

ACC 10000/147/390

S/234

ITALIAN CIPHER

PAGE I

OCT. 1943 - Apr. 1944

MA/La.

COMANDO SUPREMO
Ufficio "I" - Sezione Organizzazione

99

N° 60108/O-Cif. di prot.

P.M. ISI/A, 11 11 aprile 1944

OGGETTO: Cifrari operativi.-

AL COLONNELLO HENDERSON

Director, Telecommunications and Post Sub - Commission

Commissione Alleata di Controllo

SALERNO

SEGRETO

Mi riferisco alla lettera del HQ ACOMF nr.2783/1/X al= l'oggetto "Ciphers for Italian Army" qui trasmessa dal Vostro Ufficio con N. TS/26/I/75 del 5 marzo u.s.-

Come da accordi verbali Vi comunico il piano di allestimento dei cifrari operativi:

- a) un cifrario per uso dei Comandi Superiori, con tabelle di sopra= cifratura, sul tipo del cifrario "Piave";
- b) un cifrario per uso dei Comandi intermedi, con tabelle di sopra= cifratura, sul tipo del cifrario "Tellini";
- c) un cifrario per uso delle minori unità operanti, sul tipo del ci= frario "O.P.-"

Le tabelle di sopra cifratura dei cifrari di cui alle lettere a) e b) avrebbero validità di uno o due giorni ciascuna.-

Il cifrario di cui alla lettera c) sarebbe rinnovato con molta frequenza.

Allegati:

- 1°) Cifrario "Piave", con blocco tabelle di chiavi aggiuntive
- 2°) cifrario "Tellini", con blocco di tabelle di chiavi aggiuntive
- 3°) cifrario "O.P.-"

I cifrari di cui sopra hanno dato in passato ottima prova.
Si rimane in attesa di benestare.=

Director, Telecommunications and Post Sub - Commission

Commissione Alleata di ControlloSALERNO*****
SEGRETO

7/5
Mi riferisco alla lettera del HQ ACMF nr.2783/1/X al-
l'oggetto "Ciphers for Italian Army" qui trasmessa dal Vostro Uffici-
cio con N. TS/26/I/75 del 5 marzo u.s.-

Come da accordi verbali Vi comunico il piano di allestimento
dei cifrari operativi:

- a) un cifrario per uso dei Comandi Superiori, con tabelle di sopra-
cifratura, sul tipo del cifrario "Piave";
- b) un cifrario per uso dei Comandi intermedi, con tabelle di sopra-
cifratura, sul tipo del cifrario "Tellini";
- c) un cifrario per uso delle minori unità operanti, sul tipo del ci-
frario "O.P."-

Le tabelle di sopracifratura dei cifrari di cui alle lettere
a) e b) avrebbero validità di uno o due giorni ciascuna.-

Il cifrario di cui alla lettera c) sarebbe rinnovato con molta
frequenza.

Allegati:

- 1°) Cifrario "Piave", con blocco tabelle di chiavi aggiuntive
- 2°) cifrario "Tellini", con blocco di tabelle di chiavi aggiuntive
- 3°) cifrario "O.P.".

I cifrari di cui sopra hanno dato in passato ottima prova.
Si rimane in attesa di benestare.=



IL CAPO SEZIONE
(Ten.Col.S.M. P. Ducros)

JLH/ma

98-1

REAR HEADQUARTERS
ALLIED CONTROL COMMISSION
APO 394

In reply refer
to: TS/26/1/98.

5th April 1944.

Subject: Italian Cipher Device.

To: Chief Signal Officer, Allied Armies in Italy.

Reference your 2724/2/X dated 30th March 1944, the Italian Officer concerned has been interviewed but is very vague on the subject of the conditions he would like. In any case he states that he is now having complete models made of the device, and that he will approach us again when these are finished. It is suggested that the matter be dropped until such time as he raises it again.

J.L.Henderson,
Colonel,
Director, Telecommunications and Posts Sub-Commission.

2879

0 2 2 6

Subject:- Italian Cipher Device.

RESTRICTED

HQ A.A.I.

2721/2/X.

30 Mar 44.

Director,
Telecommunications and Posts Sub-Commission,
Rear Hq, A.C.C.

1. Reference is made to your message 2499 of March 20 and subsequent conversations with Capt. Downing of this office.
2. In view of the original suggestion that an officer be furnished to consider the merits of the new invention and the apparent present reluctance of the Italian officer to go thru with the matter, I am not in position to make an intelligent report to AMHQ.
3. It is requested that you confer again with the officer and report just what considerations are holding up further negotiations and just what assurances are desired by the officer concerned.

RED: ii

TR Horn *see 98-1*
Frigadier, Col Sig C
Chief Signal Officer.

A/4 3 days

Seen Col H. —

2878

26/1

Received 1st April 44

U.S. CONFIDENTIAL Equals British CONFIDENTIAL
COPY

ALLIED CONTROL COMMISSION OUTGOING LDD/hjp
MESSAGE

SVC/RELAY NO.

I/C NO : 7/19

CLASS: CONFIDENTIAL

REF NO : 2499

PREC : ROUTINE

FILED : 192210A MAR

FROM : FATIMA REAR

REC'D :

TO : FREEDOM

ITALIAN ARMY OFFICER CMA WHO IS IN CHARGE OF CIPHER SECTION CMA COMANDO SUPREMO
CMA CLAIMS TO HAVE INVENTED A SIMPLE HAND OPERATED SECRET LETTER TRANSFORMATION
CIPHERING MACHINE FOR FIELD AND GENERAL USE WHICH HAS DIRECT READING OF TEXT
BOTH IN CLEAR AND CIPHER ON MACHINE PD RAREN TO FREEDOM FOR CSO FROM FATIMA REAR
FROM STONE SIGNED MACFARLANE PAREN USE OF THREE CMA THREE OR FOUR KEYS GIVES
HIGHER DEGREE OF SECRECY EXPRESSED BY THREE ZERO SLANT FOUR ZERO FIGURE NUMBER
PD IDEA IN BLUE PRINT STAGE DUE TO LACK OF FACILITIES TO MAKE MODEL PD INVENTOR
WILLING ALLIED FORCES HAVE USE OF MACHINE DURING THE WAR WITH UNDERSTANDING
HE RECEIVES SUCH PROTECTION ON HIS PATENT AND CONSIDERATION AS IS GIVEN ALLIED
INVENTORS UNDER SIMILAR CIRCUMSTANCES AND THAT THE ITALIAN ARMY BE PROVIDED
WITH FIFTY MACHINES FOR ITS USE PD SUGGEST QUALIFIED CIPHER MACHINE EXPERT WHO
CAN STATE WHAT PROTECTION CAN BE GIVEN BE SENT HERE TO INVESTIGATE PD ADVISE

AUTHENTICATED:

ELLEY W. STONE
Captain, USNR
Deputy Chief Commissioner

DISTRIBUTION:

- 2 - AG Files
- 1 - Dep Chief Comm
- 2 - Dep Sec Gen

U.S. CONFIDENTIAL Equals British CONFIDENTIAL

26/1.

JLH/epc

97

HEAD HEADQUARTERS
ALLIED CONTROL COMMISSION
AFC 394

1 April, 1944

In reply
refer to: TPB/26/1/97

Subject: Italian Ciphers

To: Cipher Section, ACC Signals, Ho.A.C.C.

1. Two copies are enclosed of the Italian cipher used on the Naples - Palermo - Cagliari cables commencing 1 April 44.

2. Please retain these in safe custody; they may be required to carry out a check on traffic at some time.

3. Kindly acknowledge receipt on appended form.

J.L. Henderson
Colonel
Director, Telecommunications and Posts Sub-Commission

2876

REAR HEADQUARTERS
ALLIED CONTROL COMMISSION
APO 394

In reply
refer to: TFS/26/1/97

1 April, 1944

Subject : Italian Ciphers

To: : Telecommunications and Posts Sub-Commission

Receipt is acknowledged of the following:-

<u>Reference</u>	<u>No. of Copies</u>	<u>Copy Nos.</u>
60090/0-Cif.	2 ✓	7,8. ✓
60083/0-Cif. ✓	1 ✓	- ✓
60087/0-Cif. ✓	1 ✓	- ✓
60090/0-Cif. ✓	1 ✓	- ✓
60083/0-Cif. Tabella Nos. 1-4. ✓	2 ✓	4,5. ✓
60087/0-Cif. Tabella Nos 1-4 ✓	2 ✓	4,5. ✓

Signature *R. J. Novak...*

Rank.....*1st Lt. Sig. C.*

Unit. *N.S. C.F. YET. T.F. 400 #9...*
140 400

Date. *3 April 1944*

file

2875

Subject:- Italian Cipher.

SECRET

HQ A.A.I.

Z783/2/X.

30 Mar 44.

Director,
Telecommunications and Posts Sub-Commission,
Rear HQ, A.C.C.

Ref your ES/26/1/94 of 24th March.

1. Two copies of the Cipher to be brought into use on 1st April 1944 have been abstracted for use at this HQ, and by Signal Officer Sardinia.

2. The remaining two copies (Nos. 7 and 8 of Basic Book) together with personal numbers and covering instructions, are returned herewith.

3. Kindly acknowledge receipt on form below.

WCH: ii

Seen Col Hb. *[Signature]*

[Signature]
Brigadier,
Chief Signal Officer.

Received 31/3/43

0231

SECRET

195

Subject:- Italian Cipher.

Hq A.A.T.

2783/2/X.

23 Mar 44.

Director,
Telecommunications and Posts Sub-Commission,
Rear Hq, A.C.C.

94

Ref your TS/26/1/92 of 20th March 44 para 2.

1. I agree that no useful purpose would be served in circulating additional copies of the cipher at this juncture.
2. I should be grateful, however, if the two copies for use at Naples and Sardinia could be regarded as included in the normal distribution when future changes of books and personal numbers are made.

WCH: ii

Brigadier
Brigadier,
Chief Signal Officer.

Seen: Col. H. *W*
Col. M. *28/3*

TS/26/1

Recd. 24 Mar. 44.

Signature.....Major
for Brigadier

~~TOP SECRET~~

JLH/tjj

To: Chief Signal Officer, Allied Armies in Italy.
 From: Telecommunications and Posts Sub-Commission, Rear HQ, ACC.
 Subject: Italian Ciphers.
 Reference: TS/26/1/94 : 24th March, 1944.

1. Further to this office letter No. TS/26/1/92 dated 20th March, 1944, para 2. Four copies of the new issue are enclosed herewith.

2. All four copies have been forwarded as it is not quite clear without opening up all the packets exactly what constitutes a complete set. Would you be good enough to abstract the two copies you require and return the balance to this office.

3. We are advised that although the proposed date for the introduction is 1st April, owing to difficulty of transport for the Italian Government to Gardinia, there may be some unavoidable delay in bringing the new books into use.

J. L. Henderson
 Colonel,
 Director, Telecommunications and Posts Sub-Commission.

see 28/6/44

File

U. S. SECRET
Equals British MOST SECRET

OUTSIDE ONLY.

G-2 (ADVANCED INTELLIGENCE) AFHQ
c/o PERIPHERAL BASE SECTION
HAPLES

WVJH/ped

14 March 1944

SUBJECT: Italian Ciphers in Sardinia.

TO : Director, Telecommunications and Posts Sub-Commission, Rear Head-
quarters, Allied Control Commission, APO 394, U.S. Army.

We acknowledge receipt of your letter TS/26/1/79 dated 5th instant, and
thank you for the information.

We have just received a copy of a further request by Lt. Col. LONDON,
dated 29th January and another memorandum dated 1st March copies of which we
enclose, and should be grateful for any replies you could obtain from your
sources.

R. J. C. GAVE,
Major, C.S.,
Commanding.

Encls: As above.

U. S. SECRET
Equals British MOST SECRET

U. S. SECRET
Equals British SECRET

ALLIED FORCE HEADQUARTERS
Office of the Assistant Chief of Staff, G-2
SIGS I SECTION

93-2

B.389/753/14.

1 Mar 44.

Memorandum to: G-2 (Advanced Intelligence) Section
c/o HQ, PDS, APO 732

Reference my even number of 29 Jan 44.

Can you please let me know what the position is as regards the provision of the outstanding material and information by the ITALIANS.

P.W. LONNAN,
Lt-Col., G.S.,
for Colonel, G.S.

2569

U. S. SECRET
Equals British SECRET

U. S. SECRET
 Equals British MOST SECRET

ALLIED FORCE HEADQUARTERS
 Office of the A.C. of S., G-2

193-3

B-389/753/14

29 Jan 44.

Memorandum to:- G-2 (Advance Intelligence) Section,
 c/o Advance Administration Echelon,
 A.F.H.Q., C.M.F.

