGE THE TRANSFER OF THE ABOVE SUM TO THE CREDIT OF THIS BUREAU.

REF ID:A66329

mob
2nd Ind.
War Dept., Office A. & G. O., April 13, 1923. - To the Chief Signal Officer.

Approved subject to the provisions of existing law. By order of the
Secretary of War:

John C. Scofield
Assistant and Chief Clerk

Incl.

201.-Friedmann, William F. 3rd Ind. kml
War Department, OCSO, Washington, April 14, 1923. - To the Finance Officer,
U. S. Army, Washington, D. C.

For settlement.

For the Chief Signal Officer:

Incls. - no change

C. A. SECANE
Lieut. Colonel, Signal Corps.

h/s

Kille
Samuel

~~WAR DEPARTMENT~~
WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

April 3, 1923.

My dear Colonel Hough:

This will introduce to you our Mr. Friedman in charge of cipher and similar work in the Signal Corps. He is at present carrying out some special studies for the Chief Signal Officer, who will appreciate any assistance you may be able to extend Mr. Friedman.

With best regards, believe me

Sincerely yours,

C. A. Shoane,
Lt. Col., Signal Corps.

Colonel I. D. Hough,
24 Walker Street,
New York City.

file

April 3, 1923,

Office of the Chief Signal Officer.

Mr. William F. Friedman, Cryptanalyst, S.S.L., through
O.I.C., Training Section,

Orders.

1. Pursuant to authority of the Secretary of War dated April 3, 1923, you will proceed from Washington, D.C., to New York, N.Y., on temporary duty for a period not to exceed five days in connection with study of telegraph alphabets for the Signal Corps and upon completion of such temporary duty to return to Washington, D.C.

2. While enroute and on this duty in lieu of subsistence you will be allowed a flat per diem in accordance with provisions of existing Army regulations which will be charged to Procurement Authority QM 3734-P-154-A-3, authorization AD-23, SO, April 3, 1923, Sta. 23. The per diem allowance for travel herein ordered shall not exceed that required for a period of 5 days, and any excess thereover will not be payable unless, before the expiration of the original period, an extension of time is initiated by the officer in charge of the particular division or section concerned, and duly entered on the finance books in the same manner as the original order. All vouchers covering any part of expenses incurred under this order must be forwarded to the Office of the Chief Signal Officer for certification required by G. O. 20, War Department, May 20, 1921.

3. The Quartermaster Corps will furnish the necessary transportation which is chargeable to Procurement Authority QM 3734-P-171-A-3. AD-23, SO, April 3, 1923, Sta. 23.

4. The travel directed herein is necessary in the military service.

By order of the Chief Signal Officer:

FRANK J. GELFIN,
Lieut. Colonel, Signal Corps.

File

IN REPLY REFER TO
201.-Friedman, William F. OFFICE OF THE CHIEF SIGNAL OFFICER,
WASHINGTON.

WAR DEPARTMENT,

April 3, 1923.

Subject: Orders.

To: The Secretary of War.

CIVILIAN PERSONNEL DIV.
APR 3 - 1923
WAR DEPT.

1. It is recommended that authority be granted to issue orders directing William F. Friedmann to proceed from Washington, D. C., to New York, N. Y., on temporary duty for a period not to exceed five days in connection with study of telegraph alphabets for the Signal Corps and upon completion of such temporary duty to return to Washington, D. C.

2. It is further recommended that while enroute and on this duty Mr. Friedmann be granted a per diem allowance, in lieu of subsistence, in accordance with the existing Army Regulations.

For the Chief Signal Officer:

C. A. Seoane
C. A. SEOANE
Lieut. Colonel, Signal Corps.

WAR DEPARTMENT,
Approved April 3, 1923.
By order of the Secretary of War:

John C. Seefeld
Assistant Chief Clerk

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

April 2, 1923.

Memo for Mr. Barnett:

Request the necessary travel papers for a trip to New York City in connection with study of telegraph alphabets be gotten out. Expect to leave Tuesday night, April 3, duty to keep me there not more than five days.

Friedman

AK
Capt. Friedman

8.12
3.75

11.87
2.78

OK
WFB

RECEIVED
1923 APR 2 PM 3 00
OFFICE
CHIEF SIGNAL OFFICER

INTERBUREAU PRODUCTION REPORT

WAR DEPARTMENT, WASHINGTON, D. C.

FROM:

(BUREAU)

(DIVISION)

INTERBUREAU UNIT

FORM No. 7

THIS FORM TO BE USED BY PROCURING BUREAU TO REPORT PRODUCTION ON ALL CONTRACTS FOR WHICH SUCH REPORTS HAVE BEEN REQUESTED BY ISSUING BUREAU ON REQUISITION FORM NO. 1.

SUBMIT FIVE COPIES EACH WEEK UNTIL COMPLETION OF CONTRACT.

WEEKS TO BEGIN AND END ON FRIDAYS AT 9.00 P. M.

REPORT PROGRESS ON EACH CONTRACT SEPARATELY.

TO:

(BUREAU)

INTERBUREAU UNIT

DATE THIS REPORT _____, 191

DATE LAST REPORT _____, 191

THE FOLLOWING PRODUCTION HAS BEEN MADE TO DATE UNDER
 INTERBUREAU PROCUREMENT REQUISITION NO. _____ DATED _____, 191
 THIS MATERIAL IS BEING PROCURED UNDER OUR ORDER NO. _____

ARTICLE AND DESCRIPTION

.....

CONTRACTOR:

ADDRESS:

MANUFACTURED AT:

FINISHED ARTICLES	THIS WEEK	TO DATE
TOTAL COMPLETED		
TOTAL ACCEPTED		
TOTAL SHIPPED		
TOTAL SHIPPING INSTRUCTIONS RECEIVED		
ORIGINAL QUANTITY ORDERED		
BALANCE DUE		
EXPECTED COMPLETION NEXT TWO WEEKS		

REMARKS:

(CAUSES OF DELAYS OR REJECTIONS, LACK OF MATERIAL OR PARTS, ETC.)

Close reference No.

INSPECTOR'S AUTHORIZATION

WHEN THIS REPORT IS MADE OUT BY REPRESENTATIVE OF PROCUREMENT BUREAU AT PLANT.

NAME _____

TITLE _____

DATE OF MAILING _____

BUREAU'S AUTHORIZATION

WHEN TRANSMITTED THROUGH INTERBUREAU UNIT, OR MADE OUT THERE.

FOR THE _____ BUREAU

BY _____

DATE _____

DATE OF MAILING TITLE NAME CROSS REFERENCE PROMISEMENT BUREAU OF BUREAU WHEN THIS REPORT IS MADE OUT BY REPRESENTATIVE OF INSPECTOR'S AUTHORIZATION	DATE BY FOR THE (PROMISING) BUREAU MADE OUT HERE WHEN TRANSMITTED THROUGH INTERBUREAU UNIT OR BUREAU'S AUTHORIZATION Date
---	---

Cross Reference No. 201 Friedman

(CAUSES OF DELAYS OR REJECTIONS' TRACK OF MATERIAL OR PARTS' ETC)
 REMARKS:

EXPECTED COMPLETION NEXT TWO WEEKS		
QUANTITY DUE Paper Filed in 311.5 alphabet ORIGINAL QUANTITY ORDERED		
TOTAL SHIPPING INSTRUCTIONS RECEIVED		
TOTAL SHIPPED		
TOTAL ACCEPTED		
TOTAL COMPLETED		
FINISHED ARTICLES	THIS WEEK	TO DATE

Subject:

ADDRESS:

CONTRACTOR:

SYNOPSIS:

ARTICLE AND DESCRIPTION

4/2/23 Letter from OCSO to Col. Hough advising Mr. Friedman will
 present himself at his office on Wednesday Morning, April 4, and
 any assistance rendered him in connection with his studies will
 be greatly appreciated.

THE FOLLOWING PRODUCTION HAS BEEN MADE TO DATE UNDER

INTERBUREAU UNIT (DIVISION) (BUREAU) FROM:	TRACT SEPARATELY REPORT PROGRESS ON EACH COM- PLETE AT 8:00 P. M. WEEKS TO BEGIN AND END ON PRO- DUCTING COMPLETION OF CONTRACT SUBMIT FILE COPIES EACH WEEK FORM NO. 1 ISSUING BUREAU ON REQUISITION REPORTS HAVE BEEN REQUESTED BY ON ALL CONTRACTS FOR WHICH SUCH THE BUREAU TO REPORT PRODUCTION THIS FORM TO BE USED BY PROMIS- FORM NO. 2	DATE LAST REPORT 181 DATE THIS REPORT 181 INTERBUREAU UNIT (BUREAU) TO:
---	---	---

April 2, 1923.

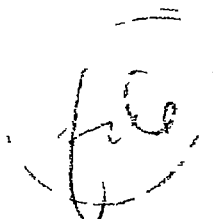
Colonel I. D. Hough,
24 Walker Street,
New York City.

My dear Colonel Hough:

Acknowledging yours of the 30th ultimo, Mr. Friedman will present himself at your office on Wednesday morning, April 4th, and any assistance you can render him in connection with his studies will be greatly appreciated.

Very sincerely yours,

G. A. SECANE,
Lieut. Col., Signal Corps.



REF ID: A66329
INTERBUREAU PRODUCTION REPORT

WAR DEPARTMENT, WASHINGTON, D. C.

FROM:

52/5015
 (BUREAU)

(DIVISION) 9730

INTERBUREAU UNIT

FORM No. 7
 THIS FORM TO BE USED BY PROCURING BUREAU TO REPORT PRODUCTION ON ALL CONTRACTS FOR WHICH SUCH REPORTS HAVE BEEN REQUESTED BY ISSUING BUREAU ON REQUISITION FORM NO. 1.
 SUBMIT FIVE COPIES EACH WEEK UNTIL COMPLETION OF CONTRACT.
 WEEKS TO BEGIN AND END ON FRIDAYS AT 6.00 P. M.
 REPORT PROGRESS ON EACH CONTRACT SEPARATELY.

TO:

(BUREAU) 10
INTERBUREAU UNIT

DATE THIS REPORT _____, 191
 DATE LAST REPORT _____, 191

THE FOLLOWING PRODUCTION HAS BEEN MADE TO DATE UNDER
INTERBUREAU PROCUREMENT REQUISITION NO. _____ DATED _____, 191
 THIS MATERIAL IS BEING PROCURED UNDER OUR ORDER NO. _____

ARTICLE AND DESCRIPTION	Paper filed in

CONTRACTOR: _____

ADDRESS: _____

MANUFACTURED AT: _____

FINISHED ARTICLES	THIS WEEK	TO DATE
TOTAL COMPLETED _____		
TOTAL ACCEPTED _____		
TOTAL SHIPPED _____		
TOTAL SHIPPING INSTRUCTIONS RECEIVED _____		
ORIGINAL QUANTITY ORDERED _____		
BALANCE DUE _____		
EXPECTED COMPLETION NEXT TWO WEEKS _____		

REMARKS: _____
 (CAUSES OF DELAYS OR REJECTIONS, LACK OF MATERIAL OR PARTS, ETC.)

INSPECTOR'S AUTHORIZATION
 WHEN THIS REPORT IS MADE OUT BY REPRESENTATIVE OF PROCUREMENT BUREAU AT PLANT.

NAME _____

TITLE _____

DATE OF MAILING _____

BUREAU'S AUTHORIZATION
 WHEN TRANSMITTED THROUGH INTERBUREAU UNIT, OR MADE OUT THERE.

FOR THE _____ BUREAU
 (PROCURING)

BY _____

DATE _____

INTERBUREAU PRODUCTIO REPORT
WAR DEPARTMENT, WASHINGTON, D. C.

TO: _____

INTERBUREAU UNIT

Clerk (BUREAU) khk

Cross Reference No. _____

DATE THIS REPORT _____ 191

DATE LAST REPORT _____ 191

FORM NO. 1
CROSS REFERENCE

THIS FORM TO BE USED BY PRODUCING BUREAU TO REPORT PRODUCTION ON ALL CONTRACTS FOR WHICH SUCH REPORTS HAVE BEEN REQUESTED BY PRODUCING BUREAU ON REQUISITION FORM NO. 1.

PERMIT FIVE COPIES EACH WEEK UNTIL COMPLETION OF CONTRACT.

WEEK TO BEGIN AND END OF PERIOD AT 8 P. M.

REPORT TO BE MADE ON REQUISITION FORM NO. 1.

200 Field Printing

FROM: _____

3/23/23

(BUREAU)

INTERBUREAU UNIT

DATE _____

(DIVISION)

THE FOLLOWING PRODUCTION HAS BEEN MADE TO DATE UNDER INTERBUREAU PROCUREMENT REQUISITION NO. _____ DATED _____ 191

THIS MATERIAL IS BEING PROCURED UNDER OUR ORDER NO. _____

Paper Filed in	ARTICLE AND DESCRIPTION
	413.41

Subject: Field Printing Telegraph System

CONTRACTOR: _____

Address: _____

MANUFACTURED AT: _____

TO DATE	THIS WEEK	FINISHED ARTICLES
		TOTAL COMPLETED
		TOTAL ACCEPTED
		TOTAL SHIPPED
		TOTAL SHIPPING INSTRUCTIONS RECEIVED
		ORIGINAL QUANTITY ORDERED

3/23/23 Letter from OCSO to Camp Vail attaching description of proposed field printing telegraph system, submitted by Mr. Friedman. Requesting this proposal be made the subject of study and report to determine its possible value for field use.

(CAUSES OF DELAYS OR REJECTIONS, LACK OF MATERIAL OR PARTS, ETC.)

<p>INSPECTOR'S AUTHORIZATION</p> <p>WHEN THIS REPORT IS MADE OUT BY REPRESENTATIVE OF PROCUREMENT BUREAU AT PLANT.</p> <p>NAME _____</p> <p>TITLE _____</p> <p>DATE OF MAILING _____</p>	<p>BUREAU'S AUTHORIZATION</p> <p>WHEN TRANSMITTED THROUGH INTERBUREAU UNIT, OR MADE OUT THERE.</p> <p>FOR THE BUREAU _____</p> <p>BY _____</p> <p>DATE _____</p>
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INTERBUREAU PURCHASE REPORT

WAR DEPARTMENT, WASHINGTON, D. C.

GROSS REFERENCE

DATE:

191

FROM
3/23/23

BUREAU

DIVISION

SECTION

FORM NO. 4

PROCURING BUREAU SHALL USE THIS FORM TO REPORT TO THE ISSUING BUREAU ORDERS PLACED. MAKE ONE REPORT FOR EACH ORDER. FORWARD THREE COPIES TO ISSUING BUREAU, ONE COPY TO PURCHASE AND SUPPLY BRANCH, OFFICE OF DIRECTOR OF P. S. & T., AND ONE COPY TO FINANCE OFFICE. USE ADDITIONAL BLANK PAGES, IF NECESSARY.

TO
Clerk

BUREAU

DIVISION

SECTION

Gross Reference No.

AN ORDER FOR THE MATERIAL LISTED BELOW HAS BEEN PLACED IN ACCORDANCE WITH YOUR INTERBUREAU PROCUREMENT REQUISITION

NO.

DATE

REFERENCE TO THIS ORDER THROUGH THIS OFFICE SHOULD BE MADE BY

ORDER NO.

DATE

QUANTITY AND UNIT	UNIT PRICE	TOTAL PRICE
-------------------	------------	-------------

ARTICLE AND DESCRIPTION

CONTRACTOR:

ADDRESS:

MANUFACTURED AT:

SPECIFIED CONTRACT DELIVERIES

TOTAL QUANTITY PURCHASED AGAINST THIS REQUISITION INCLUDING THIS ORDER IS

KINDLY ARRANGE THE TRANSFER OF THE ABOVE SUM TO THE CREDIT OF THIS BUREAU.

FOR THE

BUREAU.

BY

ref.

