REF ID:A2919331

NATIONAL SECURITY AGENCY
CENTRAL SECURITY SERVICE
FORT GEORGE G. MEADE, MARYLAND 20755

Serial: T54-067-81

30 NOV 1981

Mr. Royster Lyle, Jr.
George C. Marshall Research Foundations
Drawer 1600
Lexington, VA 24450

Dear Mr. Lyle:

During their visit to your establishment last month, Wally Winkler and Russ Fisher of my staff promised that they would provide you with a copy of the classification/declassification actions which they accomplished during their review of the previously classified materials in the William F. Friedman Collection. This listing is attached as an Enclosure to this letter.

From their reports to me, your reception of the team from NSA was most cordial, and you provided the members with all the support they needed to complete their mission.

As you know, there were some documents which were not immediately available for the team members to review for declassification, and they are so noted in the listing. If you should have discovered them by now, and would forward xerographic copies to us, we will review them and notify you of our decisions regarding downgrading.

There are copies of the paper "War Secrets in the Ether", Volumes I, II and III, about which the team had some questions as to classification of certain pages. Please be advised that we have now completely declassified all three volumes, and they may be placed on open shelving in the Friedman Collection room. Please be kind enough draw a line through the RESTRICTED caveat and add "Declassified by NSA 1981".

With the exception of the documents which the team members did not see, and those which they specifically up-graded or reclassified, we consider that all the documents you have in the open shelving area are now completely declassified.

Please accept my gratitude for your cooperation with our team members, and for your wonderful hospitality during their short visit. It was very nice of Dr. Hadsell to spend the amount of time he did with our representatives, and I would be happy if you would pass on my appreciation to him. Also, please thank John Jacob for his cooperation and assistance.

Approved for Release by NSA on 06-19-2015 pursuant to E.O. 13526

PL 86-36/50 USC 3605

You should have received by now a letter from our Policy Staff regarding [redacted] observations concerning the portions of the visit for which he was directly responsible.

Sincerely,

Charles R. Ware

CHARLES R. WARE
Chief, Archives
and
History

Encl:
Declassification Team
Action Report

Serial: T54-067-81

cc: Q43
Q4
T5
T541

M/R: During the period 27-29 October 1981, Messrs. Wallace Winkler and Russ Fisher, part of the T541 Declassification Team, visited the George C. Marshall Research Foundation on the campus of Virginia Military Institute, Lexington, Virginia. The mission of the team was two-fold: (1) to review documents in the William F. Friedman Collection which had been erroneously declassified in 1975 to determine the necessity for upgrading and restoring protection, and (2) to review all classified documents in the Collection to determine the feasibility of downgrading them, or continuing the protection of a classification.

A total of 199 individual classified documents were purported to be in the Collection, acording to previous inventories. Of these, several were in multiple copies. Further, 12 documents were not immediately available for review. Most of these were, according to the earlier inventory, either RESTRICTED or FOR OFFICIAL USE ONLY. Two, originally classified CONFIDENTIAL, were different editions of Mr. Kullback's "Statistical Methods in Cryptanalysis" dated 1935 and 1938, respectively.

The following is a summary account of actions taken:

Previously declassified documents reclassified	6
Documents declassified	57
FOUO marked through	39
RESTRICTED upgraded to CONFIDENTIAL	85

PL 86-36/50 USC 3605

[redacted] USAF, accompanied the T541 team as a representative of Q43, with the express purpose of determining the physical security certification status of the Marshall Foundation. He has filed a separate trip report. In his report, [redacted] noted the complete declassification of "War Secrets in the Ether", and stated that T541 would be informing Mr. Lyle of this action. This is included as a part of this letter.

R. G. Fisher, T541, 2268, 25 Nov 81, pac

ACTION REPORT

Classified Documents Contained in

The Friedman Collection

George C. Marshall Research Foundation

Callimahos Lambros D. and William F. Friedman. Military Cryptanalytics, Part II. Office of Training Services, National Security Agency, Ft. George G. Meade, MD. October 1959

Previously declassified. Reclassified CONFIDENTIAL.