Your T2/3/1 of 15 Jan 44.

1. Thank you very much for the information enclosed and we now await copies of the documents and other information which the ITALIANS have stated is forthcoming in their reply to Lt-Col. MILLAR.
2. Would you please inform Lt-Col. MILLAR that his letter adequately covers our requirements except for one point which was raised in my Signal 437 of 15 Nov 43.
3. Two stations using call signs ARI and CJH were operating in SARDINIA using a F 3 fig. procedure code and we require a copy of this code.
4. They were ITALIAN Police stations working in SASSARI and NUORO respectively and formed part of a police network. We should like to know anything you can find out concerning the remaining stations on the network which will be in GERMAN occupied ITALY. Such things as location of station, power and type of transmitter, call signs and frequencies used, codes and ciphers used etc. will be valuable information.

P. W. DONNOM,
 Lt-Col., C.S.,
 Sigs 1, G-2.

*Celso DUCROS asked
 to provide information
 asked for, 23 March,*

See 10 P-11

2868

For

U. S. SECRET
 Equals British MOST SECRET

To: Chief Signal Officer, Allied Armies in Italy.
 From: Telecommunications and Posts Sub-Commission, Rear HQ, AGO.
 Subject: Italian Ciphers.
 Our Ref: TS/26/1/92 : 20th March, 1944.
 Your Ref: 2733/1/X : 10th March, 1944.

1. (a) A total of ten copies of the Beta, Gamma and Delta ciphers is being supplied to this office. These will be distributed as follows: 6 to you for your requirement given in para 5 of your 2783/1/X of 17th February; 2 to you for forwarding to AFHQ for onward transmission to London and Washington; 2 for AGO.

- (b) In view of para 2(a) of your letter of 19th February, the Alpha cipher is not being produced, and therefore the request in para 3 of your letter of 10th March cannot be met in respect of this cipher.

2. Reference your two letters both 2783/2/X dated 16th March, the code books and personnel numbers are being changed at midnight 31st March/1st April. Four copies of the new issue have been requested, and two of them will be forwarded to you for use at Naples and Sardinia as soon as possible. It is not considered that the additional copies of the present books could now be obtained and circulated in time to be of any appreciable value, and it is hoped that this action will meet with your approval. It is confirmed that the cipher that has been in use is in fact the book cipher authorized in AFHQ cable 10418, of which copies are held by AFHQ.

2867

J. L. Kennerdon
 Colonel,
 Director, Telecommunications and Posts Sub-Commission.

see 94
 95

MOST SECRET

Subject:- Ciphers for Italian Army,

HQ A.A.I.

2783/2/X.

16 Mar 44.

Director,
Telecommunications and Posts Sub-Commission,
A.C.C.

Ref your D/P.T.S./26/1/85 of 10th March 44.

1. I am informed by GI(b) that they do not specially require to impose a censorship on Italian Government official traffic within Government Controlled territory.
2. They do consider, however, that it might be advisable to carry out an occasional snap check on traffic passed on the NAPLES-SARDINIA cable.
3. I should be grateful therefore, if you could forward copies of the book and keys, which I could then transmit to S.O. SARDINIA.

WCH: ii

Sm Linder
Brigadier,
Chief Signal Officer.

Seen: Col. 4.
2866

Received 17th March 44.

TS/26/1

M O S T S E C R E T

HQ AAI

SUBJECT : Italian Ciphers

2783/2/X

16 Mar 44

Director,
Telecommunications and Posts
Sub-Commission,
ACC

Ref your TS/26/1/86 of 10 Mar 44.

1. Your para 1. There would appear to be no objection to this authority being extended to other users with whom the Italian Supreme Command might wish to communicate over authorised wireless channels.
2. Your para 3. I agree that the production of the Ciphers, and training in their use, should be arranged well in advance of their anticipated use.
3. A request to MMIA for the provision of two copies of each of these Ciphers, for examination in London and Washington, was made under my 2783/1/X of 10 Mar 44. I understand that the request has now been passed to you.

I should be grateful if they can be supplied as early as possible, in order that I can forward them to AFHQ.

WCH/MK

Brindley
Brigadier,
Chief Signal Officer.

Seen: Col. H. *[Signature]*

2865

Received 17th March 44.

TS 126/1

0 2 1 0

Telecom (Rear)
 BRITISH MOST SECRET ~~SECRET~~
 Q-610
 SUBJECT: Clothes for Italian Army

Army Sub Commission A.C.C.
 Main H.Q. (RAIA)
 LEVIGLE (LECCE)
 X 17
 13 Mar 44

89-1

Telecoms Branch
 Main H.Q., A.C.C.

Copy to: CGO Allied Armies in Italy

Attached is AAI (ACMF) letter 2783/1/X of 10 Mar 44.

This is fwd to you as you have previously been dealing with the matter and hold all relevant correspondence.

APC

13/20/1



[Signature]
 Brigadier,
 Army Sub Comm A.C.C.

BRITISH MOST SECRET = U.S. SECRET.

Subject: Ciphers for Italian Army.

HQ ACMT

2783/1/X

10 Mar 44.

M.M.I.A.

1. Copies of ciphers designated Alpha, Beta, Gamma and Gamma Bis were brought to this HQ by Lt. Col Ducros on 7 Dec 43. They were submitted to AFHQ with a view to examination as to their suitability for use by the Italian Army.
2. My 2783/1/X⁷⁴ of 19th Feb 44 stated that three of the ciphers, i.e. Beta, Gamma and Gamma Bis were approved for use in the event of permission being given for the opening up of wireless communications by the Italian Army.
3. AFHQ have now requested that two additional copies of each of the four ciphers mentioned be provided for examination in London and Washington.
4. Would you, therefore, please arrange for these ciphers to be forwarded to this HQ as early as possible for onward transmission to AFHQ.

WCH: Gajt

W. H. H. H. H. H.
Brigadier,
Chief Signal Officer.

226

ALLIED FORCE HEADQUARTERS
Office of the Assistant Chief of Staff, G-2
SIGS I, G-2 SECTION

B-389/753/14

15 Mar 44

Memorandum to:- Director
Telecommunications and
Ports Sub-Commission
Allied Control Commission ✓
A P O 394

Your TS/26/1/77 of 5 Mar 44.

Copies of the documents referred to in para 2 of
your above quoted letter have been received in this office
and we thank you very much for the efforts you have made
in trying to obtain them for us.

Copy to:- G-2(Advanced Intelligence)
C/OHQ PBS, APO 782.

P.W. LONNAN,
Lt.-Col., G.S.,
for Colonel, G.S.

Seen Col. H. *[Signature]*

Received 19 MAR 44

Telegrams (Rev)

Subject:- Ciphers for Italian ArmyArmy Sub Commission AGC
M in HQ (1941)
LE JULE (1942)
X 17

7 Mar 44

AGT (2 copies)
AGC (Telegrams) Per Italian ✓

74

Ref your 2785/1/X of 19 Feb

1. This letter has been passed to the Telegrams Branch of the AGC who have handled all questions of Ciphers with the Italian Forces and Government in the past and have all the relevant correspondence.
2. Telegrams Branch AGC agreed that in order to maintain the continuity of contact and correspondence they will deal with this question.

Seen:- Col. H. [Signature] [Signature]
 Col. M. [Signature] Brig
 Col. B. [Signature] Army Sub Com AGC
 Agostoli asked for 17/3.
 Spies to be supplied to us 17/3.

- GSH

Received 12th March 44.

0244

12 MAR 1944 1759

CONTROL COMMISSION
ALLIED MILITARY FREEDOM - INCOMING MESSAGE /hft

SVC/RELAY NO.

M/C NO:

CLASS: ~~IN CLEAR~~

REF NO: 29069

PREC : NOT GIVEN

FILED : MAR 120835A

FROM : CHIEF GIBRALTAR FROM CSO

REC'D : MAR 121325A

TO : REAR HQ ALLIED CONTROL COMMISSION ITALY RPTD FREEDOM
ALGIERS FOR COL J. L. HENDERSON

Letter RS/26/1 27th Feb MANZINI reported ^{Arranged} details for Italian
traffic to and from ESTERI.

DISTRIBUTION:

- 1 - AG
- 1 - DSG (info)
- 1 - DCC (info)
- 1 - Telecomms (info) ✓

2861

JUN/63

REAR HEADQUARTERS
ALLIED CONTROL COMMISSION
APO 394In reply refer
to: RG/26/1/86

10th March, 1944

Subject: Ciphers for Italian Army.

To: Chief Signal Officer, HQ, ACMF.

1. Reference your 2783/1/X dated 19th February, 1944.
The Italian Supreme Command has requested whether this authority
might be extended in the future to use by other than Italian
Army users.

2. The Supreme Command exercises control over the Italian
Navy and Italian Air Force, and has administrative responsibilities
for these forces. There is also the possibility that Italian
Government branches might desire to send cipher messages over
authorized wireless channels.

3. The request is made at the moment in order to be able
to prepare the number of copies and train the requisite number of
personnel to suit the extent of the possible utilisation.

J. L. Henderson
Colonel,
Director, Telecommunications and Posts Sub-Commission.

see 91

2860

TOP SECRET

1000 311/433

REAR HEADQUARTERS
ALLIED CENTRAL COMMISSION
APO 394

7/10.13/26/1/85

1000 March, 1944.

Reference your 2783/1/X dated 8th March, 1944, it is confirmed that ciphers are in fact being used on the Naples-Bardonia cable.

It has been an AFHQ policy decision that there is no censorship on Italian Government official traffic within Government controlled territory, unless specially required by G.2. Bardonia is, of course, now included in that area. As there is no censorship, cipher of any kind is permissible unless a special regulation is made for a particular circuit.

Under present arrangements there can in fact be no effective censorship on the bulk of the telegraph circuits controlled by the Italian Government, and these circuits cover all Government territory except Bardonia, for which communications happen to have to pass over the military controlled cable. Sicily on the other hand can be reached via Reggio without using the Naples-Bardonia cable, although the latter is actually being used for convenience and speed.

If you consider that communications by the Italian Government with Bardonia come in a special category from the point of view of military security, no doubt you will raise this matter. As things stand no supervision is exercised over their communications with Bardonia or elsewhere in Government controlled territory.

I understand that they are in fact using the book transposition cipher authorized in AFHQ cable 10418, of which copies have been sent to AFHQ. I am enclosing this, and will get some more copies of the books for you. The other cipher authorized in AFHQ cable 51235 is not yet prepared, but copies are being made for you in accordance with your letter of the 19th February, 1944.

It is thought that the reason for the Italian use of ciphers was to keep the subject matter secret from their own authorities, officials, and not from the Allied authorities.

The regulations regarding the use of specially authorized ciphers referred to in your paras 2 and 3 are made with the object of checking that the traffic sent by wirelogs, or by commercially operated cables with pieces outside Italian controlled territory, contains nothing of value to the enemy.

Reference your 2/03/41 dated 20th March, 1941, is confirmed that ciphers are in fact being used on the Naples-Sardinia cable.

It has been an AFHQ policy decision that there is no censorship on Italian Government official traffic within Government controlled territory, unless specially required by G.C. Sardinia is, of course, now included in that area. As there is no censorship, cipher of any kind is permissible unless a special regulation is made for a particular circuit.

Under present arrangements there can in fact be no effective censorship on the bulk of the telegraph circuits controlled by the Italian Government, and these circuits cover all Government territory except Sardinia, for which communications happen to have to pass over the military controlled cable. Sicily on the other hand can be reached via Reggio without using the Naples-Taranto cable, although the latter is actually being used for convenience and speed.

If you consider that communications by the Italian Government with Sardinia come in a special category from the point of view of military security, no doubt you will raise this matter. As things stand no supervision is exercised over their communications with Sardinia or elsewhere in Government controlled territory.

I understand that they are in fact using the book transposition cipher authorized in AFHQ cable 10416, of which copies have been sent to AFHQ. I am checking this, and will get some more copies of the books for you. The other cipher authorized in AFHQ cable 11255 is not yet prepared, but copies are being made for you in accordance with your letter of the 19th February, 1944.

It is thought that the reason for the Italian use of ciphers was to keep the subject matter secret from their own subordinate officials, and not from the Allied authorities.

The regulations regarding the use of specially authorized ciphers referred to in your paras 2 and 3 are made with the object of checking that the traffic sent by wireless, or by commercially operated cables with poles outside Italian controlled territory, contains nothing of value to the enemy.

Yours

see 90

Brigadier R.F.C. Holder,
HQ. ACUF.