DATE

CROSS REFERENCE

TO Clerk khk	FORM NO. 1 PROCURING BUREAU SHALL USE THIS FORM TO REPORT TO THE ISSUING BUREAU ORDER PLACED. MAKE ONE REPORT FOR EACH ORDER. FORWARD THREE COPIES TO ISSUING BUREAU, ONE COPY TO PUR- CHASER AND SUPPLY BRANCH OFFICE OF DIRECTOR OF P. & T. (ONE COPY TO PUR- CHASE OFFICE OF THE ISSUING BUREAU) FINANCE OFFICE OF THE ISSUING BUREAU IF NECESSARY. DETAILED BLANK PAPERS IF NECESSARY.	FROM 3/27/23
BUREAU		BUREAU
DIVISION		DIVISION
Cross Reference No.	201 Friedman 201 Ira L. Hough	Date
SECTION		SECTION

REFERENCE TO THIS ORDER THROUGH THIS OFFICE SHOULD BE MADE BY	AN ORDER FOR THE MATERIAL LISTED BELOW HAS BEEN PLACED IN ACCORDANCE WITH YOUR INTERBUREAU PROCUREMENT REQUISITION
Paper Filed in 311,5 Alphabet	NO
DATE	DATE

TOTAL PRICE	UNIT PRICE	QUANTITY AND UNIT

Subject: ARTICLE AND DESCRIPTION
Data for research on Morse Alphabets

Synopsis:

CONTRACTOR

ADDRESS

3/27/23 Letter from OCSO to Col. Hough requesting information as to whether he will be in N.Y. during first half of April as it is contemplated sending Mr. Friedman to have some interviews with him in connection with procuring of data for research on Morse Alphabets.

TOTAL QUANTITY PURCHASED AGAINST THIS
REQUISITION INCLUDING THIS ORDER IS

SPECIFIED CONTRACT DELIVERIES

KINDLY ARRANGE THE TRANSFER OF THE ABOVE SUM TO THE CREDIT OF THIS BUREAU.

BY

BUREAU

FOR THE

mob

2nd Ind.

War Dept., Office A. & C. C., Jan. 13, 1923. - To the Chief Signal Officer.

Approved subject to the provisions of existing law. By order of the Secretary of War.

John C. Scofield
Assistant and Chief Clerk.

201.-Friedman, William F.

3rd Ind.

KML

War Department, OCSO, Washington, January 15, 1923, - To the Finance Officer,
U. S. Army, Washington, D. C.

Recommending settlement.

For the Chief Signal Officer:

C. A. SEANE
Lieut. Colonel, Signal Corps.

Incls.- no change.,

File
[Signature]



201.-Friedman, William F. 1st Ind. RML
War Department, OCSC, Washington, January 11, 1922. - To the Secretary of War.

Recommending approval.

C. A. SEOWNE
Lieut. Colonel, Signal Corps,
Acting Chief Signal Officer of the Army.

1 incl.
Orders 2

*all to Cav
& return
Dec 6 to 31
11 ³/₁₄ days
Official duty
\$ 47.00*

*Free
Harris*

December 4, 1922.

Office of the Chief Signal Officer.

201

**Mr. William F. Friedman, Cryptanalyst, S.S.L., through O.I.C.,
Training Section.**

Orders.

1. Pursuant to authority of the Secretary of War dated December 2, 1922, you will proceed from Washington, D. C., to Camp Alfred Vail, Oceanport, N. J., on temporary duty for a period not to exceed 12 days in connection with the instruction in code work at that school, and upon completion of such temporary duty to return to Washington, D. C.

2. While enroute and on this duty in lieu of subsistence you will be allowed a flat per diem in accordance with provisions of existing Army regulations which will be charged to Procurement Authority QM 3734-P-154-A-3, authorization ~~Procurement, 23, 1922, Sta. 23.~~
The per diem allowance for travel herein ordered shall not exceed that required for a period of 12 days, and any excess thereover will not be payable unless, before the expiration of the original period, an extension of time is initiated by the officer in charge of the particular division or section concerned, and duly entered on the finance books in the same manner as the original order. All vouchers covering any part of expenses incurred under this order must be forwarded to the Office of the Chief Signal Officer for certification required by G. O. 20, War Department, May 20, 1921.

3. The Quartermaster Corps will furnish the necessary transportation which is chargeable to Procurement Authority QM 3734-P-171-A-3, ~~Y-2, SC, Nov. 29, 1922, Sta. 23.~~

4. The travel directed herein is necessary in the military service.

By order of the Chief Signal Officer.

**G. A. Secane,
Lieut. Col., Signal Corps.**

File

OFFICE OF THE CHIEF SIGNAL OFFICER.

WASHINGTON.

IN REPLY
REFER TO

Subject: Orders.

December 1, 1922.

U. S. GOVERNMENT PRINTING OFFICE

DEC 2 - 1922

To: WAR DEPT. The Secretary of War.

1. It is recommended that authority be granted to issue orders directing William F. Friedman, Cryptanalyst, Signal Service at Large, to proceed from Washington, D. C., to Camp Alfred Vail, Oceanport, N. J., reporting upon arrival to the Commanding Officer, on temporary duty for a period not to exceed twelve days in connection with the instruction in code work at that school, and upon completion of such temporary duty to return to this city.

2. It is further recommended that while enroute and on this duty Mr. Friedman be allowed a flat per diem in accordance with provisions of existing Army regulations.

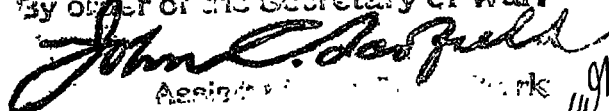
For the Chief Signal Officer.


C. A. Soane,
Lieut. Col. Signal Corps.

WAR DEPARTMENT,

Approved *December 2, 1922.*

By order of the Secretary of War


Assistant Secretary of War

Assistant Secretary of War

WJ

IN REPLY REFER TO

WAR DEPARTMENT
pwe-er
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

November 29, 1922.

MEMORANDUM FOR Personnel Division.

It is recommended that orders be issued directing Mr. William F. Friedman, cryptanalyst, to proceed from Washington, D. C., to Camp Vail, N. J. for temporary duty, beginning on or about December 11th and ending on or about December 23rd.

At the completion of this duty Mr. Friedman will return to his proper station.

P. W. Evans
P. W. Evans,
Major, Signal Corps.

RECEIVED
1922 DEC 1 AM 9 44
OFFICE
CHIEF SIGNAL OFFICER

Mr. Flynn —
Will you take care of this
Emm

\$68⁰⁰

REF ID: A66329
201.-Friedman, William F. 1st Ind. EML
War Department, OCSO, Washington, September 22, 1922. - To the Secretary of War.

Recommending approval.

For the Chief Signal Officer.

1 incl.²

C. A. SEQANE
Lieut. Colonel, Signal Corps.

Travel orders.

buw

2nd Ind.

War Department (Office A & C C), September 23, 1922. - To the Chief Signal Officer.

Approved subject to the provisions of existing law. By order of the Secretary of War:

cut
JOHN C. SCOFIELD

Assistant and Chief Clerk.

Incl.

201.-Friedman, William F. 3rd Ind. EML
War Department, OCSO, Washington, September 25, 1922. - To the Finance Officer, U. S. Army, Washington, D. C.

For settlement.

For the Chief Signal Officer:

C. A. SEQANE
Lieut. Colonel, Signal Corps.
[Handwritten signature]

201.-Friedman, William F. 1st Ind. EGM
 War Department, OCSO, Washington, September 22, 1922. - To the Secretary of
 War.

Recommending approval.

For the Chief Signal Officer:

1 incl.²

G. A. SEOWNE
 Lieut. Colonel, Signal Corps.

Travel orders.

Washington To Boston Mass and return
 2½ days at \$4.00 per diem \$10.00

September 17 to 20, 1922.

*file
 Frank*

September 12, 1922.

Office of the Chief Signal Officer.

The Secretary of War.

Orders.

1. It is recommended that authority be granted to issue orders directing William F. Friedman, Cryptanalyst, Signal Service at Large, to proceed from Washington, D. C., to Boston, Mass, reporting upon arrival to the Signal Officer, 1st Corps Area, on temporary duty for a period not to exceed five days in connection with the investigation of a code device invented by Dr. E. L. Miller, and upon completion of such temporary duty to return to this city.

2. It is further recommended that while enroute and on this duty Mr. Friedman be allowed a flat per diem in accordance with provisions of existing Army regulations.

For the Chief Signal Officer:

G. A. SEOANE,
Lieut. Colonel, Signal Corps.

*File
through*

201.-Friedman, William F.

Admin. Sec. -----

September 12, 1922.

Office of the Chief Signal Officer.

Mr. William F. Friedman, Cryptanalyst, S.S.L., thru OIC,
Training Section, Personnel Division.

Orders.

1. Pursuant to authority of the Secretary of War dated September 12, 1922, you will proceed from Washington, D. C., to Boston, Mass., reporting upon arrival to the Signal Officer, 1st Corps Area, on temporary duty for a period not to exceed five days in connection with the investigation of a code device invented by Dr. E. L. Miller, and upon completion of such duty return to this city.

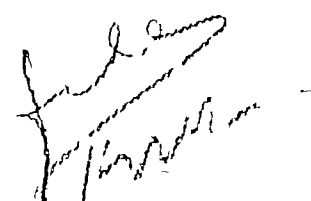
2. While enroute and on this duty in lieu of subsistence you will be allowed a flat per diem in accordance with provisions of existing Army regulations which will be charged to Procurement Authority OM 3734-P-154-A-3, authorization D-10-30, September 12, 1922, Station #23. The per diem allowance for travel herein ordered shall not exceed that required for a period of five days, and any excess thereover will not be payable unless, before the expiration of the original period, an extension of time is initiated by the officer in charge of the particular division or section concerned, and duly entered on the finance books in the same manner as the original order. All vouchers covering any part of expenses incurred under this order must be forwarded to the Office of the Chief Signal Officer for certification required by G. O. 20, War Department, May 20, 1921.

3. The Quartermaster Corps will furnish the necessary transportation which is chargeable to Procurement Authority OM 3734-P-171-A-3.

4. The travel directed herein is necessary in the military service.

By order of the Chief Signal Officer:

KML

G. A. SEANE
Lieut. Colonel, Signal Corps.


201.-Friedman, William F.

Admin. Sec. Division

WAR DEPARTMENT.
OFFICE OF THE CHIEF SIGNAL OFFICER,
WASHINGTON.

SEP 12 1922

September 12, 1922.

From: Office of the Chief Signal Officer.

To: The Secretary of War.

Subject: Orders.

1. It is recommended that authority be granted to issue orders directing William F. Friedman, Cryptanalyst, Signal Service at Large, to proceed from Washington, D. C., to Boston, Mass, reporting upon arrival to the Signal Officer, 1st Corps Area, on temporary duty for a period not to exceed five days in connection with the investigation of a code device invented by Dr. E. L. Miller, and upon completion of such temporary duty to return to this city.

2. It is further recommended that while enroute and on this duty Mr. Friedman be allowed a flat per diem in accordance with provisions of existing Army regulations.

For the Chief Signal Officer:

C. A. Segane
C. A. SEGANE
Lieut. Colonel, Signal Corps.

WAR DEPARTMENT.

Approved *September 12, 1922.*

By order of the Secretary of War:

John C. Sedgwick
Assistant and Chief Clerk

CROSS REFERENCE

Clerk khk

Date 9/7/22

Cross Reference No 311.5
 201 Friedman

Papers Filed in 323 Vail

Subject: Detail of Mr. Friedman to Vail

Synopsis.

8/15/22 1st Ind from OCSO to Camp Vail

8/18/22 2nd Ind from Camp Vail to CSO requesting r. Friedman commence his course on Monday, Dec. 11, 1922.

9/7/22 3rd Ind from CSO to Camp Vail approved.

CROSS REFERENCE

Clerk khk

Date 8/16/22

Cross Reference No 201 Friedman

Papers Filed in 323 Vail

Subject: instruction in codes and ciphers

Synopsis:

8/10/22 Letter from Vail to CSO requesting information as to whether or not Mr. Friedman will be available for giving instruction to student officers in codes and ciphers for a period of two weeks during the coming school year.

8/15/22 1st Ind from OCSO to Vail School advising Mr. Friedman will be available for the course in codes and ciphers during the months of Dec. or Jan/

Personal Division

WAR DEPARTMENT,
OFFICE OF THE CHIEF SIGNAL OFFICER,
WASHINGTON.

May 19, 1922.

From:

To: The Adjutant General of the Army.

Subject: Assignment of Captain William F. Friedman, Sig.R.C.

1. Authority is requested to assign Captain William F. Friedman, Signal Reserve Corps to the Branch Assignment Group. He has not been assigned to any group.

2. Captain Friedman was commissioned in the Signal Corps for special service. He is a code and cipher expert, whose services would be needed under the direction of the Chief Signal Officer in the time of war.

For the Chief Signal Officer:

A.G.O. Officers Reserve Division
Recd MAY 22 1922
Distribution Desk

C. A. Beane
C. A. Beane,
Lt. Col., Signal Corps.
a 27

War Department, A.G.O., May 27, 1922. - To the Chief Signal Officer.

1. Returned, approved.

By order of the Secretary of War:

[Signature]
Adjutant General.

RECEIVED
1922 MAY 29 AM 11 00
OFFICE OF THE CHIEF SIGNAL OFFICER

Ag 2011 (Friedman, William Frederick) Recd

[Handwritten initials]

May 12, 1922.

Serial number and length of prior active service
in present grade or any higher grade

**Captain William Frederick Friedman, Sig-020,
2220 - 17th St., N. W.,
Washington, D. C.**

1 You are informed that each officer of the Officers' Reserve Corps is now being given a serial number Your serial number is O- **166764.**

2 The total length of your active service in the grade which you now hold in the Officers' Reserve Corps, or in any higher grade, amounts to **none.**

(See paragraph 10, sub-paragraph 2, Section 1, Special Regulations 43, 1921) Should you be called to active duty IN YOUR PRESENT GRADE, this total length of active service will determine your date of rank

By order of the Secretary of War

Copy to:
C. C., Third Corps Area,
Chief Signal Officer.

John G. ...
Adjutant General.

This officer accepted his appointment May 4, 1922.

1922 MAY 13 AM 11 31
CHIEF SIGNAL OFFICER

[Handwritten signature]

**WAR DEPARTMENT,
THE ADJUTANT GENERAL'S OFFICE,**

IN REPLY
REFER TO

WASHINGTON.

AG 201 Friedman, William Frederick(1-13-22)Res

May 1, 1922.

To: **Captain William Frederick Friedman, Sig-OC,
3220 17th Street, N.W.,
Washington, D.C.**

Subject: Appointment in Officers' Reserve Corps.

1. You are appointed **Captain, Signal** Officers' Reserve Corps to date from **April 11, 1922**. You will not perform the duties of an officer under this appointment until specifically called to duty under competent orders.

2. Blanks are inclosed herewith for completion and return. The Oath of Office should be filled out carefully and should be administered by an official having a seal of office, which must be impressed on the form, unless the oath is administered by an army officer, in which case your attention is invited to instructions on the back of the form. Under "Prior Military Service" a detailed record of such military service is required. If you have had none the word "none" should appear. If you do not desire to accept, it is requested that you forward a signed and dated letter of declination. Kindly submit your decision to this office without delay, using the addressed envelope which is inclosed for your convenience.

3. Upon receipt of your Oath of Office duly executed a commission covering this appointment will be mailed to you.

4. A reserve officer is required to report at once each change of permanent address, through his Department or Corps Area Commander, to The Adjutant General of the Army. This is important in order that his whereabouts may be known should occasion require immediate communication with him. In letters relating to change of address, and other matters, mention grade and section of Officers' Reserve Corps in which appointment is held.

By order of the Secretary of War:

1922 MAY 3 PM 2 39
Wesley W. Hamilton
CHIEF SIGNAL OFFICE
Adjutant General.

Inclosures.
14

Copy to Chief of Signal Corps.

FILE
EDS

3 26 16
 X 3 2 3 = 6
 April 24, 1922.

Subject: Services of Mr. W.F. Friedman at R.O.T.C. Camp.

To: The Chief Signal Officer, Washington, D.C.

1. Information is requested as to whether or not the services of Mr. W.F. Friedman of your office will be available in connection with Signal Corps instruction at the R.O.T.C. Summer Camp, Sixth Corps Area, to be conducted at Camp Custer, Michigan, June 15th to July 27th, 1922.