Friedman, William. Six Lectures on Cryptology. National Cryptologic School, National Security Agency: 1965

Previously declassified. Reclassified CONFIDENTIAL. (Sanitized version - SRH-004 -- provided to the Friedman Collection.

Freidman, William F. and Lambros D. Callimahos. Military Cryptanalytics, Part I. National Security Agency, Washington: April, 1956.

Previously declassified. Reclassified CONFIDENTIAL.

United States Army. Eastern Signal Corps School. Military Cryptography: Instructor's Lesson Plans, CSD-13. Eastern Signal Corps Unit Training Center, Ft. Monmouth, New Jersey: September, 1943.

Declassified

United States Army. Signal Corps. Cryptographic Division. French Word List. Fort Monmouth, New Jersey: August, 1942.

Declassified

United States. Army. Signal Corps. Cryptographic Division. German Word List. Fort Monmouth, New Jersey: August, 1942.

Declassified

United States. Army. Signal Corps. Cryptographic Division. Italian Word List. Fort Monmouth, New Jersey: August, 1942.

Declassified

United States. Army. Signal Corps. Cryptographic Division. Portugese Word List. Fort Monmouth, New Jersey: August, 1942.

Declassified

United States. Army. Signal Corps. Cryptographic Division. Spanish Word List. Fort Monmouth, New Jersey: August, 1942.

Declassified

United States. Army. Signal Corps School, Fort Monmouth, New Jersey. Military Cryptography: Instructor's Lesson Plans, CSD-13. Signal Corps Replacement Training Center, Fort Monmouth, Red Bank, New Jersey: December, 1942.

Declassified

United States. Army Security Agency. Elements of Cryptography, by Captain Roger Baudouin. Translated from the original "Elements de Cryptographie" by Captain Albert E. Highley, A. U. S., Washington.

Declassified

United States. Navy Department. Office of the Chief of Naval Operations. Treatise on Cryptography, by Andre Lange and E. A. Soudart. (Published 1925, Librarie Felix Alcan, 108 Blvd. St. Germain), translated by Lieutenant J. J. Pierrepont, U.S.N., assisted by H. H. Handley, Chief Yoeman, U.S.N., 1934. United States Government Printing Office, Washington: 1940.

Declassified

United States. War Department. The Contribution of the Cryptographic Bureaus in the World War, by Yves Glyden. Reprinted from Signal Corps Bulletins Nos. 75-81, November 1933-November 1934. United States Government Printing Office, Washington: 1935.

Declassified

United States. War Department. Office of the Chief Singal Officer. Analysis of a Mechanico-Electrical Cryptograph, Part I, by William F. Friedman. United States Government Printing Office, Washington: 1934.

Declassification

United States. War Department. Office of the Chief Signal Officer. Analysis of a Mechanico-Electrical Cryptograph, Part II. Technical Paper of Signal Intelligence Section, War Plans and Training Division. United States Government Printing Office, Washington: 1935.

Declassified

United States. War Department, Office of the Chief Signal Officer. Analysis of the Hagelin Cryptograph Type B-211. Technical Paper, Signal Intelligence Service. United States Government Printing Office, Washington: 1939.

Previously declassified. Reclassified CONFIDENTIAL.

United States. War Department. Office of the Chief Signal Officer. Further Applications of the Principles of Indirect Symmetry of Position in Secondary Alphabets, by Frank B. Rowlett. United States Government Printing Office, Washington: 1935

Declassified

United States. War Department. Office of the Chief Signal Officer. Articles on Cryptography and Cryptanalysis. Reprinted from the Signal Corps Bulletin. United States Government Printing Office, Washington: 1942

Declassified

United States. War Department. Office of the Chief Signal Officer. Course in Cryptography, by General Marcel Givierge. Translated from the original "Cours de Cryptographie," by John B. Hurt. United States Government Printing Office, Washington: 1934

FOR OFFICIAL USE ONLY Lined through

United States. War Department. Office of the Chief Signal Officer. Elements of Cryptanalysis. Training Pamphlet No. 3 May 1923. United States Government Printing Office, Washington: 1924

FOR OFFICIAL USE ONLY marked through

United States. War Department. Office of the Chief Signal Officer. An Encipherment of the German Diplomatic Code 7500, by Charles J. Mendelsohn. United States Government Printing Office, Washington: 1938.