MOST SECRET AND PERSONAL

HQ ACMAF

2783/1/X

8 Mar 44

Dear JL

1. I understand that ciphers are being used by the Italians on the NAPLES - SARDINIA cable link.

2. I am not quite certain as to the exact nature of the ciphers used, but I assume that they are either,

(a) That authorised by AFHQ 10418 of 6 Dec 43,

or

(b) One of those authorised by AFHQ 51235 of 13 Feb 44.

3. In the case of 2(a) above, it was stipulated that two copies of all relevant keys should be forwarded to CSO AFHQ.

In the case of 2 (b) above, my 2783/1/X of 19th Feb 44 addressed M.M.I.A. requested that six copies of all keys and basic documents, together with a list of holders, be forwarded to this HQ before the ciphers were taken into use.

Up to the present, no keys or documents have been received at this

HQ.

4. You will appreciate that, in the case of the cipher referred to in para 2(a) above, the provision of keys to CSO AFHQ, ensures that facilities exist for the monitoring of traffic passed on the ITALY - MALTA - GIBRALTAR submarine cable. No such facilities exist, however, for monitoring traffic passed on the NAPLES - SARDINIA cable.

5. You will further appreciate that a direct request to the Italian authorities for the provision of keys to cipher used on the NAPLES - SARDINIA link, would naturally dissuade them from passing by this means, any communication the substance of which was prejudicial to our interests. They would obviously choose some other means of communication, i.e. Courier.

6. In view of this, and the fact that it is most essential that all Italian traffic be satisfactorily monitored, I should be most grateful if you could ensure that the keys of those ciphers used on the NAPLES - SARDINIA link are forwarded to me without the knowledge of the Italian authorities. I can then make the necessary arrangements which will include passing these to the Signal Officer, Allied Garrison, Sardinia, who will have a monitoring responsibility.

7. In the event of the action indicated in para 6 above not being possible, I should be grateful if you could advise as to the best means to be adopted by S.O. Allied Garrison, Sardinia, to ensure that Italian traffic is supervised.

0249

1. I understand that ciphers are being used by the Italians on the NAPLES - SARDINIA cable link.
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In the case of 2 (b) above, my 2783/1/X of 19th Feb 44 addressed M.M.I.A. requested that six copies of all keys and basic documents, together with a list of holders, be forwarded to this HQ before the ciphers were taken into use.

Up to the present, no keys or documents have been received at this HQ.

4. You will appreciate that, in the case of the cipher referred to in para 2(a) above, the provision of keys to CSO AFHQ, ensures that facilities exist for the monitoring of traffic passed on the ITALY - MALTA - GIBRALTAR submarine cable. No such facilities exist, however, for monitoring traffic passed on the NAPLES - SARDINIA cable.

5. You will further appreciate that a direct request to the Italian authorities for the provision of keys to cipher used on the NAPLES - SARDINIA link, would naturally dissuade them from passing by this means, any communication the substance of which was prejudicial to our interests. They would obviously choose some other means of communication, i.e. Courier.

6. In view of this, and the fact that it is most essential that all Italian traffic be satisfactorily monitored, I should be most grateful if you could ensure that the keys of those ciphers used on the NAPLES - SARDINIA link are forwarded to me without the knowledge of the Italian authorities. I can then make the necessary arrangements which will include passing these to the Signal Officer, Allied Garrison, Sardinia, who will have a monitoring responsibility.

7. In the event of the action indicated in para 6 above not being possible, I should be grateful if you could advise as to the best means to be adopted by S.O. Allied Garrison, Sardinia, to ensure that Italian traffic is effectively supervised.

Yours

B. Henderson

Colonel J.L. Henderson,
Telecommunications & Posts Sub-Commission,
A.C.C.

see 85

REAR HEADQUARTERS
ALLIED CONTROL COMMISSION
APC 394

In reply refer
to: TS/26/1/89

6th March, 1944.

Subject: Italian Government Communications between Italy, Madrid and Lisbon.

To: AG Office, AGC, Salerno
AG Office, AGC, Naples
Signal Message Center, AGC, Salerno
Signal Message Center, AGC, Naples

1. A date will be fixed shortly for the introduction of a ciphered message system between Italy and Spain and Portugal for Italian Government messages only.

2. Outgoing messages from Italy will be enciphered by the Italian Government. The cipher text accompanied by two copies of the plain text version will be sent by hand to the AGC (Adjutant General) at Salerno or Naples where they will be passed to the Political Section.

3. If the result of this political inspection be satisfactory, procedure will be as follows:-

(a) Messages handed in at Salerno: The ciphered and clear copies of each message will be passed by the Political Section, Salerno, to the AG's Office. The ciphered copy will then be handed to the AGC Signal Office for transmission by teletype to the AGC Signal Office, Naples. The clear copy will be sent by AG Salerno by courier to AGC Signal Office Naples, and must not be transmitted to that office electrically. The ciphered and clear copies will be checked for agreement at the AGC Signal Office, Naples. Ciphered messages should however be passed for transmission (see para 5 below) without being delayed until the check for agreement of text has been completed.

(b) Messages handed in at Naples: The ciphered and clear copies of each message will be passed by the Political Section, Naples, to the AG's Office from which they will be sent to the AGC Signal Office, Naples. The ciphered and clear copies will there be checked for agreement. Ciphered messages may be passed for transmission (see para 5 below) without being delayed until the check for agreement of text has been completed.

(c) In the case of messages handed in at Salerno, the Political Section, Salerno, may at any time consider that the political check should be made in Naples. In these circumstances the ciphered and clear copies should be passed by the Political Section, Salerno, via AG, Salerno, to the Political Section, Naples, by courier, not by electrical means.

Signal Message Center, AGO, will be fixed shortly for the introduction of a ciphered message system between Italy and Spain and Portugal for Italian Government messages only.

2. Outgoing messages from Italy will be enciphered by the Italian Government. The cipher text accompanied by two copies of the plain text version will be sent by hand to the AGO (Adjutant General) at Salerno or Naples where they will be passed to the Political Section.

3. If the result of this political inspection be satisfactory, procedure will be as follows:-

(a) Messages handed in at Salerno: The ciphered and clear copies of each message will be passed by the Political Section, Salerno, to the AGO's Office. The ciphered copy will then be handed to the AGO Signal Office for transmission by teletype to the AGO Signal Office, Naples. The clear copy will be sent by AGO Salerno by courier to AGO Signal Office Naples, and must not be transmitted to that office electrically. The ciphered and clear copies will be checked for agreement at the AGO Signal Office, Naples. Ciphered messages should however be passed for transmission (see para 5 below) without being delayed until the check for agreement of text has been completed.

(b) Messages handed in at Naples: The ciphered and clear copies of each message will be passed by the Political Section, Naples, to the AGO's Office from which they will be sent to the AGO Signal Office, Naples. The ciphered and clear copies will there be checked for agreement. Ciphered messages may be passed for transmission (see para 5 below) without being delayed until the check for agreement of text has been completed.

(c) In the case of messages handed in at Salerno, the Political Section, Salerno, may at any time consider that the political check should be made in Naples. In these circumstances the ciphered and clear copies should be passed by the Political Section, Salerno, via AGO Salerno, to the Political Section, Naples, by courier, not by electrical means.

4. All messages should bear the message instruction P.L. (to be transmitted by landline or cable only) at the beginning, and this should be checked at the AGO Signal Centre.

5. The ciphered text of each message will be passed by AGO Signal Centre, Naples to PBS from which it will be transmitted over the Naples - Malta - Gibraltar submarine cable system in accordance with priorities already laid down by AFHQ. The use of this cable system for Italian ciphered messages and the use of a particular cipher have been authorized in AFHQ

0252

- 2 -

(No. AG311-20 SIG-AGM dated 20th December, 1943 to ACC along with AFHQ message No. 21290 dated 31st December, 1943.

PBS 6. Incoming messages will be routed back over the same cables usually using the telegraphic address of the Italian Foreign Office, which is "ESTERI". Two copies of the ciphered message will be sent by ~~ACC~~ to ACC Signal Office, Naples. From there one copy will be passed to the Italian Government. The other will be deciphered by ACC Signal Office, Naples, the ciphered copy and a plain copy being sent to the Political Section, Naples for check for security violation. ~~We~~ will retain or destroy the message.

7. All keybooks, additive numbers, etc., for the use of the cipher have already been passed to ACC Cipher Section, Naples, prior to its removal from Brindisi.

J. L. Henderson
Colonel,
Director, Telecommunications and Posts Sub-Commission

6. Incoming messages will be received over the same cables, usually using the telegraphic address of the Italian Foreign Office which is "ESTERI". Two copies of the ciphered message will be sent by PBS to the ACC Signal Office, Naples. One will be deciphered and a plain copy sent to the Political Section, Naples for check. When approved by that section the other copy will be passed to the Italian Government.

U. S. RESTRICTED

Reports British RESTRICTED ALLIED CONTROL COMMISSION - INCOMING

MESSAGE

/hft

SVC/RELAY NO.

M/C NO :

CLASS: RESTRICTED

REF NO: 1672

PREC : ROUTINE

FILED : MAR 052208A

FROM : FATIMA SIGNED MACFARLANE

REC'D : MAR 060845A

TO : FATIMA REAR FOR HENDERSON

via teletype

67

This is paraphrase of Freedom 59894 signed CINC for signals Fatima Rear 2412 February 28. By submarine cable landline agreed to by Gibraltar advise when ready plan for transmission traffic from Italian Government to Madrid.

DISTRIBUTION:

- 1 - AG
- 1 - DSG (info)
- 1 - DCC (info)
- 1 - Telecomms (action)

Seen: Col. H.
Col. M.

see also:- 24
56
57
62

2855

Received 6 Mar 44.

0254

U.S. CONFIDENTIAL Equals British
OUTGOING

4 MAR 1944 2173
TELECOMS

HTWM/sk

3/04

2432

MAR 04

181

CONFIDENTIAL
ROUTINE
FATIMA REAR
FREEDOM

68
-12
OUR REFERENCE TWO FOUR ONE SEVEN OF TWENTY EIGHTH FEB AND YOUR REPLY OF
SECOND MARCH ID TO FREEDOM FOR FBSIG DASH ONE FROM FATIMA REAR FROM HENDERSON
SIGNED MACFARLANE PD TWO COPIES OF CODE BOOKS WILL BE DELIVERED PERSONALLY
BY ITALIAN COURIER

AUTHENTICATED:

E.J. Chiocca
E.J. CHIOCCA
CWO, AUS
Asst AGJ

#onh

DISTRIBUTION:

- 1 - AG
- 1 - DSC
- 1 - DCC
- 1 - Telecomms ✓

2853

U.S. CONFIDENTIAL Equals British CONFIDENTIAL

BRITISH SECRET = U.S. SECRET.

Subject:- Italian Cipher.

H2 ACLE.

2783/1/X

4 Mar 44.

Director, Telecomms Sub-commission,
Rear B, A.C.C. A.P.O. 394.

Your TS/26/1/65 of 29 Feb 44.

TS/26/1/57 of 22 Jan and copy of Italian Cipher
received, and acknowledged by my 2783/1/X of 28 Jan.

not received

E. H. H. H. H. H.

ESH:ii

for Brigadier,
Chief Signal Officer.

2853

H/1/13J

REAR HEADQUARTERS
ALLIED CONTROL COMMISSION
APO 394

SECRET

HA

5th March, 1944.

In reply refer
to: TS/26/1/

Subject: Italian Ciphers in Sardinia.

To: Lieut. Hird, Adv. G2 Section, AFHQ.

Further to ACC letter No. TS/8/1 of 15th
January, 1944.

1. A print is attached showing the location of radio stations in Sardinia regarding which you made an enquiry on 22nd December, 1943.

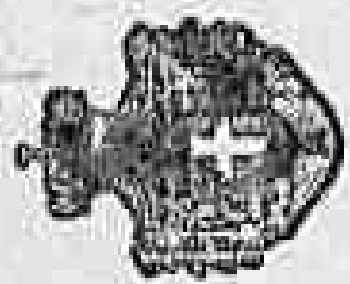
2. The key books referred to in above ACC letter have been sent direct to AFHQ (Signal Security Section). A copy of the letter accompanying the books has been sent to you.

3. An effort is still being made to obtain lists of call signs. This appears to be the only outstanding item and perhaps you will confirm.



J. L. Henderson
Colonel,
Director, Telecommunications and Posts Sub-Commission.

2582



COMANDO SUPREMO

Ufficio Telecomunicazioni

=====

Prot. N. 80310 Allegati 1

OGGETTO: Comunicazioni radio italiane.

Alta COMMISSIONE ALLEATA DI

CONTROLLO

Risposta al foglio del

Div. Sez. N.