2. This inquiry is made at the request of Captain S.S. Rumbough, Signal Corps, University of Illinois, Urbana, Illinois, at present charged with the duty of making plans for Signal instruction during the camp.

M.H.

J.D. HITT,
Colonel, Cavalry,
R.O.T.C. Camp Com-
mander.

WDC:rej

Training Section

1st Ind.

pwe:mee

O.C.S.O., April 27, 1922 - To Commanding General, 6th Corps Area,
1819 West Pershing Road, Chicago, Illinois.

It will not be practicable for this office to send Mr. W. F. Friedman out on Summer Camp duty during the coming summer.

For the Chief Signal Officer:

P. W. EVANS
Major, Signal Corps.

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON,
2nd Ed.

(Ex.Bd. appt. by par. 3, S.O. No. 301,
3rd C.A., Dec. 27, 1921)

jam:mcc

O.C.S.O., March 3, 1922 - To Commanding General, 3rd Corps Area,
Ft. Howard, Maryland.

Herewith, in duplicate, proceedings of Board of
Officers convened at Washington, D. C. for the purpose of
examining Mr. William Frederick Friedman for appointment as
Captain, Signal Officers' Reserve Corps.

By authority of the Acting Chief Signal Officer:

Att.

STEPHEN M. WALMSLEY
Major, Signal Corps.

201-Friedman, William Frederick
AO-Reserves

1st Ind.

fm

Hqs. Third Corps Area, Fort Howard, Maryland, 24 January 1922 - To Major Stephen M. Walsley, Signal Corps, Office of Chief Signal Officer, Washington, D. C., President Examining Board appt. by par 3, S. O. No. 301, these Headquarters, December 27, 1921.

1. The application of Mr. William Frederick Friedman for a appointment in Signal Officers' Reserve Corps is approved, and he has been notified to communicate with you in regard to the examination.

2. It is requested that you take the necessary steps to have him examined.

3. Your attention is particularly invited to paragraphs 104-108, inclusive, Special Regulations No. 43, W. D., 1921.

By command of Major General BAILEY:

2 Incls.

E. R. HOUSEHOLDER
Assistant Adjutant.

*on a line section for
a report - 50174*

PROCEEDINGS OF A BOARD OF OFFICERS WHICH
 CONVENED AT ... WASHINGTON, D. C.
 PURSUANT TO THE FOLLOWING ORDER:

Par. 3, Special Orders No. 301, Headquarters 3rd Corps Area,
 Fort Howard, Maryland, December 27, 1921.

Washington, D. C.
 February 23, 1922.

The Board met pursuant to the above order at Washington, D. C.

Present: Major Stephen M. Walsley, Signal Corps
 Major Alfred E. Larabee, Signal Corps
 Captain John A. Halterer, Signal Corps.

Absent: None.

MR. WILLIAM FREDERICK FRIEDMAN, appeared before the Board pursuant to authority contained in 1st Indorsement, Hqrs. 3rd Corps Area, (201, AO-Reserves,) January 24, 1922.

The order convening the Board was read and MR. FRIEDMAN was asked if he objected to being examined by any member of the Board present and named therein, to which he replied in the negative.

The members of the Board were then duly sworn.

The Board then proceeded with the examination of MR. FRIEDMAN for appointment as CAPTAIN, SIGNAL RESERVE CORPS, for special service in the Code Compilation Section, making due inquiry into his

- (a) Physical fitness.
- (b) Moral character.
- (c) General fitness.
- (d) Professional fitness.

The candidate was exempted from the examination for professional fitness for the following reasons:

- (a) The familiarity of the Board with MR. FRIEDMAN'S record, concerning both his educational and professional attainments.
- (b) MR. FRIEDMAN is one of the very few recognized authorities on code work.
- (c) MR. FRIEDMAN'S service, both past and present, in code and cipher work, is such that he is preeminently fitted for the appointment.

The candidate's full name:

William Frederick Friedman
WILLIAM FREDERICK FRIEDMAN.

whose permanent address is: 3220 - 17th St. NW, Washington, D. C.

was born at: Kishinef, Russia, on September 24, 1891.

Evidence of citizenship was submitted and examined by the Board, and was accepted as satisfactory.

The candidate is employed in the Office of the Chief Signal Officer, Washington, D. C.

CONCLUSIONS OF THE BOARD.

- (a) The candidate is physically qualified for appointment.
- (b) The candidate is morally qualified for appointment.
- (c) The candidate is professionally qualified for appointment.
- (d) The candidate is mentally fitted for appointment.

RECOMMENDATIONS OF THE BOARD.

It is recommended that MR. WILLIAM FREDERICK FRIEDMAN be commissioned CAPTAIN, SIGNAL RESERVE CORPS, for special service.

Stephen M. Walsley
STEPHEN M. WALSLEY,
Major, Signal Corps,
President.

John A. Maloney
JOHN A. MALONEY,
Captain, Signal Corps,
Recorder.

Alfred E. Larabee
ALFRED E. LARABEE,
Major, Signal Corps,
Member.

Att:
Exhibits A, B, C & D.

\$350

Contract No.

REF

SC-109-r-114-A-2

Order No 101501
P R No 7532

August 1 1921

TO William F. Friedman, 1803 Connecticut Avenue N W Washington D C

The Research & Development Division will certify as to the satisfactory performance of the above services

The supplies and services to be obtained by this instrument are authorized by me for the purpose set forth in and are chargeable to, Procurement Authority, SC-109-r-114-A-2 dated August 1 1921 the available balance of which is sufficient to cover cost of same

By direction of the Acting Chief Signal Officer

[Handwritten Signature]
K G GUMPHREYS
Major Signal Corps

LHC

From The Adjutant, 3rd Corps Area

To Major Stephen M. Walmslev, S. C., OCSO, Pres. Examining Board appt.
by par.3, SO201, these Hdqrs Dec 27, 1921.

Subject Tracer letter.

1. On Jan. 24th there was forwarded to you by 1st Ind. these headquarters a communication pertaining to examination for appointment in the Signal Officers Reserve Corps of Mr. William Frederick Friedman.

2. To date this communication has not been returned. If necessarily delayed report to that effect will be made, stating the circumstances as required by par. 181, compilation of General Orders, Circulars and Bulletins, 1881-1915; otherwise the communication will be returned to these headquarters at once, with an explanation as to reason for the unnecessary delay.

By command of Major General Bailey

E H Metzger
Asst Adjutant

1st Ind.

snw-gr

O.C.S.O. (Personnel Div.) February 14, 1922. - To the Commanding General, 3rd Corps Area, Fort Howard, Md.

1. The examination of Mr. Friedman has been delayed in this office due to the press of other work. It will be completed and report forwarded as soon as practicable, probably within the next ten days.

By authority of the Chief Signal Officer:

F. R. Curtis,
Lieut. Colonel, Signal Corps.

UNITED STATES CIVIL SERVICE COMMISSION

WASHINGTON, D. C.

December 9, 1921.

CIVILIAN PERSONNEL DIV.
Friedman, William F
DEC 14

RECEIVED
1921 DEC 17 AM 9 04

ADDRESS ONLY
CIVIL SERVICE COMMISSION
IN YOUR REPLY REFER TO
FILE B-ARG
AND RETURN THIS LETTER

CHIEF SIGNAL OFFICER
[Signature]

The Honorable

The Secretary of War.

Sir:

In notifying the department under date of December 3, 1921, of approval of the appointment of William F. Friedman as cryptanalyst at \$4500 per annum in the Signal Service at Large, Washington, D. C., under section 10 of Rule II, the restriction that his rate of pay should not be increased without prior approval of the Commission, was inadvertently crossed out. The Commission, in acting upon the case, approved it with the pay restriction and any proposal to increase his compensation, should therefore be presented to the Commission for consideration.

By direction of the Commission:

Very respectfully,

DEC 14 1921
WAR DEPT.

[Signature]
President.

d/aed

1st Ind.

War Dept., Dec. 15, 1921.- To the Chief Signal Officer.
[Signature]

CROSS REFERENCE

Clerk khk

Date 12/31/21

Cross Reference o

311.5
201 Friedman

Papers Filed in

323 Vail

Subject

Course in Codes and Ciphers.

Synopsis

12/28/21 Let Ciphers Mr. Friedman to Mr. Evans submitting names of three officers who failed to hand in their papers for credit in the course in Codes and Ciphers given at Camp Vail.

12/29/21 Let from CCSC to Comdt. Vail School requesting these officers be caused to appear on this delinquency without delay.

(Friedman, Wm. F.)

1st. Ind.

s/f/

War Dept., November 26, 1921. To the Chief Signal Officer.

Mr. Friedman, in the Civil Service Commission's form 375 herewith, states in his answer to question 5 that he has been employed in the Signal Service on a contract basis. The records of this office do not show any authority for the employment of Mr. Friedman, either by the Department or by the Civil Service Commission. Report is requested.

By order of the Secretary of War.

John C. Scofield,
Assistant and Chief Clerk.

201.-Friedman, Wm F.

2nd Ind.

eb/jst

OCSO, November 28, 1921.

To the secretary of War.

Mr. Friedman has not been employed in the Signal Service at Large. He has been given orders from time to time for furnishing various staff field and emergency codes and his status is the same as that of other contractors furnishing supplies and technical equipment to the Signal Corps.

By authority of the Chief Signal Officer.

F. R. CURTIS,
Lieut. Colonel, Signal Corps.

1 incl
Form 375

[Handwritten signature]
[Handwritten initials]

CROSS REFERENCE

Clerk: khk

Date 11/1/21

Cross Reference No. 201 W.F.Friedman

Papers Filed in 221 Cryptanalyst

Subject: Permanent appointment of Mr. Friedman as Cryptanalyst.

Synopsis:

10/31/21 Memo from Res. & Dev. to Adm. Section requesting necessary steps be taken so that Mr. Friedman can obtain permanent civil service appointment as cryptanalyst in OCSO at a salary of \$4500 per year.

War Department
Office of the Chief of Staff
Washington

Oct. 29, 1921.

TO WHOM IT MAY CONCERN:

In order that the War Department policy in regard to codes and ciphers may be complied with, it is necessary that there be employed by the Signal Corps an expert cryptanalyst. The field from which suitable persons for this duty can be selected is extremely limited. I understand that the services of Mr. W. F. Friedman, who has made an enviable record as a cryptanalyst, during and since the World War, can not be secured and consider it highly desirable that the opportunity be not overlooked.

E. Heintzelman
Lieutenant Colonel, General Staff
A. C. of S., G-2

201- Friedman, Wm. F.
Research &
Development DIVISION
Radio Engineering Section.

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

October 31, 1921.

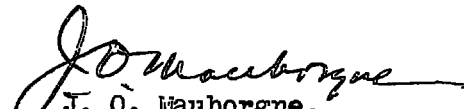
MEMORANDUM for Administration Section.

SUBJECT: Permanent Appointment of William F. Friedman as Cryptanalyst.

1. It is requested that the necessary steps be taken so that Mr. Friedman can obtain a permanent Civil Service appointment as Cryptanalyst in the Office of the Chief Signal Officer, Washington, D. C. It is considered from the data given below that it will be possible for Mr. Friedman to be given this appointment at a salary of \$4500.00 per annum under Section 10, Rule II of the Civil Service Rules, which allows appointment in special cases without requiring a competitive examination.
2. By direction of the General Staff, there has been assigned to the Signal Corps the compilation and preparation of all methods for secret correspondence to be used in the Army. For this work the services of a highly trained expert are required. This expert must have had wide experience in the preparation and compilation of codes and ciphers, and in the analysis of such codes and ciphers. The expert required must also be thoroughly competent to perform the following work: to direct instruction and deliver lectures on the proper use of codes and ciphers; to prepare instructions and papers on such subject; to compile special problems for instruction purposes; to examine and pass upon such codes and ciphers systems as are continually being submitted to the Signal Corps for consideration; to thoroughly understand the operation of the printing telegraph cipher, and be competent to direct the traffic of such a system with absolute safety and secrecy.
3. There are no more than two, or possibly three, men in the United States who can be considered expert on all of the above lines of work, and from his work with the Signal Corps, Mr. Friedman has a more intimate knowledge of the Signal Corps needs than any person who could be obtained.
4. Mr. Friedman is a graduate of Cornell University, is thirty years of age, and has been engaged for the past five years in code and cipher work in a professional way. He was a commissioned officer in the Army during the War, and has done some remarkable work in solving several ciphers which were stated to be insoluble by the best experts among the Allies and in this country.

5. It is considered from the very special nature of this work, and from the fact that there are only two or three other qualified men in the country, that Mr. Friedman can be given an appointment under Section 10, Rule II, Civil Service Rules, without a competitive examination, as it is considered that the holding of such an examination would cause unnecessary delay, as the Signal Corps has knowledge of all expert Cryptanalysts, and is positive that Mr. Friedman is better qualified for this work than any other man in the United States.

6. Form No. 375, filled out by Mr. Friedman is forwarded herewith, together with a recommendation from Major Frank Moorman, General Staff, dated October 31, 1921.


J. O. Mauborgne,
Major, Signal Corps.

2 incls.

W.F.F.
Mr. William F. Friedman,

Office, Chief Signal Officer of the Army
Washington, DC

- Oct. 1 ITEM 1. For services in connection with the
to revision and reconstruction of the following:
Oct. 31 (a) Two special editions of the Field Code
(b) Five emergency code lists for use in the field.
(c) Twelve sets of cipher tables to be used in
connection with the Staff Code:

ITEM 2. For services in connection with the
development of an electrical and mechanical method
of code compilation applicable to various types of
codes for the use of the Army.

Total payment for the services covered by this order
not to exceed the amount of \$3350.00. For one-sixth
of the service performed satisfactorily, and for which
the contractor has not received payment, the sum of **\$558.33**

I certify that the services have been satisfactorily
performed and that four-sixths of the service has been
performed to date, and that payment for one-sixth of
the service performed has not been made, and that the
amount due the contractor is \$558.33.

Chief, Research and Development Division.

Order No. 101591, P.R. No. 7532,
Contract No. SC-1033
Authority Chargeable to Procurement Authority EC-109-P-1114-A-2
dated August 1, 1921, the available balance of which
is sufficient to cover cost of same.

558 33

Code Expert

FILE

001

CROSS REFERENCE

Clerk: hrc Date 10/10/21

Cross Reference No. 201 - Friedman, W. F.

Papers Filed in 323 - Vail S.E.S.

Subject: Post Course in Codes and Ciphers.

Synopsis:

8/15/21 Letter from C.O., Camp Vail to CSO, re above subject.

8/18/21 1st Ind. from OCSO to Commandant, S.C.School, Vail, advising that Mr. Friedman's contract with the Govt. expires Dec. 31st, and it will not be practicable to arrange for his employment between the 1st of Feb. and the end of May, etc.

8/23/21 2nd Ind. from Commandant, S.C.School, to CSO, advising that the maximum time for the lectures will be fourteen consecutive daily periods of two hours each. Period from Nov. 7th to 25th.

Mr. William F. Friedman,

Office, Chief Signal Officer of the Army
Washington, D. C.

Sept. 1
to
Sept. 30

ITEM 1. For services in connection with the revision and reconstruction of the following:
(a) Two special editions of the Field Code
(b) Five emergency code lists for use in the field.
(c) Twelve sets of cipher tables to be used in connection with the Staff Code:

ITEM 2. For services in connection with the development of an electrical and mechanical method of code compilation applicable to various types of codes for the use of the Army.

Total payment for the services covered by this order not to exceed the amount of \$3350.00. For one-sixth of the service performed satisfactorily and for which the contractor has not received payment, the sum of \$558.33.

I certify that the services have been satisfactorily performed and that three-sixths of the service has been performed to date, and that payment for one-sixth of the service performed has not been made, and that the amount due the contractor is \$558.33.

Louis B. Bender, Major, S.C.,
Chief, Research and Development Division.

Order No. 101581, P.R. No. 7532,
Contract No. 90-1038
Authority Chargeable to Procurement Authority 90-109-P-1114-A-2
dated August 1, 1921, the available balance of which
is sufficient to cover cost of same.