Declassified

United States. War Department. Office of the Chief Signal Officer. Field Codes Used by the German Army During the World War, by William F. Friedman. United States Government Printing Office, Washington: 1935

Declassified

United States. War Department. Office of the Chief Signal Officer. Final Report of the Radio Intelligence Section, General Staff, General Headquarters, American Expeditionary Forces (SIGSEE), Technical Paper of the Signal Intelligence Section, War Plans and Training Division. United States Government Printing Office, Washington: 1935.

Declassified

United States. War Department. Office of the Chief Signal Officer. General Solution for the ADFGVX Cipher System. Technical Paper of the Signal Intelligence Section, War Plans and Training Division. United States Government Printing Office, Washington: 1934.

Declassified

United States War Department. Office of the Chief Signal Officer. General Solution for the Double Transposition Cipher, by Solomon Kullback. United States Government Printing Office, Washington: 1934

Previously declassified. Reclassified CONFIDENTIAL

United States. War Department. Office of the Chief Signal Officer. German Military Ciphers from February to November, 1918. Technical Paper of the Signal Intelligence Section, War Plans and Training Division. United States Government Printing Office, Washington: 1935

Declassified

United States. War Department. Office of the Chief Signal Officer. The Index of Coincidence and Its Application in Cryptanalysis, by William F. Friedman. United States Government Printing Office, Washington: 1935

Declassified

United States. War Department. Office of the Chief Signal Officer. Manual of Cryptography, by General Luigi Sacco, translated from the original "Manuale di Crittografia." United States Government Printing Office, Washington: 1941

Declassified

United States. War Department. Office of the Chief Signal Officer. Military Cryptanalysis, Part I. Monoalphabetic Substitution Systems, by William F. Friedman. United States Government Printing Office, Washington: 1938

Declassified

United States. War Department, Office of the Chief Signal Officer. Military Cryptanalysis, Part I, by William F. Friedman. Third Edition. United States Government Printing Office, Washington: 1942

Declassified

United States. War Department. Office of the Chief Signal Officer. Military Cryptanalysis, Part II. Simpler Varieties of Polyalphabetic Substitution Systems, by William F. Friedman. United States Government Printing Office: Washington: 1938

Upgraded to CONFIDENTIAL

United States. War Department. Office of the Chief Signal Officer. Military Cryptanalysis, Part II. Simpler Varieties of Polyalphabetic Substitution Systems, By William F. Friedman. Third Edition. United States Government Printing Office, Washington: 1943

Upgraded to CONFIDENTIAL

United States. War Department. Office of the Chief Signal Officer. Military Cryptanalysis, Part III. Simpler Varieties of Aperiodic Substitution Systems, by William F. Friedman. United States Government Printing Office, Washington: 1939

Upgraded to CONFIDENTIAL

United States. War Department. Office of the Chief Signal Officer. Military Cryptanalysis, Part IV. Transposition and Fractionating Systems, by William F. Friedman. United States Government Printing Office, Washington: 1941

Upgraded to CONFIDENTIAL

United States. War Department. Office of the Chief Signal Officer. Notes on the Liaison Service and the Liaison Intelligence Service of the German Army During the World War. Technical Paper of the Signal Intelligence Section, War Plans and Training Division, United States Government Printing Office, Washington: 1935

No markings. Marked UNCLASSIFIED

United States. War Department. Office of the Chief Signal Officer. Permutation Tables Involving a Feature of Non-Transposability. Technical Paper by Abraham Sinkov, Ph. D., Signal Intelligence Section, War Plans and Training Division. United States Government Printing Office, Washington: 1934

FOR OFFICIAL USE ONLY marked through

United States. War Department. Office of the Chief Signal Officer. The Principles of Indirect Symmetry of Position in Secondary Alphabets and their Application in the Solution of Polyalphabetic Substitution Ciphers, by William F. Friedman. United States Government Printing Office, Washington: 1935