Riferimento foglio TS/26/1/66 in data 29 Febbraio 1944.-

1)- A seguito di quanto comunicato verbalmente al Lt. Col.

MULLER, si rimette un grafico indicante la località delle

stazioni radio della Sardegna ed i Comandi che le usavano

(numeri(1) e (2) del paragrafo 1a del foglio di cotesta

A.C.C. n. TC/8/1 del 2 Gennaio 1944).

2)- In quanto alla Citta degli indici di collegamento (nune

ro (3) del paragrafo 1a del foglio suddetto), le informazioni

pervenute non sono esaurienti e sono state chieste ulteriori

informazioni.-

per request

d'ordine

IL CAPO UFFICIO

(Cap. di Troia R. Barbone)

[Signature]

2851

HEAD HEADQUARTERS
ALLIED CONTROL COMMISSION
AFM 39/

1000/333

5th March, 1944.

In reply refer
to: 1000/333

Subject: Italian Cipher in Germany and Germany.

To: AFM - 333 I - 02.

1. With reference to your message No. 16224 dated 19th December, 1943 to "Donkey Brains" (cite P1001). The matter therein was raised by Capt. Bird of AFM G2 Section with Colonel Memmrich, Director, of the Telecommunications and Posts Sub-Commission. Some of the information required was obtained, but at the time it was not possible to supply any copies of the key books, as they were and are still out of print.

2. It has now been possible to secure a few copies as follows and these have been sent to AFM - Signals Intelligence Section by registered courier.

- | | |
|---|----------|
| 1. 1A Cavalleria delle Wachbunde | 1 copy |
| 2. 1A guerra divolta | 1 copy |
| 3. 1A guerra to per to | 2 copies |
| 4. 1 combattenti italiani nella guerra contro la Russia | 4 copies |

Wachbunde

2850

V. L. Memmrich
Colonel,
Director, Telecommunications and Posts Sub-Commission.

Copy to: Capt Bird, AFM G2 Section, AFM.

COMANDO SUPREMO
Ufficio "I" - Sezione Organizzazione

N° 60074/O-Cif. di prot.

P.M. 151, li 5 marzo 1944

OGGETTO: Comunicazioni radio italiane - Cifrari e codici.