CROSS REFERENCE

Clerk

hrs

Date

9/28/21

Cross Reference No.

201 - Friedman, W.F.

Papers Filed In.

323 - Vail S.E.S.

Subject

Lectures of Mr. Friedman.

Summary

9/19/21 2nd Ind. from the Commandant, S.C.School, Camp Vail to CSOA, requesting approval of recommendation that Mr. Friedman's lectures be given during the period from Nov. 7th to 25th.

9/27/21 3rd Ind. from OCSO to Commandant, S.C.School, Camp Vail, with approval of above recommendation.

CROSS REFERENCE

Serial hrc Date 9/15/21

Cross Reference No. 201 - Friedman, Wm. F.

Papers Filed In. 323 - Vail S.E.S.

Subject Course in Codes and Ciphers at Camp Vail

Synopsis

9/14/21 Memo. from Res. & Dev. to Training Sect., requesting information as to whether a definite schedule by days and hours has been arranged for instruction.

CROSS REFERENCE

Clerk

hrc

Date

9/6/21

Cross Reference No.

~~321.2~~
201 - Friedman, W.F.

Papers Filed In.

311.5

Subject Preparation of Code Books

Synopsis

3/21/21 Letter from the Adj. General to CSC, directing that arrangements be made for compilation of code books listed in letter.

8/31/21 Memo. from Mr. Friedman to Major Bender, giving estimates of the amount of work completed to date.

CROSS REFERENCE

Clerk

hrc

Date

9/6/21

Cross Reference No.

201 - Friedman, W.F.

~~525 - Wash. Depot~~

Papers Filed In.

676.2

Subject Storage 7 complete printing telegraph cipher units.

Synopsis

8/30/21 Memo. from Mr. Friedman to Res. & Dev. , re above subject.

CROSS REFERENCE

Clerk
hrc
Date 9/6/21

Cross Reference No. 201 - Friedman, W.F.

Papers Filed In. 676.2

Subject Modification of the Printing Telegraph Cipher.

Synopsis

8/26/21 Memo. from Mr. Friedman to Major Bender, re above subject, and requesting that Mr. Evans be granted authority to proceed with the work of modifying and constructing such apparatus as may be necessary.

217

Mr. William F. Friedman,

Office, Chief Signal Officer of the Army

Aug 1
to
Aug 31

ITEM 1. For services in connection with the revision and reconstruction of the following:

- (a) Two special editions of the Field Code
- (b) Five emergency code lists for use in the field.
- (c) Twelve sets of cipher tables to be used in connection with the Staff Code.

ITEM 2. For services in connection with the development of an electrical and mechanical method of code compilation applicable to various types of codes for the use of the Army.

Total payment for the services covered by this order not to exceed the amount of \$3350.00. For one-sixth of the service performed satisfactorily and for which the contractor has not received payment, the sum of \$558.33.

I certify that the services have been satisfactorily performed and that two-sixths of the service has been performed to date and that payment for one-sixth of the service performed has not been made, and that the amount due the contractor is \$558.33

Louis B. Bender, Major, S.C.,
Chief, Research and Development Division.

Order No. 101581, P.R. No. 7532,
Contract No. SC-1033
Authority chargeable to Procurement Authority SC-109-P-1114-A-2 dated August 1, 1921, the available balance of which is sufficient to cover cost of same.

\$558 33

CROSS REFERENCE

Clerk

hrc

Date

8/24/21

Cross Reference No. 201 - Friedman,

Papers Filed In. 323 Vail S.E.S.

Subject Post Course in Codes & Ciphers

Synopsis

8/15/21 letter from C.O., Camp Alfred Vail to CSO, re above subject.

8/18/21 1st Ind. from OCSO to Commandant, S.C. School, Camp Vail, advising that arrangements have been made for course of instruction in codes and ciphers under direction of Mr. Friedman.

CROSS REFERENCE

Clerk

hro

Date

8/8/21

Cross Reference to.

300.6 - Supply
201 - Friedman

Papers Filed In

676.2 .

Subject

Order for Placing in Order of Printing Telegraph Machines.

Synopsis

8/3/21 Memo. from Capt. Woolverton to Supply Div. Requesting that order for above be placed with the Chesapeake & Potomac Tel. Co.

Research and
Development
Executive Section

WAR DEPARTMENT,
OFFICE OF THE CHIEF SIGNAL OFFICER,
WASHINGTON.

July 22, 1921

K. H. H.

063.1

MEMORANDUM for Major Bryden,
Room 348, State, War and Navy Building,
Washington, D. C.

1. The bearer of this memorandum is Mr. William E. Friedman who is on duty in this office in connection with the preparation of various codes.
2. In accordance with your telephone conversation, it is requested that Mr. Friedman be supplied with charts showing designations of various units of the Army.

Alfred E. Larabee,
Major, Signal Corps.

Office

REF ID:A66329

UNITED STATES GOVERNMENT

bwiho

WAR DEPARTMENT TELEGRAM

Government paid

OFFICIAL BUSINESS

WASHINGTON

July 1, 1921

Commanding Officer,
Camp Alfred Vail,
New Jersey

Retel thirtieth Friedman will arrive Camp Vail July fifth
Will telephone exact time of arrival in order that arrangements
may be made for transportation to camp

Russel, Acting

FILE 4

11 11
11 11

REF ID: A66329

CLASS OF SERVICE	SYMBOL
Telegram	
Day Letter	Blue
Night Message	Nite
Night Letter	N L

If none of these three symbols appears after the check (number of words) this is a telegram. Otherwise its character is indicated by the symbol appearing after the check.

WESTERN UNION TELEGRAM



NEWCOMB CARLTON, PRESIDENT, GEORGE W. E. ATKINS, FIRST VICE-PRESIDENT

CLASS OF SERVICE	SYMBOL
Telegram	
Day Letter	Blue
Night Message	Nite
Night Letter	N L

If none of these three symbols appears after the check (number of words) this is a telegram. Otherwise its character is indicated by the symbol appearing after the check.

RECEIVED AT COMMERCIAL NAT'L BANK BLDG., 14th & G STS., N. W. WASHINGTON, D. C. ALWAYS OPEN

1921 JUN 30 PM 3 21

C216NY 22 GOVT

CAMPALFREDVAIL NJ 330P 30

W F FRIEDMAN

1778

OFFICE OF CHIEF SIGNAL OFFICER WASHINGTON DC

YOUR FIRST LECTURE SCHEDULED FOR MORNING OF JULY SIXTH REQUISITATING
YOUR ARRIVAL BEFORE TEN PERIOD THREE HUNDRED STUDENTS WITH
PREVIOUS TRAINING

HEMPHILL.

1921 JUN 30 1 AM 9 33
RECEIVED
OFFICE OF CHIEF SIGNAL OFFICER

SC-109-P-1114-A-2

BEF

GSC

Order No 101571
P F No 7532

TO William F Friedman, 1803 Connecticut Ave Washington D C

NOTE The Research & Development Division will certify as to the satisfactory performance of the above services

NOTE The supplies and services to be obtained by this instrument are authorized by are for the purpose set forth in, and are chargeable to, Procurement Authority SC-109-P-1114-A-2 dated July 26 1921 the available balance of which is sufficient to cover cost of same *pc*

By direction of the Acting Chief Signal Officer



O. R. SADLER
Major Signal Corps

CS

\$34

INT #2

PT

REF ID: A66329

SC-109-P- 114-A-2

Order No 101581
P K No 7632

August 1 1921

TO William F. Friedman, 1803 Connecticut Avenue " " Washington D C

The Research & Development Division will certify as to the satisfactory performance of the above services

The supplies and services to be obtained by this instrument are authorized by and are for the purpose set forth in and are chargeable to Procurement Authority SC-109-P-114-A-2 dated August 1 1921, the available balance of which is sufficient to cover cost of same;

By direction of the Acting Chief Signal Officer

[Handwritten signature]
A. G. GUYTON
Major, Signal Corps

[Handwritten initials]

SC-109-F-1114

00

ST #2.
BEP

GSC

Order No. 101573

P. R. No. 7532

TO: William F. Friedman, 1803 Connecticut Ave., N. W., Washington, D. C.

By direction of the Acting Chief Signal Officer:

[Handwritten Signature]
O. K. SADLER,
Major, Signal Corps.

100

#1 10

SHEET #2.
BEF

GSC

SC-109-P-1114-A-3


Order No. 10157
P. R. No. 7532

TO: Elizabeth Smith Friedman, 1803 Connecticut Avenue, N. W., Washington, D.C.

NOTE: The Research & Development Division will certify as to the satisfactory performance of the above services.

NOTE: The supplies and services to be obtained by this instrument are authorized by, are for the purpose set forth in, and are chargeable to, Procurement Authority SC-109-P-1114-A-2, dated July 26, 1921, the available balance of which is sufficient to cover cost of same. *gsc*

By direction of the Acting Chief Signal Officer:


D. Y. SADTLER,
Major, Signal Corps.

\$2250.00 SHEET #2.

SC-109-P-1114-A-2

BEF

GSC

Order No. 101571
P. R. No. 7532

TO: William F. Friedman, 1803 Connecticut Ave., Washington, D. C.

NOTE: The Research & Development Division will certify as to the satisfactory performance of the above services.

NOTE: The supplies and services to be obtained by this instrument are authorized by, are for the purpose set forth in, and are chargeable to, Procurement Authority SC-109-P-1114-A-2, dated July 26, 1921, the available balance of which is sufficient to cover cost of same. *bc*

By direction of the Acting Chief Signal Officer:

O. R. Sadtler
O. R. SADTLER,
Major, Signal Corps.

C.S.

Mr. William F. Friedman,

Office, Chief Signal Officer, Washington, D. C.

For services in connection with the reconstruction and revision of two field codes in accordance with instructions communicated confidentially from time to time by the Chief of the Research and Development Division. Total payment for services covered, not to exceed the amount of \$700.00. For 16-2/3rds% of the services satisfactorily performed..... 116 66

I certify that the services have been satisfactorily performed and that 5/6ths of the services have been completed to date and that payment for 1/6th of the service performed has not been made and that the amount due the contractor is \$116.66

J. O. Mauborgne,
Major, Signal Corps.
Research and Development Division, Chief.

Order No. 101303, P. R. 6282,
Authority S-PJ-2131, PM-1339
S-1921 - Item No. 0511.301
S. C. 7083.

Mr. William F. Friedman,

Office, Chief Signal Officer, Washington, D. C.

For services in connection with the reconstruction and revision of two field codes in accordance with instructions communicated confidentially from time to time by the Chief of the Research and Development Division. Total payment for services covered not to exceed the amount of \$700.00. For 16-2/3rds% of the services satisfactorily performed..... 116 66

I certify that the services have been satisfactorily performed and that the order 101303 calling for services in connection with the reconstruction and revision of two field codes has been completed and that payment for 1/6th of the services performed has not been made and that the amount due the contractor to close out the order is \$116.66

Alfred E. Larabee,
Major, Signal Corps.
Research and Development Division, Chief,
vice J. O. Manbergne, Major, S.C.

Order No. 101303, P.R. 6282,
Authority S-PJ-2131, PM-1339
S-1921 - Item No. 2511.301
S.C. 7083.

Mr. William F. Friedman

Office, Chief Signal Officer of the Army

For services in connection with the reconstruction and revision of a confidential staff code and three field codes in accordance with instructions communicated confidentially from time to time by the Chief of the Research and Development Division. Total payment for services covered, not to exceed the amount of \$1800.00. For 16 - 2/3rds% of the services satisfactorily performed.....

300 00

I certify that the services have been satisfactorily performed and that order 101166 calling for services in connection with the reconstruction and revision of a confidential staff code and three field codes, has been completed and that payment for 1/6th of the services performed has not been made and that the amount due the contractor to close out the order is \$300.00

Alfred E. Larabee,
Major, Signal Corps.
Chief, Research and Development Division
Vice J. O. Mauborgne, Major, S. C.

Order No. 101166, P. R. No. 5137,
Authority S-PJ-2131, FM-889,
S-1921 Item no. 0511.301
S.C. 7083

300 00

Mr. William F. Friedman,

Office, Chief Signal Officer of the Army

For services in connection with the reconstruction and revision of a confidential staff code and three field codes in accordance with instructions communicated confidentially from time to time by the Chief of the Research and Development Division. Total payment for services covered, not to exceed the amount of \$1800.00. For 16 - 2/3rds% of the services satisfactorily performed..... \$300 00

I certify that the services have been satisfactorily performed and that 5/6ths of the services have been performed to date and that payment for 1/6th of the service performed has not been made and that the amount due the contractor is \$300.00.

J. O. Mauborgne,
Major, Signal Corps.
Chief, Research & Development Division

Order No. 101166, P.R. No. 5137,
Authority S-PJ-2131, PM-889,
S-1921 Item No. 0511.301
S. C. 7083

Office, Chief Signal Officer of the Army

201
Friedman
No. 1
201

William F. Friedman

Office, Chief Signal Officer of the Army

21

Feb 1 For services in connection
to with the reconstruction and
Feb 28 revision of a confidential
staff code and three field
codes, in accordance with
instructions communicated
confidentially from time to
time by the Chief of the
Research and Development
Division. Total payment
for services covered, not
to exceed the amount of
\$1800.00. For 33-1/3%
of the services satisfactor-
ily performed to date,\$600

I certify that the services
have been satisfactory
performed and that 33-1/3%
of the services have been
completed to date and that
the amount due the contractor
is \$600 less one payment
of \$393.33 made on this
contract about February 1st,
1921.

J. O. Lamborgne,
Major, Signal Corps.
Chief, Research and Development Division

Order No. 101166,
Authority S-PJ-2131, PM-889,
S-1921 Item No. 0511.301

FILE 133
APR 30 1921

Friedman

Mr. William F. Friedman,

Office, Chief Signal Officer, Washington, D. C.

May 1

For services in connection with the reconstruction and revision of two field codes in accordance with instructions communicated confidentially from time to time by the Chief of the Research and Development Division. Total payment for services covered, not to exceed the amount of \$700.00. For 16-2/3rds% of the services satisfactorily performed.....

116 66

I certify that the services have been satisfactorily performed and that 4/6ths of the services have been completed to date and that payment for 1/6th of the service performed has not been made and that the amount due the contractor is \$116.66.

J. O. Mauborgne,
Major, Signal Corps.
Research and Development Division, Chief.

Order No. 101303, P. R. 6282,
Authority S-PJ-2131, PM-1359
S-1921 - Item No. 0511.301.
S. C. 7083

RECEIVED

APR 30 1921

Filing Section

701
Friedman
101303

William F. Friedman,

Office, Chief Signal Officer of the Army

For services in connection with the reconstruction and revision of two field codes in accordance with instructions communicated confidentially from time to time by the Chief of the Research and Development Division. Total payment for services covered, not to exceed the amount of \$700.00. For 50% of the services satisfactorily performed to date..... \$350 00

I certify that the services have been satisfactorily performed and that 50% of the services have been completed to date and that the amount due the contractor is \$350.00

J. O. Harborgne,
Major, Signal Corps.
Chief, Research & Development Division.

FILED
MAR 2 1918

Order No. 101303, P.R. 6282.
Authority S-PJ-2131, PM-1339
S-1921 - Item No. 0511.301.
S.C. 7083

Mr. William F. Friedman,

Office, Chief Signal Officer of the Army

For services in connection with the reconstruction and revision of a confidential staff code and three field codes in accordance with instructions communicated confidentially from time to time by the Chief of the Research and Development Division. Total payment for services covered, not to exceed the amount of \$1800.00. For 16 - 2/3rds $\frac{2}{3}$ of the services satisfactorily performed.....\$ 300 00

I certify that the services have been satisfactorily performed and that 4/5ths of the services have been performed to date and that payment for 1/5th of the service performed has not been made and that the amount due the contractor is \$300.00.

J. O. Mauborgne,
Major, Signal Corps.
Chief, Research & Development Division.

Order No. 101166, P.R.No. 5137,
Authority S-PJ-2131, PM-889,
S-1921 Item No. 0511.301
S. C. 7063

Mrs Elizabeth Smith Friedman

Office, Chief Signal Officer, Washington, D. C.