Declassified

United States. War Department. Office of the Chief Signal Officer. Principles of Cryptograms Produced by the I. T. & T. Cipher Machine. Technical Paper of the Signal Intelligence Section, War Plans and Training Division. United States Government Printing Office, Washington: 1934

Declassified

United States. War Department. Office of the Chief Signal Officer. Principles of Solution of Military Field Codes Used by the German Army in 1917. Technical Paper of the Signal Intelligence Section, War Plans and Training Division. United States Government Printing Office, Washington: 1935

Declassified

United States. War Department. Office of the Chief Signal Officer. Report of Code Compilation Section, General Headquarters, American Expeditionary Forces, December 1917-November 1918. Technical Paper of the Signal Intelligence Section, War Plans and Training Division. United States Government Printing Office, Washington: 1935

Declassified

United States. War Department. Office of the Chief Signal Officer. Statistical Methods in Cryptanalysis, by Solomon Kullback. United States Government Printing Office, Washington: 1935

Not seen for declassification review

Unites States. War Department. Office of the Chief Signal Office. Statistical Methods in Cryptanalysis, by Solomon Kullback. Revised Edition. United States Government Printing Office, Washington: 1938

Not seen for declassification review

United States. War Department. Office of the Chief Signal Officer. Studies in German Diplomatic Codes Employed During the World War: I. Code 18470 and its Derivatives; II. The "Fuenfbuchstabenheft"; III. German Methods of Code Encipherment. United States Government Printing Office, Washington: 1937

Declassified

United States. War Department. Office of the Chief Signal Officer. The Zimmerman Telegram of January 16, 1917 and its Cryptographic Background, by William F. Friedman and Charles J. Mendelsohn. United States Government Printing Office, Washington: 1938

Declassified

United States. War department. Military Intelligence Division. German Operational Intelligence. German Military Document Sector (GMDS), Washington: April, 1946

Declassified

United States. War Department. Office of the Chief Signal Officer. The Signal Corps Bulletin. Washington, D.C.

The Friedman Collection contains the following issues: (Those issues preceded by "*" were FOR OFFICIAL USE ONLY and that caveat was marked through; those preceded by "+" were classified CONFIDENTIAL and were declassified.

* June, 1925	#30
* March, 1926	33
* May, 1926	34
* March, 1929	47
* July-August, 1929	49
* March-April, 1930	53
* September-October, 1930	56
* November-December, 1930	57
* January-February, 1931	58
* March-April, 1931	59
* May-June, 1931	60
* November-December, 1931	63
* January-February, 1932	64
* July-August, 1932	67
* September-October, 1932	68
* November-December, 1932	69
* January-February, 1933	70
* March-April, 1933	71
* July-August, 1933	73
* September-October, 1933	74
* November-December, 1933	75
* January-February, 1934	76
* March-April, 1934	77
+ September - October, 1934	#80
* November-December, 1934	81
* January-February, 1935	82
* March-April, 1935	83
* May-June, 1935	84
* July-August, 1935	85
* September-October, 1935	86
* November-December, 1935	87
January-February, 1936	88
+ March-April, 1936	89
+ May-June, 1936	90
+ July-August, 1936	91
+ September-October, 1936	92
+ November-December, 1936	93
+ July-September, 1937	97
+ October-December, 1937	98
+ January-March, 1938	99
+ July-September, 1938	101
+ January-March, 1938	103
+ April-June, 1939	104
+ July-September, 1939	105
+ October-December, 1939	106
+ April-June, 1950	108
+ July-December, 1940	109

* May-June, 1934 78
* July-August, 1934 79

United States. 79th Congress, 1st Session. Joint Committee Report. Pearl Harbor: Intercepted Diplomatic Messages Sent By the Japanese Government Between July 1 and December 8, 1941. Printed for the use of the Joint Committee on the Investigation of the Pearl Harbor Attack. United States Government Printing Office, Washington: 1945

Declassified

United States. Army. Signal Corps. U.S. Army in World War II: The Signal Corps. Vol. 1.