ALLA COMMISSIONE ALLEATA DI CONTROLLO
Telecommunications and Posts Sub-Commission - SALERNO

~~~~~  
**SEGRETO**

Risposta a vostra TS/26/1/64 del 29 febbraio 1944.

Vi trasmettiamo i seguenti volumi:

- |                                                                      |            |
|----------------------------------------------------------------------|------------|
| 1) - "Le Cavalcata delle Valchirie" .....                            | copia N° 1 |
| 2) - "L'ancora divelta" .....                                        | " " 1      |
| 3) - "La sposerò io per te" .....                                    | " " 2      |
| 4) - "I combattenti italiani nella guerra contro<br>la Russia" ..... | " " 4      |

Non è stato possibile inviarli prima perchè a

noi pervenuti solo in data di ieri.

Il Comando Militare della Sardegna non ha potuto aderire alla richiesta del numero di copie da voi desiderato perchè i libri sono esauriti in commercio e non è stato possibile provvederne. =

IL VICE CAPO UFFICIO INFORMAZIONI  
(Ten.Col.S.M. R.De Francesco)



*Dist. TS 26/1*

OGGETTO: Comunicazioni radio italiane - Cifrari e codici.

ALLA COMMISSIONE ALLEATA DI CONTROLLO  
Telecommunications and Posts Sub-Commission - SALERNO

\*\*\*\*\*  
**SEGRETO**

Risposta a vostra TS/26/1/54 del 29 febbraio 1944.

Vi trasmettiamo i seguenti volumi:

- |                                                                      |            |
|----------------------------------------------------------------------|------------|
| 1) - "La Cavalcata delle Walchirie" .....                            | copia N° 1 |
| 2) - "L'ancora divelta" .....                                        | " " 1      |
| 3) - "La sposerò io per te" .....                                    | " " 2      |
| 4) - "I combattenti italiani nella guerra contro<br>la Russia" ..... | " " 4      |

Non è stato possibile inviarli prima perchè a noi pervenuti solo in data di ieri.

Il Comando Militare della Sardegna non ha potuto aderire alla richiesta del numero di copie da voi desiderato perchè i libri sono esauriti in commercio e non è stato possibile provvederne. =

IL VICE CAPO UFFICIO INFORMAZIONI  
(Ten.Col.S.M. R.De Francesco)



*[Handwritten signature]*

*[Handwritten: Distruttibile]*

*[Handwritten: TS 26/1]*

*[Handwritten: R.D.F.]*

*[Handwritten: 573]*

0261

HTWM/413

Secret

REAR HEADQUARTERS  
ALLIED CONTROL COMMISSION  
APO 394

5th March, 1944.

In reply refer  
to: T3/26/1/15

Subject: Italian Ciphers.

To: Lieut.-Colonel Pueros, Cipher Section,  
Comando Supremo.

Please see the attached copy of an instruction  
from C30, HQ, ACOMF, to the Military Mission to the Italian  
Army.

Would you kindly make the arrangements required  
in paragraph 4 of the instruction, and deal when necessary  
with paragraph 5 via ACC.

*H. L. Henderson*

J. L. Henderson  
Colonel,  
Director, Telecommunications and Posts Sub-Commission.

2828

0262

BRITISH SECRET = U.S. SECRET

HQ ACLMF

2783/1/X

M.M.I.A.

19 Feb 44

Copy to : G (I)

Subject: Ciphers for Italian Army

1. In the event of permission being given for the opening up of wireless communications by the Italian Army, either in emergency, or in connection with internal security plans, certain ciphers have been approved for use by Italian personnel.

2. These ciphers are among those submitted to this HQ by Lt Col Ducros on 7 Dec 43. They have been subjected to expert examination, and have been classified as follows:

- (a) The system designated ALPHA may NOT be used.
- (b) Those designated BETA, GAMMA, and GAMMA BIS may be used for administrative traffic, and in emergency.
- (c) The ciphers themselves are cumbersome, and are NOT suitable for operational use.

3. In view of para 2 (c) above, care will be taken that, should the need for these ciphers arise, their use is limited to that prescribed in para 2 (b) above.

The question of ciphers for operational use will be examined as and when the need arises.

4. Arrangements should be made forthwith for the training of a sufficient number of Italian personnel in the use of the ciphers mentioned in para 2 (b) above.

Such training will be strictly limited to the enciphering and deciphering of typical administrative messages. The training of any particular section of operators will be confined to the office in which they are being trained. In no circumstances will a message enciphered in one office, be transmitted to another office for deciphering.

5. Six copies of all keys and basic documents, together with a list of holders, will be forwarded to HQ, ACLMF, before any of the above ciphers are brought into use.

(sgd)

Brigadier,  
Chief Signal Officer.

0 2 6 3

1. In the event of permission being given for the opening up of wireless communications by the Italian Army, either in emergency, or in connection with internal security plans, certain ciphers have been approved for use by Italian personnel.

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5. Six copies of all keys and basic documents, together with a list of holders, will be forwarded to HQ, ACME, before any of the above ciphers are brought into use.

(sgd)      72973      Brigadier,  
Chief Signal Officer.

WCH: dajt.

see 88

See: Col. H. Lacy  
Col. H. Lacy

0264

UNITED STATES MILITARY MISSION INCOMING MESSAGE

*C.S. Capt Ayres*  
4728

**ACTION COPY**

3 MARCH 44

*Colville*

CONFIDENTIAL

CONFIDENTIAL

M/C NO. 1/03 *Salerno*

ROUTINE

RMT NO. 58992

FREEDOM

FILED 021542

FATIMA

REC'D 0010



LANDLINE

CONCURRENCE ~~AT~~ PLAN. / FOR SIGNALS FATIMA SIGNED CINC CITEHSIG REUR 2412  
FEB 28. / FOR HANDLING ITALIAN TRAFFIC TO MADRID BY SUEMARINE CABLE-LANDLINE  
REQUESTED OF CSO GIBRALTER. WILL ADVISE DETAILS WHEN REPLY IS RECEIVED. QUERY ARE  
YOU READY TO BEGIN TRANSMISSION.

CONFIDENTIAL

**ACTION COPY**

*Howe*  
*file*  
ACC DIST

2846

ACTION CSO-CAPT. AYRES  
ADJ  
INFO DEP  
FILE  
FLOAT  
CAB

0265

Declassified E.O. 12356 Section 3.3/NND No. 785015U.S. CONFIDENTIAL *Equals British* CONFIDENTIAL  
ALLIED CONTROL COMMISSION - INCOMING

3 MAR 1944

MESSAGE /hft

SVC/RELAY NO.

CLASS: CONFIDENTIAL

PREC: ROUTINE

FROM: FATIMA

TO: FATIMA REAR

M/C NO:

REF NO: 4723

FILED: MAR 031615A

REC'D: MAR 031713A

via teletype

*Reason 68*

Reason for use Italian commercial code for certain message not understood.

Rear 2417 Feb 28. However see no objection to using it for unclassified messages provided clear texts are approved by censorship prior to encoding.

Forward to Chief Signal Officer AFHQ, attention FHSIG-1, 2 copies code books. (Extract original by courier.)

DISTRIBUTION:

- 1 - AG
- 1 - DSG (info)
- 1 - DCC (info)
- 1 - Telecomms (action)

*See:- 62  
81**See:- Col. H. [initials] [initials]*

2845

*Recd. 16th March 1944.*U.S. CONFIDENTIAL *Equals British* CONFIDENTIAL

JLN/ech.

REAR HEADQUARTERS  
ALLIED CONTROL COMMISSION  
APC 394

TS/26/1/

27 February 1944.

Subject: Italian Diplomatic Messages to Madrid.

To : CSC, Gibraltar.

1. AFHQ message No. 10418 of 6 Dec to Allied Control Commission gave permission to the Italian Government to use an Italian cipher on the submarine cable route from Italy to Madrid, via Gibraltar.

2. The bearer, Dr. Raimondo Manzini, a consular attache of the Italian Foreign Office, is making the final arrangements at the Madrid end. Perhaps you would be good enough to advise him should he be in doubt about details of routing, addressing of messages, etc, at the Madrid end.

*[Signature]*  
W. L. HENDERSON,  
Colonel.

Director, Telecommunications and Posts Sub-Commission.

*Original to be given to D. Manzini  
by hand*

see 87  
2844

0267

JLR/coh

70

HEAD HEADQUARTERS  
ALLIED CONTROL COMMISSION  
APC 394

In reply refer  
to: TS/26/1.

27 February 1944.

Subject: Italian Communications.

To : The Political Section.

1. A representative of the Italian Foreign Office has asked this Sub-Commission for communication between Italy and Ankara for diplomatic messages. *It* agreed that the manner of establishing communication should now be raised with AFHQ.

*J. L. Henderson*

J. L. HENDERSON,  
Colonel.

Director, Telecommunication and posts Sub-Commission.

2843

JLR/ccn

64

REAR HEADQUARTERS  
ALLIED CONTROL COMMISSION  
AFC 394

27 February 1944.

TS/26/1.

Subject: Italian diplomatic Messages to Madrid.

To : CSO, AFHQ.

Message No. 10418 of 6 Dec from AFHQ gave permission to the Italian Government to employ a modified Italian cipher on cable communications to Madrid.

The bearer, Dr. Raimondo Manzini, a consular attache of the Italian Foreign Office, is making the final arrangements at Madrid, and has been given this introduction to enable him to refer to the CSO when at Algiers, should any doubtful points arise after his visit to Madrid.

*W. J. L. Henderson*W. J. L. HENDERSON,  
Colonel.

Director, Telecommunications and Posts Sub-Commission.

*Original file given to**Manzini by hand*

2842

BEST COPY POSSIBLE

0270

Declassified E.O. 12356 Section 3.3/NND No. 785015

OUTGOING

Telecoms  
HFM/mst

9/28

U.S. CONFIDENTIAL Equals British CONFIDENTIAL

24/7

CONFIDENTIAL

ROUTINE

FEB

FATIMA

28/1940

FREEDOM

62

REFERENCE FIVE ONE THREE FOUR ONE OF FOURTEENTH FEBRUARY PAREN TO FREEDOM  
 FOR FBISG FROM FATIMA FROM HENDERSON SIGNED MICHAEL ONE PAREN SUBJECT  
 ITALIAN MESSAGE TO MADRID PD MAY CERTAIN MESSAGES WHICH WOULD OTHERWISE  
 GO IN CLEAR BE SENT IN AN ITALIAN PRIVATE COMMERCIAL CODE PD TWO COPIES OF  
 THE CODE BOOKS TO BE SUPPLIED TO AFHQ

AUTHENTICATED:

E. J. CHICCO  
 CWO USA  
 Asst Adj

HOK

DISTRIBUTION:

- 1 - AG DSG EUC ea
- 1 - Telecom Sub Comm Col Henderson

see:- 72  
 81  
 73

U.S. CONFIDENTIAL Equals British CONFIDENTIAL

28/1

U.S. CONFIDENTIAL Equals British CONFIDENTIAL

OUTGOING

CONFIDENTIAL

ROUTINE

FATIMA

FREEDOM

REFERENCE AC THREE ONE ONE DASH TWO ZERO SIG LASH AKA OF TWENTIETH  
DECEMBER PAREN TO FREEDOM FOR FHSIG FROM FATIMA FROM HENDERSON SIGNED  
MCCARLANE I OPEN SUBJECT ITALIAN GOVERNMENT MESSAGES TO MADRID PD  
HAVE YOU MADE NECESSARY ARRANGEMENTS WITH CSO GIBRALTAR OR SHOULD  
THIS HQ DO SO VERY

AUTHENTICATED:

*E. J. Chocoma*  
E. J. CHOCOMA  
CWO USA  
ASST Adj

DISTRIBUTION:

- 1 - AG - DSG - IOC ea
- 1 - Telecom Sub Commission

*see 82*  
*62 2820*  
*57*

0 2 1 2

REAR HEADQUARTERS  
ALLIED CONTROL COMMISSION  
APO 394

HTW 3

66

29th February, 1944

In reply refer  
to: TS/26/1/66

Subject: Italian Wireless Communications.

To: Commander Barbara, Office of Comando Supremo.

With reference to ACC letter No. TC/8/1 of 2nd  
January, 1944 on the subject of "Italian Wireless Communications -  
Ciphers and Call Signs", of which you have a copy. Would you  
kindly supply the information as early as possible as the matter  
has now been outstanding for some time.

*W. J. L. Henderson*

W. J. L. Henderson  
Colonel,  
Director, Telecommunications and Posts Sub-Commission.

28.9

HTW/bc

REAR HEADQUARTERS  
ALLIED CONTROL COMMISSION  
APO 394

29th February, 1944

In reply refer  
to: TS/26/1/65

subject: Italian Cipher

To: Chief Signal Officer, HQ. ACME.

With reference to AGC No. TS/26/1/57 of 22nd January,  
1944, subject as above.

Would you kindly say whether this letter and a copy  
of an Italian high-grade cipher have now been received.

*H. J. L.*

V J. L. Henderson  
Colonel,  
Director, Telecommunications and Posts Sub-Commission.

*see 80 for ack*

28.3

0274

HTM/CS

164

REAR HEADQUARTERS  
ALLIED CONTROL COMMISSION  
APO 394

In reply refer  
to: 43/26/1/64

29th February, 1944.

Subject: Italian Radio Communications - Cipher Books and Call  
Signals.

To: Lieut.-Colonel Ducros, Comando Supremo.

With reference to your letter No. 6003/O-Cil of  
6th January, 1944.

Would you please state whether the key books referred  
to are yet available, as the matter has now been outstanding  
for some time.

H 3/2

J. L. Henderson  
Colonel,  
Director, Telecommunications and Posts sub-Commission.

28.7

JLH/tjj

163

REAR HEADQUARTERS  
ALLIED CONTROL COMMISSION  
APO 394

In reply refer  
to: TS/26/1/63

26th February, 1944

Subject: Communications for Italian Government.

To: Political Section, Allied Control Commission.

Reference attached copies of messages.

May I take it that you will inform the Italian  
Government of the answer to their request?

J. L. Henderson  
Colonel,  
Director, Telecommunications and Posts Sub-Commission.

28.6

From: Fatima

No. 2148

To: Freedom

Date: 25 Jan

1. Reference your 10418 of 6 Dec and AG 311-20 SIG-AGM of 20 Dec authorising Italian cipher between Italy and Madrid.

2. Can messages be sent in clear where no secrecy? Example, summary from Madrid of British newspaper contents.

3. New subject. Can progressive file number be sent in clear at beginning of all messages, coded or clear? Numbers to be taken in turn from a single series of figures only.

4. New subject. Can messages be sent via same submarine cable system to Gibraltar hence direct to Lisbon? Addresses ITALDIPL Madrid and ITALDIPL Lisbon already registered.

From: Freedom

No. 51341

To: Fatima

Date. 14 Feb

Reference your 2148 of 25 January.

1. Progressive file number may be used in clear on messages filed by Italian Government.

2. No objection to messages to Lisbon, but restrictions imposed on Madrid circuit applies.

3. No objection to transmission of unclassified clear text messages provided clearance obtained from censorship.

2835

0277

U.S. CONFIDENTIAL Equals British CONFIDENTIAL  
 ALLIED CONTROL COMMISSION INCOMING MESSAGE /msr

26 FEB 1944

SVC/RELAY NO.

M/C NO : 20/25

CLASS: CONFIDENTIAL

REF NO: 51341

PREC : ROUTINE

FILED : FEB 14 1007A

FROM : FREEDOM SIGNED CINC CITE FBSIG

REC'D : FEB 25 2000A

TO : SIGNALS FATIMA

Reurad 2148 Jan 25. Progressive file number may be used in clear on messages filed by Italian Govt. No objection to messages to Lisbon but restrictions imposed on Madrid circuit applies. No objection to transmission of unclassified clear text messages provided clearance obtained from censorship.

## DISTRIBUTION:

|              |      |
|--------------|------|
| 1 - A G      | INFO |
| 1 - D S G    | "    |
| 1 - D C C    | "    |
| 1 - Telecoms | "    |
| 1 - Signals  | "    |

2854

U.S. CONFIDENTIAL Equals British CONFIDENTIAL

0278

- OUTGOING

Telecomms  
TJ3/hft

U.S. CONFIDENTIAL Equals British CONFIDENTIAL

7/1/61  
238

CONFIDENTIAL

ROUTINE

FEB 25 1961

FATIMA

FEB

FREEDOM

NO REPLY YET RECEIVED REFERENCE OUR TWO THREE TWO SIX DASH ONE SIX FEBRUARY  
 ASKING FOR REPEAT OF YOUR FIVE ONE THREE FOUR ONE DASH ONE FOUR FEBRUARY FD  
TO FREEDOM CITE PHISIC FROM FATIMA FROM HENDERSON SIGNED MCFARLANE FD  
 PLEASE EXPEDITE

AUTHENTICATED:

*E. J. ChioCCA*  
 E. J. CHIOCCA  
 CWO, AUS  
 Asst Adj