For services in connection with the reconstruction and revision of a confidential staff code and the construction of three field codes, in accordance with instructions communicated confidentially from time to time by the Chief of the Research and Development Division. Total payment for services covered not to exceed the amount of \$900.00. For 15-2/3rds% of the services satisfactorily performed.....\$ 150. 00

I certify that the services have been satisfactorily performed and that 4/5ths of the services have been performed to date and that payment for 1/5th of the service performed has not been made, and that the amount due the contractor is \$150.00.

J. O. Mauborgne,
Major, Signal Corps.
Chief, Research & Development Division.

Order No. 101165 P.R. 5136,
Authority S-PJ-2131 FM 888
S-1921 Item No. 0511.301
S. C. 7083.

201
Friedman
(101165-66)
Apr 1

Mr. William F. Friedman

Office, Chief Signal Officer of the Army

For services in connection with the reconstruction and revision of a confidential staff code and three field codes in accordance with instructions communicated confidentially from time to time by the Chief of the Research and Development Division. Total payment for services covered, not to exceed the amount of \$1800.00. For 16/2-3rds % of the services satisfactorily performed.....\$300 00

I certify that the services have been satisfactorily performed and that 3/6ths of the services have been performed to date and that payment for 16th of the service performed has not been made and that the amount due the contractor is \$300.00.

J. O. Mauborgne,
Major, Signal Corps.
Chief, Research & Development Division.

Order No. 101166, P. R. No. 5137
Authority S-PJ-2131, PM-889
S-1921 Item No. 0511.301
S. C. 7083

RECEIVED
MAY 8 0 1921
Filing Section

300 00

FILE

APR 1 1921

Office Chief Signal Officer of the Army

Mrs Elizabeth Smith Friedman

Office, Chief Signal Officer of the Army

For services in connection with the reconstruction and revision of a confidential staff code and the construction of three field codes, in accordance with instructions communicated confidentially from time to time by the Chief of the Research and Development Division. Total payment for services covered not to exceed the amount of \$900.00. For 16-2/3% of the services satisfactorily performed.....\$150 00

I certify that the services have been satisfactorily performed and that 3/6ths of the services have been performed to date and that payment for 1/6th of the service performed has not been made, and that the amount due the contractor is \$150.00

J. O. Mauborgne,
Major, Signal Corps.
Chief, Research & Development Division.

Order No. 101165 P. R. 5136
Authority S-PJ-2131 PM888
S-1921 Item No. 0511.301
S.C. 7082

(Mrs) Elizabeth Smith Friedman

Office, Chief Signal Officer, Washington, DC

For services in connection with the reconstruction and revision of a confidential staff code and the construction of three field codes, in accordance with instructions communicated confidentially from time to time by the Chief of the Research and Development Division. Total payment for services covered not to exceed the amount of \$900.00. For 16-2/3rds% of the services satisfactorily performed..... 150 00

I certify that the services have been satisfactorily performed and that the order 101165 calling for services in connection with the reconstruction and revision of a confidential staff code and the construction of three field codes, has been completed, and that payment for 1/6th of the services performed has not been made and that the amount due the contractor to close out the order is \$150.00

Alfred E. Larabee,
Major, Signal Corps.
Chief, Research and Development Division
Vice, J. O. Manborgne, Major, S. C.

Order No. 101165 P. R. 5136,
Authority S-PJ-2151 FM 868
S-1921 Item No. 0511.301
S.C. 7082

(Mrs) Elisabeth Smith Friedman

Office, Chief Signal Officer, Washington, D.C.

For services in connection with the reconstruction and revision of a confidential staff code and the construction of three field codes, in accordance with instructions communicated confidentially from time to time by the Chief of the Research and Development Division. Total payment for services covered not to exceed the amount of \$900.00. For 16-2/3rds% of the services satisfactorily performed..... 150 00

I certify that the services have been satisfactorily performed and that 5/6ths of the services have been performed to date and that payment 5/6th of the service performed has not been made and that the amount due the contractor is \$150.00.

J. O. Manborgus
Major, Signal Corps.
Chief, Research & Development Division.

Order No. 101165 P. R. 5136,
Authority S-PJ-2131 PM 888
S-1921 Item No. 0511.301
S. C. 7083.

CRCSS REFERENCE

Clerk khk

Date 6/9/21

Cross Reference Number . 210
201 Friedman

Papers Filed In 323 Vail

Subject

Synopsis

5/10/21 Lette from Trg. Sec. to Comdt. Vail School re course in codes and ciphers.

5/27/21 2nd Ind fro, Dir. Vail School to Comdt. recommending that the enclosed course in codes and ciphers be included in Company Officers Course 1921-22 term and not in the basic course.

6/6/21 4th Ind from OCSO to CO, Camp Vail approved. Mr. Firedman will give the instruction outlined at such time as is seen fit, with the understanding that the course be completed prior to Dec. 31.

William F. Friedman,

1803 Connecticut Avenue, N.W., Washington, DC

July ITEM 1. For services in connection with
1 to the revision and reconstruction of the
Aug 1 following:

- 1921 (a) Two special editions of the Field Code
(b) Five emergency code lists for use in the field.
(c) Twelve sets of cipher tables to be used in
connection with the Staff Code.

ITEM 2. For services in connection with the
development of an electrical and mechanical method
of code compilation applicable to various types of
codes for the use of the Army.

Total payment for the services covered by this
order not to exceed the amount of \$3350.00. For
one-sixth of the service satisfactorily performed
to date, \$558.33\$558. 33

I certify that the services have been satisfactorily
performed and that one-sixth of the service has been
performed to date, and that payment for this one-sixth
of the service performed has not been made, and that
the amount due the contractor is \$558.33.

Alfred E. Larabee, Major, SC
Chief, Research and Development Division.

Order No. 101581, P. R. No. 7532¹¹
Contract No. SG-1033.

Authority chargeable to Procurement Authority SG-109-P-1114-A-2
dated August 1, 1921, the available balance of which
is sufficient to cover cost of same.

Mrs Elizabeth Smith Friedman

Office, Chief Signal Officer of the Army

21

Jan 1	For services in connection with the reconstruction and revision of a confidential staff code and three field codes, in accordance with instructions communicated confidentially from time to time by the Chief of the Research and Development Division. Total payment for the services covered not to exceed the amount of \$900. For 33-1/3% of the services satisfactorily performed to date.....\$300
Feb 28	

I certify that the services have been satisfactorily performed, and that 33-1/3% of the services have been completed to date and that the amount due the contractor is \$300

J. O. Mauborgne,
Major, Signal Corps.
Chief, Research and Development Division

Order No. 101165
Authority S-PJ-2131-PH-888
S-1921 Item No. 0511.301

10mho

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

June 1, 1921

Major J. O. Mauborgne Research and Development Executive
Colonel Black Supply

Contracts with Mr. and Mrs. W. F. Friedman.

1. It is requested that the following contracts, effective July 1st, 1921, be made in order to cover the code and cipher work being done at the request of the General Staff.

~~The first contract~~ with Mr. William F. Friedman, 1803 Connecticut Avenue, N. W., Washington, D. C., Item 1:

For services in connection with the revision and reconstruction of the following:

- (a) Two special editions of the Field Code.
- (b) Five emergency code lists for use in the field.
- (c) Twelve sets of cipher tables to be used in connection with the Staff Code.

All of the above in accordance with instructions communicated confidentially from time to time by the Chief of the Research and Development Division, Signal Corps.

Item 2:

For services in connection with the development of an electrical and mechanical method of code compilation applicable to various types of codes for the use of the Army.

Payment shall be made from time to time for that percentage of the services completed, such percentages and amounts to be determined and certified to by the officer directing the work. Total payments for the services covered by this offer not to exceed the amount of \$2250.00

A second order to be placed with Mr. William F. Friedman, 1803 Connecticut Avenue, N. W., Washington, D. C.

Item 1.

For services in connection with the preparation of a monograph on

-2-

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER

WASHINGTON

military cryptography, including a complete set of problems and lessons in code and cipher.

Item 2:

For services in connection with the delivery of a course of lectures and conducting a course of instructions in cryptography at Camp Alfred Vail, Little Silver, N. J.

Payment shall be made from time to time for that percentage of the services completed, such percentage and amount to be determined and certified to by the officer directing the work. Total payments for the services covered by this order not to exceed the amount of \$450.00.

A third contract to be placed with (Mrs) Elizabeth Smith Friedman, 1803 Connecticut Avenue, N. W., Washington, D. C.,

For services in connection with the revision and reconstruction of the following: Item 1:

- (a) Two special editions of the Field Code.
- (b) Five emergency code lists for use in the field.
- (c) Twelve sets of cipher tables to be used in connection with the Staff Code.

All of the above in accordance with instructions communicated confidentially from time to time by the Chief of the Research and Development Division, Signal Corps.

Item 2:

For services in connection with the development of an electrical and mechanical method of code compilation applicable to various types of codes for the use of the Army.

Payment shall be made from time to time for that percentage of the services completed, such percentages and amounts to be determined and certified to by the officer directing the work. Total payments for the services covered by this order not to exceed the amount of \$1100.00.

J. O. Manborgne,
Major, Signal Corps.

Training Section
PERSONNEL DIVISION

May 24, 1921

RESEARCH & DEVELOPMENT DIVISION.

Subject: Mr. Friedman.

Information is requested as to whether Mr. Friedman will be available the latter part of June to be sent to Little Silver, N. J., to give a special series of about five lectures on Code and Cipher Work to the advanced students of the Signal Corps R.O.T.C. Camp.

[Handwritten signature]

P. W. EVANS,
Major, Signal Corps.

khk

5/13/21

311.5
201 Friedman, W. F.
353

323 Camp Vail

5/5/21 Memo from W. F. Friedman, Code Compilation Section to Major Mauborgne attaching an outline for a short course in codes and ciphers to be given at Leavenworth.

5/10/21 Letter from Trg. to Comit. Camp Vail School inclosing photostat copies of the proposed outline of short course in Codes and Ciphers. Recommendations covering this course of instruction and the time most acceptable for its inclusion in the curriculum of the Officers' Division desired.

10 11 - -
-1 11 1
7 1945

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

February, 1945

From Office Chief Signal Officer

To Mr. William Friedman, Station WAB, Aviation Services
Geneva, Illinois

Subject: Amendment of Signal Corp Order 10116

1. TO O 10116

1. Amendment of Signal Corp Order 10116 dated January 8 1945 is hereby canceled

2. This cancellation of amendment reflects the total consideration of the order in the sum of \$700.00 making a new total of \$1,000

3. It is requested that you acknowledge receipt of this letter

A Director of the Acting Chief Signal Officer

James P. Black
James P. Black,
Colonel, Signal Corps

Copies to File 4 Reg 1-Dug 2-CG-Pur 1

Order #10116
IN REPLY REFER TO

5177

FORM 2171 - REV. 9
S-1921 Item No. 0811.701
S.C. 7083

Chief Signal Officer of the Army
Washington, D.C.

WAR DEPARTMENT,
OFFICE OF THE CHIEF SIGNAL OFFICER,
WASHINGTON.

SUPPLY Division
Purchase Section
M/AJ

January 8, 1921.

From: Office, Chief Signal Officer.

To: Mr. William Friedman, Easton and Batavia Avenues,
Geneva, Illinois.

Subject: Amendment of Signal Corps Order #101166.
IN REPLY REFER TO ORDER #101166.

1. Signal Corps Order #101166, placed with you on
December 6, 1920, is hereby amended to include the follow-
ing:

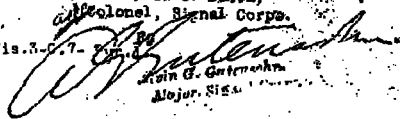
"Item 2 - For additional services in connection
with the reconstruction and revision of the codes
mentioned in Item 1 and not originally covered
therein, for the job \$700.00".

2. This amendment increases the total consideration
of the order in the amount of \$700.00, making a new total
of \$2,400.00.

3. It is requested that you acknowledge receipt of
this letter.

By direction of the Chief Signal Officer.

HARRISON B. BRACK,
Colonel, Signal Corps.



Major G. Gutroch,
Major, Signal Corps.

Copies to: Sig. Insp. 3-Req. 1-Dis. 3-7.

\$900.00

M.F. Friedman

ATS.

REF ID: A66329

S.C. Form
J-2131
PM - 888
J-1921 Item No. 0511.301
S.C. 7082

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON Dec. 6, 1920

161165
P.R. No. 5136

To: Mrs. M.F. Friedman, 21st & Batavia Avenues, Geneva, Illinois.

The Chief Signal Officer of the Army directs that in accordance with Memorandum from Engineering & Research Division, dated Nov. 30, 1920 (5b), order for the articles listed below is hereby placed with you and if accepted by you will be subject to the conditions printed on the reverse side hereof.

~~INSTRUCTIONS: The articles listed below are for the use of the Signal Corps and are to be used for the purpose of the reconstruction and revision of the confidential staff code and the construction of three field codes, constructed in accordance with general specifications communicated confidentially by the Chief of the Engineering and Research Division, under the following provisions: Preparation of the manuscripts of the codes; and all necessary proof reading after the manuscripts have been set up in type. For the Job.....\$900.00~~

~~Estimated cost of work to be performed under this order is \$900.00. This amount includes the cost of the materials and the cost of the labor to be performed under this order. The amount of \$900.00 is the maximum amount that will be paid for the work under this order. The actual amount paid will be determined by the amount of work actually performed under this order.~~

FORMS AND IDENTIFICATION NUMBERS: See paragraph 7 on reverse side of this sheet.

SHIPPING INSTRUCTIONS AND MARKINGS:

Item

- 1 Services, in connection with the reconstruction and revision of a confidential staff code and the construction of three field codes, constructed in accordance with general specifications communicated confidentially by the Chief of the Engineering and Research Division, under the following provisions: Preparation of the manuscripts of the codes; and all necessary proof reading after the manuscripts have been set up in type. For the Job.....\$900.00

Note: Engineering and Research Division will certify as to the satisfactory performance of the above services.

By direction of the Chief Signal Officer.

J.R. Curtis
J.R. CURTIS,
Lieut. Col., Signal Corps.

Payment will be made by Zone Finance Office, 18th and C Sts., N.W., Washington, D.C.

Incls.
Copies: LE 4-Insp 3-Regt-Dis 2-SCGSD 1-101-Purl-Rec2-Con-DS



Item

2 For additional services in
connection with the reconstruction
and revision of the Codes mentioned
in item 1 and not originally
covered therein

Research & Development Division
Office Chief Signal Officer

REF ID: A668229

MEMORANDUM FOR

126197 APR 1921.

HO
Please file carefully
in our office for
reference when monthly
vouchers are made.

J. O. MAUBORGNE,
Major, Signal Corps.

Friedman vouchers

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

MEMO for Major Mauborgne

In re to drawing up next contracts, do you not think it better to make two separate ones for Mrs. F and myself. It would look quite large when put into only one contract.

Here is a tentative outline-

For J.F.F.

SERVICES IN CONNECTION WITH THE

- | | | | |
|---|---|--|---------|
| A | ① | 1) Development of an automatic method of code compilation, applicable to various types of codes for the use of the Army. | \$ 800. |
| | | 2) Revision and reconstruction of five Emergency Code Lists for use in the field | 200. |
| | | 3) Revision and preparation of twelve sets of cipher tables to be used in connection with staff code | 200. |
| | | 4) Revision and reconstruction of two special editions of the field code | 800. |
| | | Total for | \$2000. |

Handwritten: \$2250

For W. F. F.

SERVICES IN CONNECTION WITH THE

- | | | | |
|---|---|---|--------|
| B | ② | 1) Preparation of a monograph on military cryptography, including a complete set of problems and lessons in code and cipher | \$ 100 |
| | | 2) Delivery of a course of lectures, and conducting a course in cryptography at Little Silver, N. J. | 350. |
| | | Of instruction Total for | \$450 |

Handwritten: B

Handwritten: \$2700.

The above will include the necessary amount for typist.

For Mrs. W. F. F.