Not seen for declassification review

United States. Army and Air Force. Fundamentals of Traffic Analysis (Radio Telegraph). TM 32-50, AFM 100-80. United States Government Printing Office, Washington: 1948

Upgraded to CONFIDENTIAL

United States. Army Security Agency. Cryptanalyst's Manual. Army Security Agency Manual S-700. Headquarters, Army Security Agency.

Upgraded to CONFIDENTIAL

N.B. All Sections listed below reviewed and upgraded except Section 1-3, Glossary of Terms, September, 1946

Section 1-3: Glossary of Terms, September, 1946

Section 1-1: Index, February, 1947

Section 5-1: Table of the Poisson Distribution (Individaul Cumulative Terms), July 1947

Section 5-2: The Poisson Distribution and its Differences Up to the 6th Order. June, 1947

Section 10-20: List of Words Used in Military Text Arranged Alphabeticlly According to Word Length. November, 1946

Section 10-21: List of Words Used in Military text Arranged in Rhyming Order According to Word Length (English). November, 1946

Section 10-22: List of Words Used in Military Text Arranged Alphabetically According to Word Pattern (English). November, 1946

Section 10-23: Digraphic Idiomorph List, March, 1947

Section 10-24: List of Words Used in Military Text Containing Like Letters Repeated at Various Intervals (English). March, 1947

Section 10-27: Four-Square Idiomorphs (English). February, 1951

Section 11-30: List of 600 Frequent Words Used in Military Text. German. April, 1947

Section 20-30: List of 600 Frequent Words Used in Military Text. French. April, 1947

Section 21-30: List of 600 Frequent Words Used in Military Text. Italian. April, 1947

Section 22-10: Letter Frequency Data (Spanish). October, 1948

Section 22-30: List of 600 Frequent Words Used in Military Text. Spanish. April, 1947

Section 5-3: Expected Number of X-Fold Repetitions (Binomial Distributions). January, 1950

Section 23-10: Letter Frequency Data (Portugese). February, 1947

Section 23-3: List of 600 Frequent Words Used in Military Text. Portugese. April, 1947

Section 32-10: Letter Frequency Data (Czech). October, 1949

Section 33-10: Letter Frequency Data (Serbo-Croatian). May, 1950

Section 50-30: List of 600 Frequent Words used in Military Text, Japanese. April, 1947

Section 80-10: Training Code No. 1, System Indicator (Discriminat): Blue. April, 1948

Section 80-11: Training Code No. 1, System Indicator (Discriminate): Gray. July, 1948

Section 80-12: Additive Tables for Use with Training Code No. 1, System Indicator (Discriminant): 1236. January, 1948

Section 80-13: Difference Tables for Training Code No. 2. January, 1948

Section 81-11: Supplementary Examinations, Military Cryptanalysis, Part 1. March, 1950

Section 81-12: Supplementary Examinations, Military Cryptanalysis, Part 2. March, 1950

Section 86-10: Supplementary Course in Cryptanalysis (English) (Short Title: ALPHA), November, 1947

Section 86-30: Supplementary Course in Cryptanalysis (Russian) (Short Title: BETA), November, 1947.

Section 90-1: Synoptic Tables for Cipher Device M-94.

Section 92-1: Baudot Tables. August, 1949

United States. Joint Chiefs of Staff. Dictionary of United States Military Terms for Joint Usage. First Revision. Washington: Jun, 1950
Not Cryptologic; no action taken. (RESTRICTED classification had already been lined through)

United States. Marine Corps. Marine Corps Air-Ground Code. 1934

Not seen for declassification review

United States. National Security Agency. Cryptanalyst's Manual. (Section 5-4) Abridged Binomial Tables Applicable to Single-Character Cryptanalytic Distributions (p= 1/32, 1/30, 1/26, 1/25, 1/10). Washington: June, 1954

Upgraded to CONFIDENTIAL

United States. National Security Agency. Elementary Course in Probability. 2nd Edition. National Security Agency, Office of Research and Development, Mathematical Research Division: February, 1957