*Henderson*DISTRIBUTION:

- 1 - AO
- 1 - Telecomms
- 1 - DCC
- 1 - ISG

2833

U.S. CONFIDENTIAL Equals British CONFIDENTIAL

0279

U.S. CONFIDENTIAL Equals U.S. CONFIDENTIAL  
OUTGOING

TJJ/SK

4/16

2326

FEB 16/53

60

CONFIDENTIAL

ROUTINE

FATIMA

FREEDOM

59

YOUR FIVE ONE THREE FOUR ONE DASH ONE FOUR FEBRUARY IS

REFERENCE PD TO FREEDOM CITE FHSIG FROM FATIMA FROM HENDERSON

SIGNED MACFARLANE PD NOT UNDERSTOOD PD PLEASE REPEAT

AUTHENTICATED:

*E. J. Chiocca*  
E. J. CHIOCCA  
CWO, USA  
ASST. ADJ. GEN.

AP

DISTRIBUTION:

- 1 - AG FILE
- 1 - D.S.G.
- 1 - TELECOMMS

see 62  
2882

U.S. CONFIDENTIAL Equals U.S. CONFIDENTIAL

0-280

CONFIDENTIAL Equals British CONFIDENTIAL  
INCOMING

1/14 FEB 1944

17/14

51341

141007A FEB

141330A FEB

CONFIDENTIAL

ROUTINE

FREEDOM SIGNED JHS CITE PMSIG

SIGNALS FATIMA

57

Reference your radio 2143 January 25. Progressive file number may be used in clear on messages filed by Italian Government. No objection to messages to Lisbon but emphasize imposed on by a (?) fixed line G/43 (?) circuit applies. No objection to transmission so far <sup>(as)</sup> classified clear text message <sup>(long concerned)</sup> provided clearance obtained from censorship.

DISTRIBUTION:

See also: - 16  
24

- 1 - AG file
- 1 - D.S.G.
- 1 - American Signals - Action
- 1 - British Signals - Action
- 1 - Dep. Chief Commissioner
- 1 - Telecomms - Action

Rel 60  
62

See: Col. H.   
Col. M.

U.S. CONFIDENTIAL Equals British CONFIDENTIAL

Received 15 Feb. 44.

ALLIED FORCE HEADQUARTERS  
OFFICE OF THE CHIEF SIGNAL OFFICER  
A.P.O. 512, U. S. ARMY

9C4  
LMM/wfd.

24 January 1944.

SUBJECT: Receipt of Documents.

TO : Vice-President, Communications Section, Headquarters Allied  
Control Commission, A.P.O. 394, U. S. Army.

Reference is made to your letter dated 18 January 1944. Receipt is acknowledged of documents mentioned in paragraph 3.

For the Chief Signal Officer

  
R. E. SCHUKRAFT,  
Lt Col, Signal Corps.

U. S. GOVT. PLK. 12  
 Equals British CONFIDENTIAL

CONFIDENTIAL

ROUTINE

PATIMA FROM STONE BEGINS MACFARLANE

PREVIOUS FOR FIELD

OUTGOING

ADD/1000

10/85

2148

251615A

JAN

REFERENCE YOUR ONE ZERO FOUR ONE NIGHT OF SIXTH DECEMBER AND AG THREE ONE ONE DASH  
 TWO ZERO SIX DASH AG OF TWENTYTH DECEMBER AUTHORIZING ITALIAN CIPHER BETWEEN ITALY  
 AND MADRID <sup>PD</sup> ~~TO PREVIOUS FOR FIELD FROM PATIMA FROM STONE BEGINS MACFARLANE PD CAN~~  
 MESSAGES BE SENT IN CLEAR WHERE NO SECURITY QUERY EXCEPT SUBJ BY FROM MADRID OF  
 BRITISH NEWSPAPER CONTAINS PD NEW SUBJECT CAN PROGRESSIVE FIVE NUMBER BE SENT IN  
 CLEAR AT BEGINNING OF ALL MESSAGES CODED ON CLEAR QUERY NUMBERS TO BE TAKEN IN  
 TURN FROM A SINGLE SERIES OF FIGURES ONLY PD NEW SUBJECT CAN MESSAGES BE SENT VIA  
 SOME SUMMARISE CABLE SYSTEM TO CIPHER IN BEING DIRECT TO LONDON QUERY ADDRESSES  
 ITALIAN, MADRID AND ITALIAN. LONDON ALREADY REGISTERED

AUTHENTICATED:

ROBERT E. DOE  
 Major AGD  
 Secretary of the Commission

DISTRIBUTION:

- 2 - AG
- 1 - Diary
- 1 - Comm Sect

U. S. GOVT. PLK. 12  
 Equals British CONFIDENTIAL

28 3  
 all 59

0283

U. S. SECRET  
Equals British SECRET  
HEADQUARTERS ALLIED CONTROL COMMISSION  
APO 394

HTWA/hd

(56A)

In reply refer to:  
TS/26/1/57

22 January 1944

Subject: Italian Cipher

To: CSO, HQ ACOMF

1. At the last meeting of the Telecommunications Board (Italy), the CSO asked for copies of the Italian cipher authorized for use by AFHQ, and the correspondence relating thereto.

2. Enclosed is a copy of the cipher, an extract from a letter written by Colonel Henderson and referred to in one of the cables, and a copy of each of three cables.

3. The cipher will shortly be in use for diplomatic messages sent via the Italy-Malta-Gibraltar submarine cable system to Madrid. Messages will be decoded for checking purposes in the ACC cipher room.

4. Kindly acknowledge receipt of the cipher.

*H. L. Henderson*

for  
Colonel J. L. Henderson  
Telecommunications & Posts Sub-Commission

Encls,  
As in para 2 above

*see 80 for ack.*

*see 628.8  
68  
82*

U. S. SECRET  
Equals British SECRET

MOST SECRET

ALLIED CONTROL COMMISSION  
CIPHER FOR USE BY ITALIAN GOVERNMENT  
(AMENDED IMT2 (BOOK METHOD))

1.- The receiver is furnished with a magazine or other book and with a personal number composed of 8 figures selected at random (grouped in 2 numbers of 4 figures each). Two personal numbers will be employed daily; the first one from 00.00 a.m. to twelve; the second one from 00.01 p.m. to midnight.

2. - OPERATIONS FOR CIPHERING. Key phrase. To cipher a message it is necessary in the first place to choose a key phrase from the book. This phrase is formed of the first words of a line in one of the first 99 pages, and the final letter of the phrase is the final letter of the word containing the fifteenth letter.

Example: Page 37, line 5, of a previously chosen book reads, "COSI' TAGENDO CAMMINAVA VERBO..." the third word "CAMMINAVA" contains the fifteenth letter of the phrase, and therefore the last "A" is the final letter of the chosen phrase.

3.- The letters of the key phrase are then numbered in their alphabetical order. When a letter is contained more than once in the phrase, the numbering is continued from left to right, as in the case of "A" and "E" below. (This is not the same phrase as in para 2 above)

|   |   |   |    |    |   |    |   |    |   |    |    |   |    |   |    |   |
|---|---|---|----|----|---|----|---|----|---|----|----|---|----|---|----|---|
| C | H | E | S  | T  | A | V  | A | P  | E | R  | S  | A | L  | I | R  | E |
| 4 | 8 | 5 | 14 | 16 | 1 | 17 | 2 | 11 | 6 | 12 | 15 | 3 | 10 | 9 | 13 | 7 |

The message will then be coded as shown later.

4.- Messages must, for safety, be composed of no less than 150 letters and no more than 400 letters in length. Common phrases must be avoided. The end of the messages will be indicated with a phrase as:

"Arrivederci" ("so long"), "Ciao" ("goodbye"), etc.

Before proceeding to cipher the message a group of at least 5 letters selected at random should be placed at the beginning and at the end of the message. The end group should contain letters different from those of the initial group, letters seldom employed should not be used. These groups need not contain the numbers of the letters necessary to make the total of the letters in the final message be a multiple of 5. Care should be taken that the letters are used generally at the frequencies as they normally occur in the language.

5.- MESSAGE FOR CIPHERING. "LEBRINAT". The system in use resembles the British Playfair Method but utilises a numerical code instead of an alphabetical transposition step the key is obtained from a book, the phrase used being indicated by a key figure which details the book page and line, HBSRVT".

- The safety groups will be noticed in the message; they will therefore be inserted before beginning the coding operations.

The message is transposed twice as shown below.

#### 6. 1st Table

The message with its safety letters is written horizontally under the figures of the key phrase as para 3.

|    |   |   |   |    |    |   |    |   |    |   |    |    |   |    |   |    |   |
|----|---|---|---|----|----|---|----|---|----|---|----|----|---|----|---|----|---|
|    | C | H | E | S  | T  | A | V  | A | P  | E | R  | S  | A | L  | I | R  | E |
|    | 4 | 8 | 5 | 14 | 16 | 1 | 17 | 2 | 11 | 6 | 12 | 15 | 3 | 10 | 9 | 13 | 7 |
| 1  | E | K | B | R  | H  | N | A  | T | T  | H | E  | S  | Y | S  | T | E  | M |
| 2  | I | N | U | S  | E  | R | E  | S | E  | M | B  | I  | E | S  | T | H  | E |
| 3  | B | R | I | T  | I  | S | H  | P | L  | A | Y  | F  | A | I  | R | M  | E |
| 4  | T | H | O | D  | B  | U | T  | U | T  | I | L  | I  | S | E  | S | A  | N |
| 5  | U | M | E | R  | I  | O | A  | L | C  | O | D  | E  | I | N  | S | T  | E |
| 6  | A | D | O | F  | A  | N | A  | L | P  | H | A  | B  | E | T  | I | O  | A |
| 7  | L | T | R | A  | N  | S | P  | O | S  | I | T  | I  | O | N  | S | T  | O |
| 8  | P | T | H | E  | K  | E | Y  | I | S  | O | B  | T  | A | I  | N | E  | D |
| 9  | F | R | O | M  | A  | B | O  | O | K  | T | H  | E  | P | H  | R | A  | S |
| 10 | E | U | S | E  | D  | B | E  | I | N  | G | I  | N  | D | I  | O | A  | T |
| 11 | E | D | B | Y  | A  | K | E  | Y | F  | I | G  | U  | R | E  | W | H  | I |
| 12 | C | H | D | E  | T  | A | I  | L | S  | T | H  | E  | B | O  | O | K  | P |
| 13 | A | E | E | A  | N  | D | L  | I | N  | E | H  | B  | S | R  | V | T  | - |

Completely filled rectangles will not be used for either table i. e. empty spaces should exist at the end of the last line.

#### 7. 2nd Table

A second table is now made up using a new key phrase from the book as shown below. The key phrase this time is found to be (say):

"Il libro che sard usato".

|   |    |    |   |   |    |    |   |   |   |    |   |    |   |    |    |   |    |    |
|---|----|----|---|---|----|----|---|---|---|----|---|----|---|----|----|---|----|----|
| I | L  | L  | I | B | R  | O  | O | H | E | S  | A | R  | A | U  | S  | A | T  | O  |
| 8 | 10 | 11 | 9 | 4 | 14 | 12 | 5 | 7 | 6 | 16 | 1 | 15 | 2 | 19 | 17 | 3 | 18 | 13 |
| N | R  | S  | U | C | N  | S  | M | B | B | K  | A | D  | T | S  | P  | U | L  | L  |
| A | I  | O  | I | Y | L  | I  | Y | E | A | S  | I | E  | O | A  | P  | D | R  | B  |
| S | E  | I  | B | T | U  | A  | L | P | F | M  | E | C  | A | B  | U  | I | O  | E  |
| O | R  | H  | O | S | B  | D  | E | H | M | A  | I | O  | H | I  | O  | T | G  | I  |
| T | E  | M  | E | E | N  | E  | A | O | D | S  | T | I  | P | K  | N  | R | H  | M  |
| D | T  | T  | R | U | D  | H  | G | T | T | R  | S | S  | I | S  | N  | R | C  | W  |
| O | V  | S  | S | I | E  | N  | T | M | I | H  | I | E  | O | R  | T  | E | L  | T  |
| C | P  | S  | S | K | N  | F  | S | M | E | B  | Y | L  | D | A  | T  | B | H  | I  |
| G | H  | H  | E | H | M  | A  | T | O | T | E  | A | A  | H | K  | T  | R | S  | T  |
| D | R  | F  | A | E | M  | E  | Y | E | A | S  | L | Y  | I | K  | B  | I | T  | E  |
| N | U  | E  | B | H | E  | I  | B | I | A | N  | K | A  | D | A  | T  | N | A  | E  |
| H | T  | A  | A | P | Y  | O  | E | E | I | L  | - | -  | - | -  | -  | - | -  | -  |

The letters of vertical column No. 1 of the first table are written horizontally along the top line of the second table continuing if necessary along the second line; the letters of column No. 2 follow, then column No. 3 etc.

8. FINAL TRANSPOSITION

The final transposition is obtained by reading downwards the column of the second table in the order in which they are numbered at the top, and by writing the letters in group of five, ready for transmission.

9. GROUP INDICATOR

28.5

The message must be numbered with two group indicators each of four figures. Each indicator is calculated as follows: A number is formed of which;

- (a) The first two figures represent the number of page from which the key phrase for transposition table No. 1 has been taken.
- (b) The two last figures represent the number of line from which the key phrase has been taken.

To this number of 4 figures should be added, without carrying forward, the first 4 figures of the personal number. The final number is group indicator No. 1

Similarly group indicator number 2 is calculated starting with the page and line of the phrase used for the second transposition table, and adding the other 4 figures of the personal number:

Example: Page 41, line 4..... 4104  
 Plus personal number..... 5248  
 Group indicator 9542

These group indicators must be placed at the beginning of the ciphered message. At the end of the message the total number of letters in the message should be given followed by a repetition of the group indicators.

#### 10. GROUP INDICATING TIME AND DATE

It is composed of 8 figures of which: the first 4 figures indicate the hour and minutes; the next 2 indicate the day; the last 2 the month. This group must be placed at the end of the coded message (after the two group indicators) and has the function of indicating the date and time in which the message has been coded.

Through this group are obtained the personal number and, consequently, the two keys employed for the transposition of the message.

Example: a message coded at 9.30 of December the 8th will have the following group indicating t and d: 09300812

#### 11. CODED MESSAGE

From what has been said above, it will be seen that the coded message for transmission is as follows, assuming group indicator figures of 6439 and 2751

| 6439  | 2751  | (Keys) |        |       |       |       |          |       |       |   |
|-------|-------|--------|--------|-------|-------|-------|----------|-------|-------|---|
| ALBIT | SIYAL | KFOAH  | PIODH  | IDUDI | TRREB | RINDY | TRUUI    | KHEHP | EYLEA |   |
| OTSTY | HEBAF | MDTIE  | TAAIB  | KPHOT | NNOLI | ENOSO | IDOCG    | DNEUI | SOERS |   |
| SEABA | RIRRE | TVEHR  | UTSOI  | HETES | HREAS | IALEH | MFARI    | QIBEI | EMTIT |   |
| REHNU | BNHEN | MEYD   | ECOLIS | ELAFI | KREAS | RHRES | NIPU     | ONNET | 288   | 4 |
| OGHCL | HOTAS | ABIKS  | RAKLA  | 220   | 6439  | 2751  | 09300812 |       |       |   |

A strict record must be kept of the group indicators used and none of them must be used twice. The key phrase should be varied in length as much as possible.

#### 12. FURTHER POINTS OF IMPORTANCE.

- (a) short messages will be padded to make up the minimum length. Padding will consist of random words.

- (b) Long messages will be cut into parts with lengths between limits given.
- (c) No effort must be made to make the original message an exact multiple of five letters.
- (d) Stereotyped phraseology must be carefully avoided.
- (e) Books used for keys will be changed at frequent intervals.

#### DECODING

#### 13. DECODING OPERATIONS.

(a) Reverse the operations. The second phrase is reconstructed by subtracting, without carrying forward, the last 4 figures of the personal number from group indicator No. 2 and using the resulting group of 4 figures to find the key phrase from the book. The letters of the key phrase are then numbered as for coding. The size of the required table No. 2 is obtained by dividing the number of letters composing the message by the number of letters of key phrase No. 2.

Using the figures of para 7 above, there are 220 letters while the key phrase has 19 letters.

$$\frac{220}{19} = 11 \text{ and } 11 \text{ over}$$

This means that in the table there are 11 full horizontal lines each of 19 letters, and a 12th line of 11 letters, the last 8 places being blank.

(b) The letters of the coded message are then written in the table, commencing to write vertically from column 1 and going on with column 2 etc.