SERVICES IN CONNECTION WITH THE

- | | | | |
|----|--|----------------------------|---------|
| 1) | | | |
| 2) | | | |
| 3) | | All as above in Contract A | \$1100. |
| 4) | | | |

Handwritten: Pay 1/6 a month

Please advise me what you think of the above outline. I suppose it will not be necessary to itemize the contracts in final form, I make the above distribution only as a guide

Handwritten: Mrs. W. F. F.

7-

①

Aug 1 - 1/5 no 1	450.00	✓
Sept 1 - 1/5 no 1	450.00	
Oct 1 - 1/5 no 1	450.00	
Nov 1 - 1/5 no 1	450.00	
Dec 1 (all no 2)	450.00	
Jan 1 - 1/5 no 1	450.00	

2700.00

Mrs F. _____

Reads like A except each voucher
for 1/6.

261
FriedmanSupply
AGG-CRC

February 26, 1921.

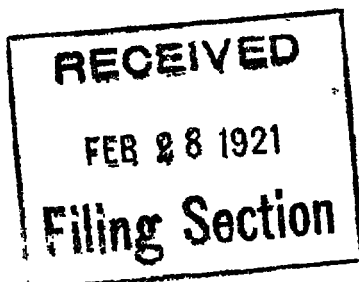
MEMORANDUM for SUPPLY DIVISION:

1. On January 6, 1921 this Division requested that you amend Order #101166, placed with Mr. William Friedman, to provide for additional services in connection with the order in question.

2. It is now recommended that the amendment, if issued, be revoked, and that order be placed with Mr. Friedman for services in connection with the reconstruction and revision of two-field code, in accordance with instructions communicated confidentially from time to time, by the Chief of the Research and Development Division.

3. Payments shall be made from time to time for that percentage of the services completed, such percentage and amount to be determined and certified to by the officer directing the work; the total payments for the services covered by this order not to exceed the amount of \$700.00.

J. O. MAUBORGNE,
Research and Development Division,
Executive.



FEB 26 1921

Jom:ho

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

February 16, 1921

Records
Z
Friedman, M. & Mrs
P.R. 5136
5137

Major J. O. Hamborgne	Research and Development	Executive
Major Gutensohn	Supply	Purchase

Contract with Friedman's, P. R. 5136-5137

1. With reference to your memorandum dated February 15th, (P.R. 5136 and 5137), your understanding of what is desired is correct. The situation which exists is as follows: there is a Staff Code now in existence which is to be revised. It is not at all a matter of producing an entirely new code. All that is required is the revision of the existing code. The same applies to the three Field Codes covered by the orders placed with Mr. and Mrs. Friedman.

2. With the understanding that services only are required of the contractors, it is believed that the wording of the orders in each case, should be:

" Services in connection with the reconstruction and revision of the confidential Staff Code, and three Field Codes, in accordance with instructions communicated confidentially by the Chief of the Research and Development Division. Payment to be made approximately the 1st of each month for services rendered during the preceding month."

3. It is requested that the existing contracts with Mr. and Mrs. Friedman be cancelled or amended as indicated above.

J. O. Hamborgne,
Research and Development Division
Executive.

FILE

FEB 16 1921

OX 2
12-12-21

IN REPLY REFER TO

Chief Signal Officer of the Army WAR DEPARTMENT
Washington, D. C. OFFICE OF THE CHIEF SIGNAL OFFICER
Supply DIVISION WASHINGTON
AGG-CFH

February 15, 1921.

MEMORANDUM for Research and Development Division:-

IN REPLY REFER TO P. R. 5136 and P. R. 5137.

1. Your attention is invited to your memorandum of November 30, 1920, requesting the Supply Division to place an order with Mrs. W. F. Friedman for:

"services in connection with the reconstruction and revision of a confidential staff code and the construction of three field codes, constructed in accordance with general specifications communicated confidentially by the Chief of the Engineering and Research Division, under the following provisions: Preparation of the manuscripts of the codes; and all necessary proof reading after the manuscripts have been set up in type - for the job\$900.00"

2. It now develops that although your memorandum did not so state, it was your intention and agreement with Mrs. Friedman to pay her in monthly installments for that portion of the work completed during the preceding month. As a statement to this effect was not included in your memorandum, it was not placed in the order; therefore when Mrs. Friedman presented her first voucher for \$150.00, the Disbursing Officer held that the Signal Corps was not contracting for services but was rather contracting with Mrs. Friedman for the actual delivery of four code books, and therefore refused to pay her until the completion of her work. The matter was taken up with the Auditor and in the first conference he informally upheld the Disbursing Officer, but when all the facts were presented to him he decided that if the confidential Staff code and the three Field codes upon which Mrs. Friedman is working were in existence when the order was placed, and if Mrs. Friedman is engaged in reconstruction, revision, bringing up to date, or improving existing codes, the contract actually covers services and the Signal Corps may draw up a supplementary contract providing for periodical payment of services.

- 2 -

3. In this connection your attention is invited to the fact that your memorandum apparently indicates that the Staff code is in existence, but the Field codes are not. Upon taking up this matter with one of your force it develops that there is a possibility that the three Field codes are also in existence, and that Mrs. Friedman may be engaged in reconstruction and revision of them, rather than in the production of a new article. A statement from your division on this point is requested.

4. Referring to a second memorandum from your division, dated November 30, 1920, you are advised that the same statements made in the preceding paragraph concerning the contract placed with Mrs. Friedman also hold concerning the contract placed with Mr. Friedman. It is therefore requested that you furnish the same information concerning the work being done by Mr. Friedman.

5. Your attention is further invited to the fact that since the contracts of Mr. and Mrs. Friedman are identical in wording except for the amounts, if they are held to cover the delivery of completed material rather than special services, the Signal Corps would necessarily require the delivery of ~~six~~ ^{three} Field codes from each Mr. and Mrs. Friedman.


HANSON B. BLACK,
Colonel, Signal Corps.

O.O.SO

Govt. paid

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

December 15th, 1920.

Mr. W. F. Friedman
Easton & Batavia Aves.,
Geneva, Ill.

Your formal acceptance orders one hundred one one six five
and six six received stop Arrangements made for you to start work
upon arrival stop End of month satisfactory.

BLACK ACTING

101125
FILE

DEC 15 1920

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

2 December, 1920

Engineering
and Research
jam:ho

My dear Friedman:

I have just received your letter of November 29th, confirming your telegram of the 27th. Upon receipt of the telegram I at once put through the request for the preparation of the necessary placing of the order for your services as well as the services of Mrs Friedman. A copy of the request is enclosed herewith, in order that you may see the wording, which is in accordance with our "gentleman's agreement".

Your letter was very interesting. I expect violence. Moorman has been properly coached so it is up to you to spill the beans.

Sincerely yours,

Mr. William F. Friedman,
Easton and Batavia Aves.,
Geneva, Illinois.

Jcm:ho

WAR DEPARTMENT

OFFICE OF THE CHIEF SIGNAL OFFICER

WASHINGTON

30 November, 1920

Major J. O. Manborgne Engineering and Research Executive
 Captain Albro Executive Requirements
 Order for Services of Mr. William F. Friedman.

1. It is requested that immediate steps be taken to place an order with Mr. W. F. Friedman, Easton and Batavia Avenues, Geneva, Illinois, for

"services in connection with the reconstruction and revision of a confidential staff code and the construction of three field codes, constructed in accordance with general specifications communicated confidentially by the Chief of the Engineering and Research Division, under the following provisions: Preparation of the manuscripts of the codes; and all necessary proof reading after the manuscripts have been set up in type - for the job - \$1800."

2. Inasmuch as this is a matter of urgency, it is requested that the placing of the order be expedited as much as possible. In this connection, partial payments are to be made as various parts of the problem are considered finished.

J. O. Manborgne,
 Engineering & Research Division
 Executive

Jombs

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

30 November, 1920

Major J. O. Manborgne	Engineering and Research	Executive
Captain Albre	Executive	Requirements

Order for Services of Mrs W. F. Friedman:

1. It is requested that immediate steps be taken to place an order with Mrs W. F. Friedman, Easton and Batavia Avenues, Geneva, Illinois for

"services in connection with the reconstruction and revision of a confidential staff code and the construction of three field codes, constructed in accordance with general specifications communicated confidentially by the Chief of the Engineering and Research Division, under the following provisions: Preparation of the manuscripts of the codes; and all necessary proof reading after the manuscripts have been set up in type - for the job...\$900.00"

2. In this connection partial payments are to be made as various parts of the problem are considered finished.

3. Inasmuch as this is a matter of urgency, it is requested that the placing of the order be expedited as much as possible.

J. O. Manborgne,
Engineering and Research Division
Executive

CLASS OF SERVICE	SYMBOL
Telegram	
Day Letter	Blue
Night Message	Nite
Night Letter	N L
If none of these three symbols appears after the check (number of words) this is a telegram. Otherwise its character is indicated by the symbol appearing after the check.	

WESTERN UNION TELEGRAM

CLASS OF SERVICE	SYMBOL
Telegram	
Day Letter	Blue
Night Message	Nite
Night Letter	N L
If none of these three symbols appears after the check (number of words) this is a telegram. Otherwise its character is indicated by the symbol appearing after the check.	

NEWCOMB CARLTON PRESIDENT

GEORGE W. E. ATKINS FIRST VICE PRESIDENT

RECEIVED AT:

77 wu a 20

Batavia Ill Nov 29 1920 4pm

Maj J O Mauborgne, Office of the Chief Signal Officer, Signal Corps

Washn DC

Acknowledging letter Nov twenty seventh please prepare contracts for
both on straight six months basis as per letter confirmation following

W F Friedman

14 462
119
RECEIVED
1920 NOV 29 P. 1 4 35

CHIEF SIGNAL OFFICER

Easton and Batavia Aves.
Geneva, Illinois,
Nov. 29, 1920.

Dear Major Mauborgne:

I beg leave to acknowledge your letters of Nov. 24th and 27th, both of which arrived this morning.

With reference to the one of Nov. 27th, I wired you today as follows:

" Acknowledging letter November twenty seventh. Please prepare contracts for both on straight six months basis, as per letter. Confirmation follows. "

All the questions raised in my letter of Nov. 22nd have been answered satisfactorily. I think the arrangement that I work for six months at \$300. a month, and Mrs. Friedman for a similar period at \$150. a month, with the understanding that if the work is not completed at the end of that time a second contract be made is the better, and I so wired you.

The information with regard to your talk with Major Moorman is gratifying in more than one way, and I thank you both very much. Major Moorman, by the way, is coming to visit Riverbank on Dec. 6th, though with what purpose is not very clear to me. I think Col. Fabyan is of the opinion that he is coming to see what kind of place it is, with a view to effecting some sort of a liaison, but personally I do not think so. Major Moorman said that he is coming to learn something more about code and cipher. I trust that he will appreciate the necessity for withholding from Col. Fabyan any inkling as to what^{is} being contemplated by ourselves, unless I see fit to break the news myself at the time of his visit. If you have any doubt about his appreciation of this necessity-- it is a delicate matter for me to suggest it to him because I have already asked him to regard my letters to him in reference to my application for a commission as strictly confidential--will you be good enough to put him on his guard. The Colonel is almost uncanny ~~as~~ a self-constituted "intelligence agent", and Major Moorman has not had the experience and the facts we both have with the man.

The rest of this letter will deal with the ~~the~~ last paragraph of your letter. It may be that the "old gentleman seems to be smelling a rat", and it would not be an utter surprise, but I am fully convinced that should he really find out our plans before the time is ripe, he would stop at almost nothing to prevent their consummation. I have had one sad experience already and do not want to have another like it if I can avoid it. Certain it is that the greatest mistake we could make now is to ask for his permission. In the first place, I feel under absolutely no obliga-

tions to him-- quite the other way around it seems to me, and as I hope to be able to show you very soon. In the second place, it is necessary to have everything definitely settled before breaking the news to him, otherwise no one can tell what might be the consequences as far as our relations contemplated with the Signal Corps are concerned. He is as powerful as he is ruthless. Of course the storm will be the more terrific on this account but then once that is over the way will be clear. Therefore, I may as well be frank in saying that I will make no move until the contracts have been signed in due form and all arrangements completed. In any case, should a slip-up occur by any chance in our contemplated connection with the Signal Corps, we shall nevertheless sever our relations with Riverbank, so that Col. Fabyan has nothing to gain in any case.

The sooner all arrangements are completed the better, and the happier we shall all be. I await the contracts.

Very sincerely yours,

W. F. Friedman

Major J. O. Mauborgne,
Office of the Chief Signal Officer,
Signal Corps,
Washington, D. C.

201 Friedman

Engineering
and Research
jom:hoWAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

27 November, 1920

My dear Friedman.

Your confidential letter of 22 November, reached me by special delivery. Your questions with reference to your employment as a civilian are easily answered. They will be referred to serially.

Reference question 1, the Signal Corps will furnish the following:

(a) Working quarters in the Office of the Chief Signal Officer, including necessary equipment and furniture such as desks, filing cases, typewriter and space in a vault for the safe-keeping of all books and papers.

(b) The services of a typist or a stenographer and typist if necessary.

(c) All materials in the way of papers, filing cards and such paraphernalia as may be essential.

(d) A sample of each type of code to be constructed as per specifications furnished. In the case of the Staff Code, the situation which exists is that a complete manuscript of the Staff Code has been prepared by Major Barnes. All that will be necessary is to re-arrange the phrases according to a hit or miss system so that the labor on this code is not nearly so much as you may expect. The code in its final form will consist of two parts, the enciphering section and the deciphering section. The other Field Codes are, if based on the preceding models, very simple affairs, although due consideration must be given to the introduction of certain new phrases which have been found necessary as the result of experience.

With reference to your question 2, we have need at the present time for three Field Codes and a contract will cover exactly that number. The type of the code is similar to the Field Codes Numbered 1, 2, and 3, employed in France. I regret that I am not able to send you a sample, but as you perhaps remember, they

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

are very simple codes, consisting of about 2000 words and phrases.

With reference to paragraph 3, that is, "if the work is finished before six months, will it be considered that my part of the contract will have been completed?", would state that with Mr. Barnes the arrangement was that he would be paid so much for the job, divided into equal monthly payments. We believe that it will be six months at least, hence the price of the job was accordingly so settled. However, once the contract is made according to the terms "so much for the job", we have no right to hold you for any period of time, the contract simply stating "for services in the construction, etc., for the job" so much. Hence when the job is finished, be it in one month or six, the lump sum should be paid. If the work is not finished within six months, by the same arrangement, you would not receive any more money than the total amount specified for the job. Hence, the gentleman's agreement which was made between the Signal Corps and Mr. Barnes seems to be the best possible one, namely, that you work for a period of six months at what amount^s to a monthly salary and complete the job in exactly six months, or, on the part of the Signal Corps, in case the work is not complete, an additional contract can be made with you, as was made in the case of Mr. Barnes, on the continuation of the job at the same rate of pay. This arrangement assures you a monthly income of \$300.00 a month.

I am rather anxious to know how you look on this proposition, first, as to whether you want it stated that you will work for six months at \$300 a month, and if the codes are not completed due to changes in them which may be introduced by the Signal Corps, that another contract be made with you for another period of six months, or if you prefer to take the proposition at its face value and complete the job in a shorter or longer time than six months, carrying the job to completion, which includes the proper reading of the proof, and the time necessary for it to get in the hands of the public printer, in which there might be some delay. That is a difficulty over which the Signal Corps has no control, and depends upon the amount of work in the Government Printing Office. However, if your six months work took you up to the point where the manuscript was ready for the printer and he spent a month or more getting it into shape, it would be quite probable to do one of two things, either take you on for a period while the printing was going on and give you some small work such as the preparation of another small code or something of the sort while you were waiting for your proof, or let you go and make another contract with you when the proof was ready, depending upon how you felt about it.

Yesterday I had a talk with Moorman about your employment, and he promised me that in case the Signal Corps

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

ran out of work in your line, he would be very glad, if you were willing, to make a place for you and take care of you and Mrs. Friedman, if the Signal Corps could not. However, Colonel Curtis, our Executive Officer here, is of the opinion that there will be plenty of work for you to do with the Signal Corps if you want to make contract after contract on this basis.

With reference to your question 4, there would be no objection if you so desired for you to work in the office evenings and Sundays. Also if you so wished, you might take part of the work home, if you were quite sure of having the manuscript under lock and key.