Not seen for declassification review

United States. National Security Agency. War Secrets in the Ether Parts I and II, By Wilhelm Flicke; translated by Ray W. Pettingill. Washington: 1953

Declassified in toto per Chief, T54, subsequent to TDY of Messrs. Winkler and Fisher

United States. National Security Agency. War Secrets in the Ether, Part III, by Wilhelm Flicke; translated by Ray W. Pettingill. Washington: 1954

Declassified in toto per Chief, T54, subsequent to TDY of Messrs. Fisher and Winkler

United States. Navy. Office of Chief of Naval Operations. Elementary Course in Cryptanalysis. (1930)

Not seen for declassification review

United States. Navy. Office of the Chief of Naval Operations. Recognition Tactics in the Battle of Jutland. Code and Signal Section, Chief of Naval Operations. March, 1932

Not seen for for declassification review

United States. War Department. American Army Field Codes in the American Expeditionary Forces During the First World War, by William F. Freidman. June 1942. United States Government Printing Office, Washington: 1942

Declassified

United States. War Department. Communication Security. (TM 11-469) United States Government Printing Office, Washington: December, 1944

Upgraded to CONFIDENTIAL

United States. War Department. Office of the Chief Signal Officer. The Combat Code. Tentative edition. January 26, 1942. United States Government Printing Office, Washington: 1942

Declassified

United States. War Department. Office of the Chief Signal Officer. Combat Code No. 1 (CC-1). United States Army Signal Corps, Washington: September, 1943

Declassified

United States. War Department. Office of the Chief Signal Officer. Cryptanalyst's Manual. United States Government Printing Office, Washington: 1940

N.B. This Manual consists of the following sections, all of which were upgraded to CONFIDENTIAL

1-10	General:	Cryptanalytic Data. General
10-10	English:	Cryptanalytic Data for English, Letter Frequency Data
10-12	English:	Cryptanalytic Data for English, Statistical Charts
10-20	English:	Cryptanalytic Data for English, List of Words Used in Military Text Arranged Alphabetically and According to Word Length
10-21	English:	Cryptanalytic Data for English, List of Words Used in Military Text Without Any Repeated Letter Arranged Alphabetically and According to Word Length
10-22	English:	Cryptanalytic Data for English, List of Words Used in Military Text Arranged Alphabetically According to Word Pattern
10-23	English:	Cryptanalytic Data for English, List of Common English Word Combinations Used in Military Text Arranged Alphabetically According to Word Pattern
10-25	English:	Cryptanalytic Data for English, List of 1000 Commonest Words Arranged According to Word Length and Frequency
10-26	English:	Cryptanalytic Data for English, List of 1000 Commonest Words Arranged According to Frequency
10-27	English:	Cryptanalytic Data for English, List Of 1000 Commonest Words Arranged Alphabetically

20-9	German:	Table 5. German Frequency data
20-10	German:	Table 6. German digraphic table
20-11	German:	Chart No. 5. Expected number of blanks German plain text
20-12	German:	Table 7. German digraphic frequency table
20-13	German:	Table 8. German digraphic frequency distribution
20-14	German:	Table 9. German digraphic frequency table
20-15	German:	Table 10. German digraphic frequency distribution
20-16	German:	Table 11. German digraphic table
20-17	German:	Table 12. German digraphic table
20-18	German:	Table 13. German digraphic table
20-19	German:	Table 14. German digraphic table
20-20	German:	Cryptanalytic Data for German. List of Words Used in Military Text Arranged Alphabetically and According to Word Length
20-21	German:	Cryptanalytic Data for German, List of Words Used in Military Text Without Any Repeated Letter Arranged Alphabetically and According to Word Length
20-28	German:	Table 15. German word length
30-10	French:	Table 6. French digraphic table
30-11	French:	Chart No. 5. Expected number of blanks French plain text