(c) The key phrase No. 1 is then deduced and numbered. The size of the first table is obtained by dividing the number of letters of the coded message by the number of letters of key phrase No. 1 as shown above (letter a).

The letters from Table No. 2 are then transferred to table No. 1 reading horizontally along the lines of table 2 and writing vertically down the columns of table 1, following the order of figures written at the head of each column.

(d) The original message is obtained reading horizontally along lines of this table, excluding the safety letters placed at the beginning and end of the message.

28.3

U. S. SECRET  
Equals British SECRET

INCOMING

21 DEC 1943 60

/asr

27/20

16645

DEC 201358A

DEC 201643A

SECRET

ROUTINE

FREEDOM AFHQ SIGNED CINC CITE FHSIG

FATIMA FOR ACTION FOR SIGNALS

Length of individual messages or parts authorized as requested  
your 1530 December 18. These limits 130 to 400 letters.

DISTRIBUTION:

- 2 - AG
- 1 - Diary
- 1 - Capt. Stone INFO

U. S. SECRET  
Equals British SECRET

28.2

copy

U. S. SECRET  
Equals British SECRET

INCOMING

/mip

SECRET

19/11

13404

ROUTINE

DEC 131700A

FREEDOM SIGNED CINC CITE FHSIG REUR 1376 Dec 10

DEC 140640A

FATIMA FOR SIGNALS

Confirmed that two groups of four numbers are required for keys. Message lengths given in our message 10418 of December 6th in error should read 100 - 250 letters. Confirmed that no effort should be made to make message lengths an exact multiple of five letters. Hence last textual group of message or parts of a long message may consist of from one to five letters.

DISTRIBUTION:

- 2 - AG
- 1 - Diary
- 1 - Capt Stone INFO
- 1 - Colonel Henderson INFO
- 1 - General Taylor INFO

U. S. SECRET  
Equals British SECRET

2821

0291

U. S. SECRET  
Equals British SECRET

INCOMING

/drr

13/07

10418

Dec 061941A

Dec 070916A

SECRET

ROUTINE

FREEDOM

FATIMA

Double transposition cipher book method described in letter from Col. Henderson dated 6 October as modified below is authorized for use by Italians. FOR SIGNALS FATIMA SIGNED CINC CITE FBSIG. Under conditions given. Different keys will be used for each transposition requiring two four (24) number groups each consisting of a page and line number, 1 for each transposition. Enciphering additive for indicators will consist of 8 numbers selected at random and will be held by all holders of each system. Additive will change twice daily. The book used for keys will when possible be a new novel. Message lengths will be kept between limits of 100 and 250 groups of five letters. Short messages will be padded to make up the minimum length. Padding will consist of random words. Long messages will be cut into parts with lengths between limits given. Completely filled rectangles will not be used for either transposition. No effort will be made to make messages an exact multiple of five. Stereotyped phraseology will be carefully avoided. Books used for keys will be changed at frequent intervals. 1 copy of all keys and key books used will be furnished the US Cipher Team at Fatima. 2 copies of all keys and key books used will be furnished the Signal Intelligence Service AFHQ with a list of all holders of each system.

DISTRIBUTION:

- 2 - AG Files
- 1 - Diary
- 1 - Col. Henderson - ACTION
- 1 - Capt. Stone - INFORMATION
- 1 - General Taylor - INFORMATION

U. S. SECRET  
Equals British SECRET

0292

~~SECRET~~ ~~SECRET~~  
ALLIED FORCE HEADQUARTERS  
A P O 512

~~SECRET~~  
U. S. SECRET  
6 October 1943  
56E

To: Chief Signal Officer, Allied Force Headquarters  
From: - Colonel J. L. Henderson, Allied Military Mission, Italy.  
Subject: - Italian cipher

Reference your message No. 1702 timed 01159A, and further to my message No. 254 timed 032219A.

1. General. There is a marked difference between the three Italian services, the centralisation of the Army and Air Force control at Rome having resulted in a breakdown of their cipher systems compared with the Navy.

2. Army. The Army system of high-grade cipher has completely broken down. They are not using machine or book cipher, the only cipher in use being a simple anagrammatic system which they themselves estimate as only offering two hour's security. Full details are attached for what they are worth at Appendix 'A'. They have distributed the necessary books (ordinary novels) to the only three places to which they permit transmissions, LEROS, CORICA and SARDINIA, on or after the 10th September and took it into use on 20th September, but lack of these books is no handicap to a decipherer. Transmission to LEROS is now prohibited by the Allied Forces. Other transmissions by the Italian Army are forbidden. The only messages sent on the permitted circuits are stated to be situation reports and unimportant administrative messages; at this and they are authorised for transmission by the Supreme Command only. Lieut.-Colonel DUCROS is in charge of the cipher branch; he is late chief of the Military cipher office in Rome.

3. Air Force. The Air Force system has equally collapsed, and they are using no cipher. They state that only a few quite unimportant messages are being sent and these are transmitted in clear. They are approved for transmission here by the Air Supreme Command, and available for inspection by the Royal Air Force staff. At present no steps are being taken to produce new ciphers. Major MAGGINI is in charge of the cipher branch.

4. Navy. The Navy considers that their cipher security is now practically back to normal. Between main bases they use the HAGELIN cipher machine; these exist at TARANTO, BRINDISI, MADDELENA, CAGLIARI, AVAGGIO and LEROS. New keys were distributed to all these places on the 22nd September; actually communication is prohibited to the 2 last places. The machine appears to afford a corresponding degree of security to our own.

U. S. SECRET  
~~SECRET~~

SECRET  
 Equals British SECRET  
 HEADQUARTERS ALLIED CONTROL COMMISSION  
 APO 394

HTM/hd

In reply refer to:  
 TC/8/1

18 January 1944

Subject: Italian Cipher

To: CDO, AFHQ

1. With reference to message number 10418, subject as above, of 6 December 1943, two copies of the Italian cipher concerned, suitably modified, are enclosed. The underlining of parts of the cipher are of no significance.

2. This cipher will be used on the Italy-Malta-Gibraltar submarine cable link to Madrid. Lieut Colonel Ducross, Chief of the Cipher Section, Comando Supremo, holds copies. Three copies have been sent by Italian Government courier to Madrid, where they will be kept in the Ambassador's safe.

3. The key books and personal numbers have been sent ~~today~~ separately by registered courier service, in a parcel containing the following:

- 2 sets of 4 key books each--sets being numbered 7 and 8. The period of use of each book is stated on the wrapping.
- 2 sets of envelopes, each set containing 22 envelopes, each envelope containing a list of personal numbers--sets are numbered 7 and 8.
- 2 envelopes numbered 7 and 8 each containing instructions on the period of use of each personal number
- 2 Italian copies of the cipher numbers 7 and 8. The Italian copies are being checked against the English.

Would you kindly acknowledge receipt of the above literature.

4. You may wish to know that the Italian courier intends to ask the Signal Officer at Gibraltar whether telegrams from Madrid marked with the telegraphic address only will be routed automatically to Gibraltar by the Spanish telegraph offices, or whether a reference must be made in the address to ensure that the Spanish authorities know the routing (e.g. "via Gibraltar").

ELLEN 28.1.44  
 Captain, USNR  
 Vice-President  
 Communications Section

1 Incl: Italian cipher (2 copies)

SECRET  
 Equals British SECRET

U. S. SECRET

Equivalent British SECRET

HQ QUARTERS ALLIED CONTROL COMMISSION  
APC 394

HTSM/nd

18 January 1944

In reply refer to:  
TC/3/1

Subject: Italian Cipher

To: GSC, AMHQ

1. With reference to message number 10418, subject as above, of 6 December 1943, two copies of the Italian cipher concerned, suitably modified, are enclosed. The underlining of parts of the cipher are of no significance.

2. This cipher will be used on the Italy-Malta-Gibraltar submarine cable link to Madrid. Lieut Colonel Ducross, Chief of the Cipher Section, Comando Supremo, holds copies. Three copies have been sent by Italian Government courier to Madrid, where they will be kept in the Ambassador's safe.

3. The key books and personal numbers have been sent today separately by registered courier service, in a parcel containing the following:

- 2 sets of 4 key books each--sets being numbered 7 and 8. The period of use of each book is stated on the wrapping.
- 2 sets of envelopes, each set containing 22 envelopes, each envelope containing a list of personal numbers--sets are numbered 7 and 8.
- 2 envelopes numbered 7 and 8 each containing instructions on the period of use of each personal number
- 2 Italian copies of the cipher numbers 7 and 8. The Italian copies are being checked against the English.

Would you kindly acknowledge receipt of the above literature.

4. You may wish to know that the Italian courier intends to ask the Signal Officer at Gibraltar whether telegrams from Madrid marked with the telegraphic address only will be routed automatically to Gibraltar by the Spanish telegraph offices, or whether a reference must be made in the address to ensure that the Spanish authorities know the routing (e.g. "via Gibraltar").

*This letter envelopes were sent by Registered Courier*

1 Incl: Italian cipher (2 copies)

ELLENY E. STONE  
Capt. USAF  
Vice-President  
Communications Section

U. S. SECRET  
Equivalent British SECRET

0295

JIE/and

In reply refer to:  
TS/8/1

15 January 1944

50

SUBJECT: Italian Cipherr.

TO : Major R. J. C. Cave, Adv. G2 Section, A.P.H.Q.

Handed to

at Hord

On 1/1/44

H. J. H.

1/1

1. You sent a letter on 22 December 1943 to Colonel Henderson of ACG, regarding Italian cipherr. This letter was redirected to his new address, and he has accordingly returned it to this Headquarters for action, with copies of several other letters.

2. It is not absolutely clear from those letters which data is still required. Two copies of correspondence with the Italian Government are enclosed, and you will see that some information, along with code books, etc., is still awaited.

3. Perhaps you would say whether the demands in ACG letter of 2 January No. TS/8/1 cover your requirements.

For the Deputy President, Allied Control Commission:

*H. J. H.*

J. D. HENDERSON  
Colonel  
Telecommunications & Posts  
Sub-Commission

File copy

~~Please return to me to await receipt  
of further information~~

*H. J. H.*  
1571

28.6

U. S. SECRET  
 Equals British SECRET  
 HEADQUARTERS ALLIED CONTROL COMMISSION  
 APO 394

SECRET  
 Auth: Dep Pres, ACC  
 Initials:  
 Date: 2 Jan 44  
 HTWA/hd

URGENT

2 January 1944

In reply  
 refer to:

Subject: Italian Wireless Communications- Ciphers and Call Signs.

To: Lt Col Ducros, Cipher Section, Comando Supremo.

*Delivered by hand  
 to Lt Miller & Lt  
 Ducros 4 Jan 44*

1. The following information is required urgently by Allied Force Headquarters. Should you be in doubt as to what is required, perhaps you would be good enough to call at the ACC Headquarters and discuss the matter with Lt Col H.T.W. Miller (Room 20).

a. A wireless network has been operating in Sardinia and Corsica using 3-letter call signs from one to the other. Kindly give the following particulars:

- (1) Location of station.
- (2) The user.
- (3) Nature of the messages sent out by the network.
- (4) List of call signs used and to whom assigned.
- (5) Details of cipher in use, including any alterations made since the Armistice.

Two copies of any books, reciphering pads, cipher instructions applicable, or similar documents, should be supplied to this Headquarters.

Two copies of any call signs books or tables in use anywhere by Italian Authorities should also be supplied.

2. The following information regarding a wireless circuit between Italy, Corsica, and Sardinia, was required by Allied Force Headquarters some time ago, and it is not certain whether the matter was referred to you.

- a. What additives were in use on traffic passing between:
  - (1) Italy and Corsica
  - (2) Corsica and Sardinia
 from mid-September to present date
- b. The network referred to above used figure 2 letter naval call signs. What is the exact method by which additives are allotted. Are they allotted to each station or to each link.
- c. It is understood that multi-addressed messages prefixed CIR are in use somewhere. On which network are they passed?

*H. J. Henderson*  
 for Colonel J. L. Henderson  
 Telecommunications & Posts  
 Sub-Commission

U. S. SECRET  
 Equals British SECRET

G. H. G.

Office "I" Sezione organizzazione

No. 60003/O-G11 di prot.

P.M. 151 January 6, 1944

SUBJECT: Italian radio communication - cipher books and call signals.

4 Enclosures

TO The Allied Control Commission  
Telecommunications and Posts Sub-Commission

In reply to your letter of January 2nd.

In reply to the different questions raised, we communicate the following:

1. a. An operational network was functioning in Sardinia and Corsica during the operations against the German forces and the successive movements. The Network was organized through the FFAA of Sardinia to deal with the operational exigencies.

- (1) Dispositions of the stations ) arguments of competency
- (2) Units that make use of them ) by the office of telecom-
- (4) List of signals ) munications (Captain of the  
Frigate Barbara)
- (3) Nature of messages - it is not set down in the particulars, but without doubt, it refers largely to normal and operational exigencies of the troops employed against the German forces.
- (5) Cipher-book in use as soon as possible after the Armistice the cipher system of "Del Libro" (of the book) was put into effect. The book used was "I combattenti Italiani nella guerra contro la Russia" (Italian combatants in the war against Russia). It remained in effect from September 25 to November 30 for all the units in Sardinia, first for the territorial units and then for the smaller autonomous units. The numbers adopted appear on the list of enclosure No. 1. From 1/12 the novel "Pintus - Le sposero io per te" (Pintus - I will marry her for you) Edizioni Nord Cagliari, for cipher communications between the military command of Sardinia and the dependent C.O. The numbers in effect from 1 to 31/12 appear on the list of enclosure No. 2. The copies to be given to you have been sent for, and when they arrive, they will be handed over to you.