Your question 5 I have answered before, that is with reference to the delay in the printing of the manuscript.

With reference to paragraph 6, a definite and formal contract for Mrs. Friedman's services can be sent at the same time as that of your services. I have secured the permission of the Executive Officer to engage the services of Mrs. Friedman in this manner.

With reference to your final paragraph, I should like to commence the work as soon as possible after the signing of the contract. You will appreciate the fact that this letter is highly confidential and that it is not in the nature of a formal agreement or a contract between the Government and yourself, and that nothing I have said binds the Government officially. This is a gentleman's agreement and you will find that it can be carried out to the letter although none of this correspondence appears in the official files. The point is, Friedman, that we need your services with the Government and that we would like to have them for a continuing period of time regardless of what kind of a job we call it or what the work is that has to be done, so long as it has to do with codes and ciphers. We feel that it would be a great misfortune if the Friedman family were to retire to some other kind of a job than code and cipher work and hope to make an arrangement which is agreeable to both you and ourselves.

The only fly in the ointment now seems to be the fact that the old gentleman seems to be smelling a rat and he wrote me a very peculiar letter, very much about nothing in an attempt to get me to say something, very likely about your future. I said nothing in my letter about you. This may, perhaps, have been a

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

mistake, because I am pretty sure that he is going to feel very much hurt because I have not asked his permission before requesting you to take a job with the Government, or to do work for the Government in the nature of a job. However, I think that this is a matter which you can best decide. If you decide to bring the matter to his attention yourself and think that I had better not say anything about it, so be it. I expect to have a tower of wrath descend upon me in any case. On the other hand, if you think that I had better say something about it prior to actually sending you a contract, let me know about it as soon as possible. In any case I shall be glad to have you let me know what you wish to do at a very early date, for it takes a few days to get an order through and a contract made out, etc.

With warmest regards

As ever,

Major, Signal Corps.

Mr. W. F. Friedman,
Easton and Batavia Aves.,
Geneva, Illinois.

21
Friedman
M A

Engineering and

Research
jom:ho

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

24 November, 1920

F - 1 - 10
NOV 27

My dear Friedman:

The Chief Signal Officer heard yesterday from his very insistent letter about your case. It was returned from the Adjutant General's Office with the information that the second report of the doctors on the board had confirmed the findings of the first and that you were physically disqualified for service on account of the condition of your heart.

I do not know whether this is a more severe blow to you that it is to the Signal Corps. The entire board of review, together with the Chief Signal Officer, was unanimous in recommending that everything possible be done to get you into the service, but there is now no hope. I cannot tell you how sorry I feel about this personally, but I do hope that we can be able to make some sort of an arrangement with you as a civilian to do our code compilation work. I suppose that an answer to my letter of the other day will cross this one on the way, with reference to your employment as a civilian.

Your letter of November the eighteenth, was very enlightening as it gave me a little different idea about what the situation was out your way. I hope you will feel entirely free to discuss my proposed arrangements about your civilian employment, and will speak frankly.

With best regards to Mrs Friedman

As ever,

Major, Signal Corps.

Mr. W. F. Friedman,
Easton & Batavia Aves.,
Beneva, Illinois.

NOV 27 1920

Geneva, Illinois,
Easton and Batavia Aves.,

November 22, 1920.

Dear Major Mauborgne:

Replying to your confidential letter of Nov. 19th, the information with regard to the action taken by the Board of Review is very interesting but I have little hope of anything coming from it. As I see it, the papers constituting the supplementary report from the Local Personnel Board made no change in my case at Washington. Nevertheless, I thank you.

Now with regard to the details of civilian employment as outlined in your letter, the offer is interesting enough to warrant my careful consideration and before giving a definite answer I would like information on the following points, some of which are, of course, of minor importance, but will have some bearing upon the situation.

1. Will the Signal Corps furnish the following:
 - a) Working quarters, including the necessary equipment and furniture, such as desks, filing cases, typewriter, etc., also a vault for safekeeping of all books and papers.
 - b) Services of a typist. This, I suppose, would not necessarily include the full time of the operator.
 - c) Materials in the way of paper, filing cards, and such paraphernalia as would be essential in work of this nature.
 - d) A sample of each type of code to be constructed as per specifications furnished.
2. I note that at one place in your letter you say "... as well as the preparation of two or three field codes", and in the quotation of the proposition as made to Mr. Barnes, it says "... and the construction of three field codes". Will you please indicate the exact number and type of the codes to be covered by the contract?
3. If the work is finished before six months, will it be considered that my part of the contract will have been completed? And if the work is not finished within six months, will the completion be at my own expense?
4. If quarters are to be furnished in a government building, will it be possible for me to work evenings and Sundays, or will the working hours be limited to government hours?
5. If a delay outside my control is occasioned in the printing of the manuscripts, and a considerable period of time will be necessary before the proofs are forthcoming, will such delay be chargeable to my time and my account? If such a delay

should exceed one month, would I be free to go about my business until the proofs are forthcoming? This question may seem a bit far-fetched to you, but I have had some unpleasant experiences due to delay and strikes and so on in private printing offices. I suppose, however, that the case is much different in the government printing office.

6. Finally, I want to ask whether a definite and formal contract for Mrs. Friedman's services can be sent at the same time as that for my services? Her aid in this work would be a very great advantage not only to me but more so to the government on account of her previous experience and ability in cryptography.

Will you please also indicate how soon you would want the work to commence after the signing of the contracts? I may add in confidence that my past experience with my present employer and the experience of others of whom I have knowledge, makes it very advisable to have a definite contract signed before acquainting him of my intentions.

I hope to hear from you very shortly.

Very truly yours,

Major J. O. Mauborgne,
Office of the Chief Signal Officer,
Signal Corps,
Washington, D. C.

W. F. Friedman

AG 201 (Friedman, W. F.) DC 1st Incl.

WH-513-394

War Department, The A.G.C., 20 November 1920. To the Chief Signal Officer, Washington, D.C.

1. Returned. The records of this office show that a supplementary examination was received in the case of this applicant with the same physical findings as were noted on the original report.

2. Since the final selecting board has completed its work and adjourned, request for further consideration of the case of this applicant under the provisions of Section 24, Act of Congress, approved June 4, 1920, is disapproved.

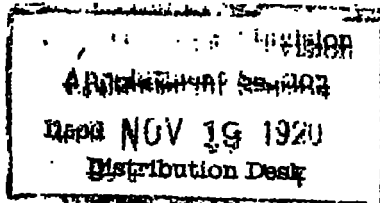
By order of the Secretary of War:

J.H. [Signature]
Adjutant General
RECEIVED
NOV 22 AM 9 19
CHIEF OFFICE
SIGNAL OFFICER

*File
11/21/20
[Signature]*

be made, and that the government was always given the benefit of the doubt, and that my case could not be determined absolutely at the time of my first examination, so they decided to pass me and the examining board was notified to that effect. The President of the board, Colonel Burgess, informed me that my papers had already been forwarded, but that they could and would make a supplementary report."

3. It is believed that an error has been made in the handling of these papers and it is desired that a thorough investigation be made of the records in the case in order to determine whether or not the supplementary report mentioned in the above quotation was ever received in The Adjutant General's office. If possible, it is hoped that this man's case can be referred to the Signal Corps Board of Review.



George O. Squier
 George O. Squier
 Major General,
 Chief Signal Officer of the Army.
GMS

201 Friedman

Engineering
and Research
jom:hoWAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

19 November, 1920

My dear Friedman:

This letter is highly confidential.

Your case came before the Board of Review of which I am a member and it appeared that you had been turned down physically by the Board upon first examination and that the Surgeon General had concurred. The entire Board recognized the value you would be to the service, and have taken the letter you wrote me stating what happened at your examination and how you were examined the second time and passed physically, and have prepared a letter for the signature of the Chief Signal Officer requesting a reconsideration of the papers in your case, and inviting attention to the fact that the Board was not allowed to pass upon the case, which was settled solely upon the physical examination, so that now I do not know what the outcome will be.

At any rate, there is no reason why we should not at once consider your employment as a civilian in connection with the revision of the confidential staff code, as well as for the preparation of two or three field codes which are needed without delay by the Signal Corps. Barnes, who did the first work on the staff code, is apparently tied up with another company until next March and the Signal Corps cannot afford to wait that long to have Mr. Barnes do any work in the way of further revision of the staff code. I want to see how you feel about the same kind of a proposition as we made Mr. Barnes, namely, the Signal Corps places an order with him as a code expert for "services in connection with the reconstruction and revision of a confidential staff code and the construction of three field codes, constructed in accordance with general specifications communicated confidentially by the Chief of the Engineering and Research Division, under the following provisions: Preparation of the manuscript for the code; and all necessary proof reading after the manuscript has been set up in type - For the job.....\$1800.00".

-2-

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

This is the way the order reads, and what actually happens is that we can certify each month, as we did in the case of Mr. Barnes, that a certain amount of work has been done, which warrants the payment to you of about \$300 a month. I appreciate the fact that this is less than you are getting, but the situation at present is that I cannot hire you at a salary greater than that which we paid Mr. Barnes.

I trust that this arrangement may meet with your desires and that you will advise me that you are ready to accept a contract of this sort as soon as possible.

It is also quite possible that we might engage Mrs Friedman's services as an assistant, since it is practically impossible for a lone individual to do this work. Mrs Friedman's salary in this case could probably not be made more than \$150 a month, or rather a contract might be made with her to do a certain job for a lump sum of \$900 for the job, and we can arrange to make monthly payments.

Let me hear from you about this matter as early as possible so that I may know how you feel about the matter.

Very truly yours,

Major, Signal Corps.

Mr. William H. Friedman,
Easton and Batavia Avenues,
Geneva, Kane Co., Ill.

Easton & Batavia Aves.,
Geneva, Illinois.,
Dec. 13, 1920.

Dear Major Mauborgne:

I am enclosing you herewith formal acceptances of Orders No. 101165 and 101166, and ask that you please wire acknowledgement of receipt of these acceptances and that all arrangements are completed for our coming to Washington to start work.

~~It is going to be a somewhat difficult~~
matter to break the news here and we expect a good sized row. For your information, I am putting the matter up to the Colonel in the following way, which may serve for a cue in case you want it: I have come to a realization of the futility of working for anybody else. I now have an opportunity to go into business for myself, as a consulting expert and operator in codes and ciphers. I have already obtained a contract from the government for services. The same applies to Mrs. Friedman.

We hope to be able to leave here within a week after receipt of your wire, certainly by Dec. 31st, 1920. If you have any suggestions or definite wishes with respect to the date of beginning our work please advise.

With hopes that the "agony" will soon be over, I am,

Sincerely yours,

Major J. O. Mauborgne,
Office of the Chief Signal Officer,
Washington, D. C.

W. F. Friedman

Easton & Batavia Aves.,

Geneva, Illinois.

Nov. 18, 1920.

Dear Major Mauborgne:

I wired you today as follows:

"Acknowledging letter November fifteenth, temporary civilian situation interests me. Please write particulars."

I await your reply with interest.

In reference to your letter. I could tell you more things about that local examining board that would further interest you, but shall refrain until a more favorable opportunity.

Two days ago I received a formal, mimeographed notification from the A. G. O's office, dated Nov. 11th, to the effect that I had not been selected for appointment, but stating no reasons therefor. In view of your letter, I am certain that either my papers have been lost or that they have been shunted from the Board of Review of which you are a member. However, it may also be that this notification is due to the following circumstances:

You will recall that the Medical Board turned me down at first, and that the Local Personnel Board immediately forwarded my papers to Washington. It may be that this notification is simply a routine result of the first report. After the second Medical Examination, the Board forwarded (or said it would) a supplementary report, which may be slower than usual in going through channels, or may be lost, or may not have gone through your board. In any case I would like to know what happened and would appreciate information on the subject if you can trace the matter.

There is, however, a bit of information which, while it can have no effect upon my case now, I do want you to know. It is this: In October, 1917, The M.I.D. offered, in writing, to commission me and send me over in charge of the bunch. This letter (photostat copy of which I have) and its contents were withheld from me and not until February, 1919, did I learn of the matter. Had I known at the time, I surely would have accepted and just as surely would have come back a major, barring accidents. As it was, only after my threat of enlisting as a private in March, 1918, were serious attempts made by my employer to get me a commission. As a first lieutenant, going over after most of the men has already established themselves, and being in for only five months before the Armistice, there was no chance for a promotion, especially in the MID where they were very slow in coming.

However, I realize that there is no chance in view of what you say, of a captaincy, and I certainly cannot accept anything less. Of course, in some respects I regret, as much as you do, the way it has turned out, but frankly, I did not bank a great deal upon it. I note that you think I have already left Riverbank, and I suppose you gathered this impression from my requests regarding addressing my mail. However, I have not yet severed my connection with the place, and indeed, I am sure that Colonel Fabyan has no idea of my decision as yet. This is why I requested, and still ask, that you keep my correspondence in confidence until the smoke blows away-- and I assure you there will be a deal of it when the time comes.

I certainly thank you for your assurances of regrets and for your warm interest in me, but I do not want you to feel that in asking me to enter application for commission the result has turned out unfortunately for me, or that it caused a great upheaval in my life, for such was not the case. I had no intention of staying here the rest of my life.

-3-

I await your letter in answer to my telegram, and while I certainly appreciate the pressure at which you are always working, I would appreciate a reply at your very earliest convenience.

Thanking you again, I am, with best regards from Mrs. Friedman and myself,

Very sincerely yours,

W.F. Friedman

Major J. O. Mauborgne,

Office of the Chief Signal Officer,

Signal Corps,

Washington, D. C.

CLASS OF SERVICE	SYMBOL
Telegram	
Day Letter	Blue
Night Message	Nite
Night Letter	N L

If none of these three symbols appears after the check (number of words) this is a telegram. Otherwise its character is indicated by the symbol appearing after the check.

WESTERN UNION TELEGRAM

REF ID: A66329



NEWCOMB CARLTON, PRESIDENT

GEORGE W. E. ATKINS, FIRST VICE-PRESIDENT

CLASS OF SERVICE	SYMBOL
Telegram	
Day Letter	Blue
Night Message	Nite
Night Letter	N L

If none of these three symbols appears after the check (number of words) this is a telegram. Otherwise its character is indicated by the symbol appearing after the check.

RECEIVED AT

A 431 RD 12

GENEVA ILLS 335P 18

MAJOR J. O. MAUBOGNE

7432

OFFICE OF CHIEF SIGNAL OFFICER SIGNAL CORPN WASHINGTON DC

ACKNOWLEDGING LETTER NOVEMBER FIFTEENTH TEMPORARY CIVILIAN SITUATION

INTERESTS ME PLEASE WRITE PARTICULARS

14,396
 20 NOV 18 PM 5:15
Friedman

RECEIVED
 1920 NOV 19 4 9 32

FRIEDMAN.

OFFICE
 CHIEF SIGNAL OFFICER

RECEIVED
 NOV 17 1920
 Filing Section

... is due to my from this date - 19 Nov - 20
and was in possession of him ...
confidential.

Engineering and

Research

jom:ho

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER

WASHINGTON

15 November, 1920

NOV 16 1920

201
Friedman

W.F.

My dear Friedman:

I have received several letters from you, the last under date of November the first, but I have been so pressed by work that I have not had an opportunity to send you any answer until now.

The story of what happened to you before the Examining Board is very interesting. I am a member of the Board of Review of the Signal Corps and I have a strong temptation to show your letter to the Board when it receives your case. It seems to have taken quite a time to travel from Camp Grant to Washington, as we have not yet received the papers. It is too bad that the Personal Board's decision was that you had to take the examination in Electricity. Other Boards, I am satisfied, would have been more lenient, particularly when a man has had a physics course which always includes the subject of electricity and magnetism.

However, the more important thing to me seems to be the fact that the highest board in session is sticking to the old rule that a man cannot be granted a commission in a grade higher than that which he held during his emergency service. This is most unfortunate, because I am afraid that it is going to mean that you cannot see your way clear to coming in in the only grade that can be given you. I have seen several cases recently in which the inferior boards, including the Board of Review, have recommended a man for a grade higher than that he held during the war, and it invariably was turned down by General Pershing's Board, so I am absolutely helpless in the matter of changing their decision.