30-21	French:	Cryptanalytic Data for French. List of Words Used in Military Text Without Any Repeated Letter, Arranged Alphabetically and According to Word Length
30-22	French:	Cryptanalytic Data for French. List of Words Used in Military Text Arranged Alphabetically According to Word Pattern
30-25	French:	Cryptanalytic Data for French, List of 1000 Commonest Words Arranged According to Word Length and Frequency
30-26	French:	Cryptanalytic Data for French, List of 1000 Commonest Words Arranged According to Frequency.
30-27	French:	Cryptanalytic Data for french, List of 1000 Commonest Words Arranged Alphabetically and Indicating their Frequency
40-10	Italian:	Table 6. Italian digraphic table (military text)
40-11	Italian:	Chart No. 5. Expected number of blanks Italian plain text
50-10	Spanish:	Table 6. Spanish digraphic table
50-11	Spanish:	Chart No. 5. Expected number of blanks Spanish plain text
60-10	Japanese:	Table 6. Japanese digraphic table
70-10	Rumanian:	Cryptanalytic Data for Rumanian. List of Words Used in Military Text Arranged Alphabetically and According to Word Length
80-10	Miscellaneous Languages:	Table 1. Frency of Letters
80-10	Czech:	Table 2. Czech digraphic table

80-10 Polish: Table 3. Polish digraphic table

80-10 Swedish: Table 4. Swedish digraphic table

80-10 Portugese: Chart No. 5. Expected number of blanks Portugese plain text

90-10 Miscellaneous

Languages: Cryptanalytic Data Applicable to Any Language, Tables Applicable to all Languages.

90-10 Miscellaneous Section IV, 2-place logarithms (L_{10})

90-11 Miscellaneous Cryptanalytic Data Applicable to Any Language, Statistical Charts

United States. War Department. Office of the Chief Signal Officer. Converter M-209. (TM 11-830). Washington: April 27, 1942.

Upgraded to CONFIDENTIAL

United States. War Department. Converter M-209, M-209-A, M-209-B (Cipher). May, 1947. United States Government Printing Office, Washington: 1947

Upgraded to CONFIDENTIAL

United States. War Department. Office of the Chief Signal Officer. Division Field Code, Training Edition DFC T-1), June, 1936. United States Government Printing Office, Washington: 1936

Not seen for declassification review

United States. War Department. Division Field Code, Training Edition No. 2. (DFC T-2) (TM 11-460). United States Government Printing Office, Washington: 1942

Not seen for declassification review

United States. War Department. Office of the Chief Signal Officer. Elementary Military Cryptography. Army Extension Courses, Special Text No. 165. 1935 edition. United States Government Printing Office, Washington: 1935.

FOR OFFICIAL USE ONLY marked through

United States. War Department. Office of the Chief Signal Officer. Elementary Military Cryptography. Army Extension Courses, Special Text No. 165. 1943 Edition. United States Government Printing Office, Washington: 1943

Not seen for declassification review

United States. War Department. Office of the Chief Signal Officer. Fire Control Code.

Not seen for declassification review

United States. War Department. Office of the Chief Signal Officer. General Address and Signature Code No. 2, (GAS 2). United States Government Printing Office, Washington: March, 1925

FOR OFFICIAL USE ONLY marked through

United States. War Department. Office of the Chief Signal Officer. Military Radio Direction Finding, by Colonel Luigi Sacco, translated from "Bolletino Radiotelegrafico Del Reale Esercito" ("Radiotelegraph Bulletin of the Royal Army"), September-December 1933, Vol. 12, Nos. 5 and 6. United States Government Printing Office, Washington: 1934.

FOR OFFICIAL USE ONLY marked through

United States. War Department. Office of the Chief Signal Officer. Signal Corps Intelligence. (FM 11-35). September 2, 1942. United States Government Printing Office, Washington: 1942

Declassified

United States. Combined Communications Board. Combined Field Code. Short Title: CCBP-0129-5. Washington: October 1, 1944.

Declassified

United States. Combined Communications Board. Combined Field Code. Short Title: CCBP-0129-6. Washington: November 1, 1944

Declassified

United States. Combined Communications Board. Subtractor Table For Use With The Combined Field Code, System Indicator (Discriminat) Valid. Pacific and Australian Edition. Short Title: CCBP-0121-D10. June 1, 1944

Declassified