I do not know what trouble has been brewing at Riverbank, and why you left, and it is not my purpose to find out, but it appears to me that Colonel Fabyan has missed one bet when he thought that we were going to commission you and send you to Riverbank. There never has been any such idea in the head of anyone in this office. We certainly have enough work for you to do in the Army without detailing you to some "grand and glorious" laboratory, even though that laboratory may be doing work for the Government, so you may

RECEIVED

NOV 16 1920

Filing Section

WAR DEPARTMENT
OFFICE OF THE ⁻²⁻CHIEF SIGNAL OFFICER
WASHINGTON

set your mind at rest on that score.

I hope you will keep in touch with me, Friedman, because there may come a time when I can put some work in your way. As a matter of fact, so far as the Code Compilation Section is concerned, it appears that the idea has fallen through from one cause or another. Barnes at the last minute declined to take the examination because he apparently was tied up on the outside, and all others, for one reason or another, declined to take the examination, except yourself, and now that you are falling out, I am without a Code Compilation Section, and it becomes necessary to hire civilians to do this work. I do not know whether your plans would warrant you in coming to Washington to do any work of this kind as a civilian on a temporary basis, or not.

I am sorry if our asking you to take the examination for a commission has resulted in a huge upheaval which has entirely changed your life. This would be most unfortunate, particularly because it looks as though the Army were going to loose your services through a kink in board instructions.

With warmest regards to Mrs Friedman and
yourself

As ever,

Major, Signal Corps.

Mr. William F. Friedman,
Easton and Batairs Aves.,
Geneva, Kane Co., Ill.

Riverbank Laboratories
Geneva, Ill.

November 1st 1920.

Department of Physics

Dear Colonel Mauborgne:

You may be interested to know the details of my local examination and I shall give you a brief summary.

I reported to Examining Board No.60, Camp Grant, at nine o'clock last Monday. At four o'clock the Board called me. They exempted me from the general educational examination but decided that I would have to take the examination in elementary electricity and magnetism; this, despite the fact that my High School certificate shows a full year's course in Physics, and my College certificate, three half year courses in Physics. I felt sure that the Board would exempt me on the strength of those credits and so did not prepare in advance. I acquiesced, naturally, to the Board's decision. I was then directed to report the next morning to the Medical Examining Board, which I did.

The latter board disqualified me on account of what they called an organic heart disease. This was a great shock to me, for in no previous physical examinations in the past three years had any question ever been raised about my heart, and I have never given any symptoms of defective heart action.

I reported back to Board 60, on Wednesday morning and was at once informed that I could not proceed with the examination, having been disqualified physically. I felt very badly about it but there seemed to be nothing I could do then, except write a formal letter stating my case and asking for reconsideration by a superior board.

I returned to Geneva at once, and had myself carefully examined by two local physicians, who pronounced me sound and decided that I had no organic disease of the heart and gave me a certificate to this effect.

After carefully thinking the matter over, I decided to return to the Medical Board at Camp Grant and request a reexamination. This, I found them willing to do, and after some slight apology in which they stated that no man could expect to get an absolutely thorough examination when so many examinations had to be made, and that the government was always given the benefit of the doubt, and that my case could not be determined absolutely at the time of my first examination, so they decided to disqualify me. However after a second, more thorough examination, they decided to pass me and the examining board was notified to that effect.

The President of the board, Colonel Burgess, informed me that my papers had already been forwarded, but that they could and would make a supplementary report.

I was then given the examination in electricity. It consisted of two parts, three questions each. The first part, on Direct Current, I passed, according to my belief; the second part, on Alternating Current, I do not think I passed. It was a surprise to me, as I had no idea that such things as resonance, inductance, reactance and so on belonged to the realm of elementary electricity, and furthermore never had very much along those lines. However, if the board is lenient, they might pass me, though I

doubt it.

The board exempted me entirely from the professional examination in code and cipher, on the strength of my letters.

I then returned to Geneva and am now awaiting the decision of the final board.

You may be interested to know that I applied for a majority and stated that I would not consider a grade below captain. You know, I think, that my present position is more than equal, financially, to that of a major, and I do not see how I could possibly consider anything less than a captaincy, and I certainly feel that my experience and ability deserve that much recognition from the government, if the Signal Corps really wants me. I hope that the Chief Signal Officer and you will consider my application in a favorable light.

Sincerely yours,

W. F. Friedman

WAR DEPARTMENT TELEGRAM.

Nite Letter Collect

OFFICIAL BUSINESS.

WASHINGTON.

23 October, 1920

Mr. W. P. Friedman
Riverbank Laboratories,
Geneva, Illinois

Yours yesterday received Took telegram Executive Officer who states
General Pershing's final board instructed not approve grade higher
than held in service This office unfortunately cannot influence
final board's decision Executive suggests you apply Captaincy and take
chances Signal Office can make no promise notwithstanding recognition
value your services

Hanborgae

NITE LETTER COLLECT

Filing Section
OCT 23 1920
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CLASS OF SERVICE	SYMBOL
Telegram	
Day Letter	Blue
Night Message	NIt
Night Letter	N L

If none of these three symbols appears after the check (number of words) this is a telegram. Otherwise its character is indicated by the symbol appearing after the check.

REF ID: A66329

WESTERN UNION

RECEIVED

TELEGRAM

92 00 AM

CLASS OF SERVICE	SYMBOL
Telegram	
Day Letter	Blue
Night Message	NIt
Night Letter	N L

If none of these three symbols appears after the check (number of words) this is a telegram. Otherwise its character is indicated by the symbol appearing after the check.

NEWCOMB CARLTON, PRESIDENT

GEORGE W. E. ATKINS, FIRST VICE-PRESIDENT

RECEIVED AT WYATT BUILDING, COR. 14TH AND F STS., WASHINGTON, D. C.

DT69CH FJ 86 NL

GENEVA ILL OCT 22 1920

MAJ J O MAUBORGNE

7938

OFFICE CHIEF SIGNAL OFFICE US ARMY WASHINGTON DC

WISH TO LEAVE PRESENT SITUATION ACCOUNT DEVELOPMENTS SINCE FILING APPLICATION YOUR LETTER SERIOUS DISAPPOINTMENT PRESENT SALARY MORE THAN EQUIVALENT MAJORS COMMISSION COULD NOT POSSIBLY ACCEPT. LIEUTENANCY MIGHT CONSIDER CAPTAINCY WONT YOU PLEASE LAY MATTER IMMEDIATELY BEFORE CHIEF SIGNAL OFFICER IF YOU SEE FIT TO DETERMINE IF EXCEPTION POSSIBLE IN MY CASE FEEL MY EXPERIENCE AND ABILITY OF CONSIDERABLE VALUE TO SIGNAL CORPS AND CERTAINLY WORTH MORE THAN LIEUTENANCY PLEASE CONSIDER THIS CONFIDENTIAL AND WIRE REPLY IF BEFORE SUNDAY NOON TO GENEVA. IF LATER HOTEL NELSON ROCKFORD

W F FRIEDMAN

SIGNAL OFFICER 14726

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

16 October, 1920.

FILE 100

OCT 16 1920

201
Friedman
10.7

My dear Friedman:

Acknowledge receipt of your letter of the 12th, which arrived during my absence in Philadelphia. I note carefully what you have said about the very question which I knew would bob up, and that is the matter of your rank, in case you pass the examination for commission. I do know this, that in no case will any former officer be given a higher commission than the highest rank he has held in the service. I do believe however, that any board of officers would give you the rank you formerly held, which, I believe, was that of first lieutenant.

With reference to the examination, I believe that you will find that the greater part of the questions are about a knowledge of code compilation, the cipher side being not dwelt upon with any great force, and being, as a matter of fact, placed in sort of "second fiddle" position because of our need for officers for code compilation work. We have the job of constructing three or four codes right at present and have nobody to do the work. This, as you know, means that the man who compiles them has to be fully aware of the "rocks" he must avoid in the compilation of such a code. Later it is planned to construct code and cipher courses suitable for instruction for Signal Corps personnel.

Now between us, I believe that should you get into the service as a Signal Corps officer, that there might be some effort made on the part of the military intelligence to take you away from the Signal Corps in order to work on the General Staff in connection with their code and cipher section. This is a wild guess on my part, and this contemplated action is not the reason for our writing and asking you to come and join the Signal Corps, because the Office of the Chief Signal Officer recognizes your abilities and would like to have you for the Signal Corps work outlined. I simply point the other thing out as a possibility which, of course, could be staved off if you do not want it, by protest of the Chief Signal Officer himself. On the other hand if you, at some later time, felt inclined to look for such a position, his assistance would be decidedly valuable should he feel that the demands of the service at large were such as to warrant him in giving you up to the General Staff. That, however, is a minor matter, depending upon your getting a commission, and depending upon whether or not you care to take a position with the grade you held.

I appreciate your situation fully in the matter, and do

RECEIVED

OCT 1 1920

Filing Section

-2-

not care to be placed in the position of trying to influence you one way or another. Similarly, the Signal Corps cannot feel hurt if you cannot see your way to living in the Army if you cannot make both ends meet on the commission which might be given you.

Sincerely yours,

Major, Signal Corps.

Mr. W. F. Friedman,
Riverbank Laboratories,
Geneva, Illinois.

Riverbank Laboratories
Geneva, Ill.

Department of Cryptiers

October 12, 1920.

Dear Major Mauborgne:

I beg leave to acknowledge your letter of October 7th, also of October 9th, enclosing your letter of recommendation.

You have been generous, indeed, in your commendation, and leave me wondering if I deserve such praise, though I admit I have probably spent more deep thought on the subject of cryptography than all but a very few others, if any. At any rate, I certainly thank you very much.

I have written to two other officers for letters and shall try to pass the examination. At present I am wondering what kind of an examination given in one-half a day, or a day, or a whole week, can cover the range of experience and analytical powers a real cryptographer should have. You, more than almost anyone else, realize the nature of the work, and how slowly it goes.

However, your letter anticipates my passing the examination and possibly being ordered to Washington to report to you. I assure you the association would certainly be appreciated very highly, and that I would give my best efforts, but the eternal question of the H.C.L. confronts one, and in justice to Mrs. Friedman, to say nothing about myself or my future, and regardless of any personal ambitions I may have to leave some worthy record of my attainments, I must consider the future. If Uncle Sam makes me a proposition that is more satisfactory than the one I have, all things considered, I will talk it over with Mrs. Friedman, and consider it most carefully. But I wish to say that I am not looking for a job and that had you not written me, it would not even have occurred to me to enter the application. In your letter you stated frankly that the Department could not commit itself to anything, and I presume you understood that in filling out the formal blank I was not committing myself to take anything the Department might offer.

Please do not think that I am attempting a back exit, or have had a change in heart. I merely want you to have a clear understanding in return for the interest you have shown.

Major J. O. Mauborgne,
 Office of the Chief Signal Officer,
 Signal Corps,
 Washington, D. C.

Very sincerely yours,

W. F. Friedman

FILE
 OCT 16 1920

File

Engineering
and Research
jom:ho

WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

7 October, 1920

My dear Friedman:

Your letter enclosing your application and enclosed letters reached me today. I immediately turned the letter and the enclosures over to our Personnel Officer who forwarded your application directly to the Adjutant General, and returned the enclosures to me with the information that these statements should not accompany the application, but should be presented by you, in person, at the time of your appearance before the Board. I am returning them to you for that purpose.

I believe that it would be a good plan for me to give you a letter of recommendation and it certainly will do no harm to have too many, so I shall forward one within a day or so. Such letters of recommendation should be presented to the Board when you appear before it. It is essential that all candidates have at least three letters in which their moral character is vouched for. I do not know whether I told you that in the last letter or not.

I most certainly hope that you will take the examination, and I have, of course, no fear of your failing to pass it. It pleases me immensely that you have decided to make application for the job, because we are certainly in need of specialists like yourself here in Washington.

I shall write you within a day or so.

With best regards to Colonel Fabyan and all at Riverbank

Sincerely yours,

Major, Signal Corps.

Mr. W. F. Friedman,
Riverbank Laboratories,
Geneva, Illinois

FILE 15
10-7 1920

Mr. Mawby

It attach his letters
and statements as
they should not
accompany his application

Riverbank Laboratories
Geneva, Ill.

Department of Ciphers

RECEIVED
 Oct 7 1920
 7 PM 1 49
 CHIEF OFFICE
 U. S. SIGNAL OFFICER

Dear Colonel Mauborgne:

Acknowledging your kind letter of Oct. 2. I have filled out the application as you suggested and I enclose it herewith.

I presume I could secure leave and go to Camp Grant for the examination and I don't think there's any doubt but that I could meet with the requirements.

In reference to the De Yaub Cipher, I have been hoping against hope that you would find the plain text of those messages you submitted.

Thanking you for your kind interest, I am,

Sincerely yours,

W. F. Friedman

Col. J. O. Mauborgne,
 Office of the Chief Signal Officer,
 Washington, D. C.

Engineering
and Research
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WAR DEPARTMENT
OFFICE OF THE CHIEF SIGNAL OFFICER
WASHINGTON

2 October, 1920

FILE
OCT 2 1920

My dear Friedman:

A situation has recently arisen in which you may be interested. The Signal Corps, among the other branches of the service, recently had examinations for commissioned officers which were open to all those who had been commissioned during the war. In the original examinations there was no professional examination for code and cipher people, who are really specialists. The Signal Corps must continue its function of running a Code Compilation Section, and we are in the market for officers to handle that kind of a job. Your name naturally came up when the question arose as to whom to send application blanks. The question now before the house is, do you want to take an examination before the local board in Chicago to become a Signal Corps officer to do work in connection with the Code Compilation Section which is proposed? No guarantee can be given, of course, that you will be commissioned because the matter of an examining board stands between you and the Signal Corps.

However, inasmuch as you are not familiar with the examinations, I shall tell you briefly about them. Applications must be made to the Adjutant General of the Army so as to reach the Adjutant General not later than October 9th. Application blank and the circular letter on this subject are enclosed. The examination for Signal Corps officers consists of

First: Physical examination, which is thorough.

Second: A mental examination which comprises Parts (a) and (b), as described in this memorandum of the War Department, dated May 29th, which I am enclosing.

The only thing the blank does not show is the fact that under Part (b), the professional examination for Signal Corps officers

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Stiedman
M.F.

is to consist of the following:

- (a) Elementary electricity and magnetism.
- (b) One of the following elective subjects:
 - (1). Radio telegraphy and telephony.
 - (2). Meteorology.
 - (3). Telephone and telegraph engineering.
 - (4). Procurement, inspection, purchase and storage and maintenance of Signal Corps supplies.,

and finally the paragraph which has just been added, which permits of an examination in Codes and Ciphers, the principle part of it being particularly "code compilation."

In your case, Part (a) would be waived if you can produce from your various schools and colleges, certificates showing that you have successfully taken a course, and have successfully passed an examination in the elementary subjects outlined under (a), and if, in addition, you have taken at any High School or college, elementary electricity and magnetism, you should present evidence which should entitle you to be exempted from electricity under Part (b). The only remaining thing for you to take a written examination in would be codes and ciphers as part of the examination.

I think that there is no doubt but that you could pass such an examination, and I suggest that if you are interested, you hustle back this application blank to the Adjutant General, without delay, making application to take the examination. I think that in addition to the blank it would be well to state your particular qualifications for Code Compilation as well as Code and Cipher breaking.

I hope that Colonel Fabyan won't think that I am trying to take you away from his service, and of course, the proposition may not appeal to you at all, particularly since Mrs Friedman is to be considered. Should you pass this examination, and be commissioned, we naturally would want you to come to Washington to take part in this Code Compilation work. The matter is right up to you, and I suggest that you consider it carefully and then let me know whether you do or do not want to take the examination, which, in your case, will undoubtedly, be held in Chicago.

Very truly yours,

Major, Signal Corps.

201 Friedman, W.F.Lt.

CROSS REFERENCE RECORD.

From: O.C.S.O.

To: Lt. W.F.Friedman

Cross Reference from No.: 413.4 Printing Telegraph Alphabet

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