\* FFAA - Armed Forces.

\*\* Supplied by Col. Hemiton to AFHQ on 6 Oct. 1943.

## 2. Radio circuit between Italy, Corsica and Sardinia.

### a. For the Army:

- between Italy and Corsica: the book used was "<sup>ancora di più</sup>L'ancora <sup>di più</sup>diventa" (The Anchor <sup>di più</sup>becomes).

<sup>Alitalia</sup>The numbers appear on the list of enclosure No. 3. (colloquialism:) <sup>with the</sup>with Corsica ceased with the <sup>recovery</sup>recovery of the Italian HQ <sup>for</sup>for Corsica.

- between Italy and Sardinia: the book used was "La cavalcata delle valchirie"; the numbers appear on the list of enclosure No. 4.

Copies of these books will also be given to you as soon as it is possible to procure them. It seems, however, that the editions are sold out.

We point out that from November 1, 1943 for communications between Italy and Corsica and between Italy and Sardinia, the following variants to the instructions for ciphering were employed:

1. The key phrase was chosen from one of the pages of the book, from pp 101 through pp 199, applying it, however, as if the numbering were from page 1 to 99;

2. the minimum number of letters established for the forming of key phrases was increased to 18. This last arrangement was communicated by the headquarters of the FEAA of Sardinia to units dependent to it.

b. This office is not in a position to give information on the network because the latter belongs to the competency of the office of telecommunications of G.H.Q. (Captain of Frigate <sup>address</sup>Barbara). The numbers indicated have been assigned: <sup>to each link</sup>for communications between G.H.Q. of the Royal Army and the H.Q. of FEAA (Armed Forces) of Sardinia. ~~to every network~~ For communication in the interior of Sardinia, <sup>to each correspondent</sup>to each correspondent.

c. The prefix Cir (abbreviation of <sup>multi-addressed</sup>circulate) was assigned to the 7th Army and to the Army Corps (of the 7th Army) for <sup>possible</sup>cipher communications ~~for future circulation~~. The cipher system in use, as has already been brought to your attention, is that of "the book" for the above headquarters as well.

For all new communications for the Army, the system given to Ten. Col. Ducros by Lt. Col. H.T.W. Millar will be substituted, as in the agreement reached.

<sup>additive</sup>The numbers as indicated will be assigned to every correspondent. In the ciphering that of the addressee will be adopted.

Note. Covering the reasons of competency of the office of telecommunications of G.H.Q. (Captain of Frigate Barbara) we have written to this office so that they may directly furnish you the information which you had requested from us.

Commanding Officer  
Colonel P. Agriloglio  
(Sig)

## TRANSLATION

TO: G.H.Q. - Office "Ia"  
Organizational Section  
Sede

A receipt for paper 60003/0. Cif. of Jan 6, 1944 with four  
documents attached.

TRANSLATION

G. H. Q.

Office I. Organizational Section

Enclosure No. 1 of paper 60003/0

Cif. of 6 Jan 1944.

List of personal numbers assigned by the Hq of the FF.AA. of  
Sardinia to dependent units on 25 September 1943.

Book: "I combattenti italiani nella guerra contro la Russia"  
(Italian combatants in the war against Russia)

2811

S E C R E T

COMANDO SUPREMO  
Office I - Organization SectionEnclosure No. 1 to Letter 60003/0-Cif  
of 6 January 1944LIST OF PERSONAL NUMBERS ASSIGNED FROM THE HQ SARDINIA FORCES TO ITS  
UNITS 25 September 1943Book: "I combattenti italiani nella guerra contro la Russia".-  
(Italian combatants in the war against Russia)

|                                                          | <u>No. Personale</u> |
|----------------------------------------------------------|----------------------|
| Comando FF.AA. Sardegna                                  | 1545                 |
| Comando XIII Corpo d'armata                              | 1827                 |
| Comando XXX Corpo d'Armata                               | 1938                 |
| Comando Territoriale FF.AA. Sardegna                     | 1247                 |
| Comando R. Aeronautica                                   | 2193                 |
| Comando Militare Marittimo La Maddalena                  | 2463                 |
| Comando Divisione Sabauda (per uso proprio)              | 2219                 |
| Comando Divisione Sabauda                                | 2957                 |
| " " "                                                    | 2035                 |
| " " "                                                    | 1672                 |
| " " "                                                    | 1549                 |
| " " "                                                    | 1391                 |
| " " "                                                    | 2301                 |
| " " "                                                    | 3243                 |
| " " "                                                    | 3678                 |
| Comando Divisione Calabria (per uso proprio)             | 3521                 |
| " " "                                                    | 3164                 |
| " " "                                                    | 3498                 |
| " " "                                                    | 3857                 |
| " " "                                                    | 3902                 |
| " " "                                                    | 4198                 |
| Comando 203 Divisione Costiera                           | 4675                 |
| Comando 204 Divisione Costiera (uso proprio)             | 4281                 |
| Comando 204 Divisione Costiera                           | 4372                 |
| Comando 205 Divisione Costiera (uso proprio)             | 4443                 |
| Comando 205 Divisione Costiera                           | 4556                 |
| Comando Divisione Bari                                   | 7301                 |
| " " Nembo                                                | 7098                 |
| Comando IV Brigata Costiera                              | 4764                 |
| Comando 33 Brigata Costiera                              | 7950                 |
| Comando Raggruppamento Motocorazzato                     | 4317                 |
| Comando Artiglierie FF.AA. Sardegna                      | 4929                 |
| Comando XIII Reggr. Art. di Corpo d'Armata (uso proprio) | 5019                 |
| Comando XIII Reggr. Art. di Corpo d'Armata               | 5988                 |
| Comando 236 Regt. Ftr.                                   | 5174                 |
| Comando 32 Rgt Ftr. Carrista                             | 5345                 |
| Comando 19 Rgt. Costiero                                 | 5726                 |

- 2 -

|                                            | No. personale |
|--------------------------------------------|---------------|
| Comando Militare Marittimo Cagliari        | 5432          |
| Comando XIII Rgt. Autieri                  | 5251          |
| Comando XIV Autoreaggruppamento            | 5663          |
| Direzione Sanita FF.AA. Sardegna           | 5090          |
| Direzione Commissariato FF.AA. Sardegna    | 5807          |
| Direzione 13 Parco Automobilistico         | 6148          |
| Comando 1 Btg. Canoni da 47/32             | 6029          |
| Comando XIII Btg. Mitraglieri              | 6452          |
| Comando 213 Btg. Mitraglieri               | 6384          |
| Comando III Gruppo Squadroni               | 6961          |
| Comando XIII Gruppo Artiglieria Contraerei | 6593          |
| Comando XII Autogruppo Pesante             | 6205          |
| Comando XIII Autogruppo Pesante            | 6610          |
| Comando 59 Autogruppo Pesante              | 6736          |
| Direzione Artiglieria FF.AA. Sardegna      | 6877          |
| Comando 69 Compagnia Telegrafisti          | 7310          |
| Comando 95 Compagnia Telegrafisti          | 7139          |
| Comando 99 Compagnia Telegrafisti          | 7245          |
| Comando 30 Sezione Marconisti              | 7467          |
| Comando 13 Sezione Marconisti              | 7524          |
| Comando 32 Compagnia Marconisti            | 7672          |

2829

## TRANSLATION

G. H. Q.

Office I. Organizational Sec.

Enclosure No. 2 to paper

60003/0-cif. of 6 Jan 44.

List of personal numbers assigned by the HQ of the FF AA of Sardinia to dependent units on 1 December 1943 for ciphering with the novel "Pintus". "La Sposero' Io per te. 'I will marry her for you'".

2808

COMANDO SUPREMO  
Office I - Organization SectionS E C R E TEnclosure No. 2 to letter 60003/O-Cif  
of 6 January 1944LIST OF PERSONAL NUMBERS ASSIGNED FROM HQ SARDINIA FORCES TO ITS UNITS  
ON 1 DECEMBER 1943 FOR CIPHERING WITH THE NOVEL " PINTUS--I WILL MARRY  
HER FOR YOU"

| COMANDI AI QUALI IL CIFRARIO<br>E DISTRIBUITO | Numero personale valevole dal |                  |                  |
|-----------------------------------------------|-------------------------------|------------------|------------------|
|                                               | 1 al 10                       | 11 al 20         | 21 al 31         |
|                                               | dicember<br>1943              | dicembre<br>1943 | dicembre<br>1943 |
| Com.Militare della Sardegna                   | 1240                          | 4520             | 3009             |
| Com.VII Corpo d'Armata                        | 1649                          | 9780             | 4170             |
| Com.Divisione "Calabria"                      | 7214                          | 6503             | 1005             |
| Com.Divisione "Cremona"                       | 2274                          | 1256             | 8150             |
| Com.Divisione "Friuli"                        | 6257                          | 5257             | 5448             |
| Com. 204 Div Costiera                         | 3248                          | 8618             | 0534             |
| Com. 225 Div. Costiera                        | 8083                          | 3929             | 7084             |
| Com. 226 Div. Costiera                        | 0932                          | 9375             | 2586             |
| Com. IV Brigata Costiera                      | 4276                          | 2719             | 4432             |
| Com.Raggrupp.to Granatieri                    | 6312                          | 5284             | 3698             |
| Com.XIII Corpo d'Armata                       | 9054                          | 0718             | 2383             |
| Com. Divisione "Bari"                         | 5657                          | 1458             | 1722             |
| Com. Divisione "Nembo"                        | 2856                          | 4973             | 8800             |
| Com.Divisione "Sabauda"                       | 8574                          | 6748             | 9047             |
| Com.203 Divisione Costiera                    | 2364                          | 0069             | 0192             |
| Com.205 Divisione Costiera                    | 6525                          | 7993             | 4782             |
| Com.XXXIII Brig.Costiera                      | 8261                          | 4479             | 6067             |
| Com. Raggrupp.to Motocoraz.                   | 3397                          | 1944             | 1199             |

2857

## TRANSLATION

G. H. Q.

Office I. Organizational Section

Enclosure No 3 to paper 60003/o-Gil  
of 6 January 1944.

Book used: "L'ancora divelta"

A list of personal numbers assigned for cipher communications  
between Italy and Corsica.

|           |                |      |
|-----------|----------------|------|
| from 12/9 | to 31/10/1943. | 5245 |
| " 1       | " 10/11/1943.  | 2473 |
| " 11      | " 20/11/1943.  | 4691 |
| " 21      | " 30/11/1943.  | 9502 |
| " 1       | " 10/12/1943.  | 9173 |
| " 11      | " 20/12/1943.  | 5491 |
| " 21      | " 31/12/1943.  | 3264 |

0304

TRANSLATION

G. H. Q.

Office I. Organizational Section

Enclosure No. 4 of paper 60003/O-cip.  
of January 6, 1944.

Book used: "La Cavalcata delle Walchirie".  
List of personal numbers assigned for cipher  
communications between Italy and Sardinia.

|      |      |    |            |           |       |
|------|------|----|------------|-----------|-------|
| From | 12/9 | to | 31/10/1942 | - - - - - | -1369 |
| "    | 1    | "  | 10/11/1943 | - - - - - | -4250 |
| "    | 11   | "  | 20/11/1943 | - - - - - | -7032 |
| "    | 21   | "  | 30/11/1943 | - - - - - | -9176 |
| "    | 1    | "  | 10/12/1943 | - - - - - | -1598 |
| "    | 11   | "  | 20/12/1943 | - - - - - | -3670 |
| "    | 21   | "  | 31/12/1943 | - - - - - | -6145 |

285

COMANDO CUPRA

Ufficio "I" - Sezione Organizzazione

N° 60003/O-Cif di prot.

P.M. 151, 11 6 gennaio 1944

OGGETTO: Comunicazioni radio italiane - cifrari e indicativi di chiamata.

Allegati: 4.-

ALLA COMMISSIONE ALLEATA DI CONTROLLO = SEDA

TELECOMMUNICATIONS AND POSTS SUB-COMMISSION

SECRET

Risposta Vs. lettera data 2 corrente.

In ordine ai vari quesiti posti, Vi comunichiamo:

1°)- a) Una rete operativa è stata in atto in Sardegna e in Corsica durante le operazioni contro le forze germaniche ed i movimenti successivi.-

La rete fu organizzata a cura del Com. FF.AA. della Sardegna in relazione alle esigenze operative.-

1)- dislocazione delle stazioni- ) argomenti di competenza  
2)- enti che le usano- ) dell'uff. telecomunicazio  
4)- lista degli indicativi- ) ni (Capitano di fregata  
Barbara.)

3)- natura dei messaggi - non è nota nei particolari, ma senza dubbio si riferiva prevalentemente alle esigenze normali ed operative delle truppe impiegate contro le forze germaniche.

5)- cifrario in uso- non appena fu possibile dopo l'armistizio venne distribuito il sistema del cifrario "Del libro". Il volume usato era "I combattenti italiani nella guerra contro la Russia".

Esso fu in vigore dal 25 settembre al 30 novembre per tutte le unità in Sardegna; successivamente per i soli enti territoriali e i minori reparti autonomi.

I numeri additivi adoperati risultano dall'elenco allegato N° 1.-

Dal 1/12 fu adottato in Sardegna il romanzo "Pintus- La sposa io per te" Edizione nord Cagliari, per le comunicazioni cifrate fra il Com. Militare della Sardegna e le G.U. dipendenti.-

I numeri additivi in vigore dal 1 al 31/12 risultano dall'elenco allegato N° 2.-

Sono state richieste le copie da dare a voi, <sup>29</sup> saranno consegnate non appena perverranno.-

2°)- Circuito radio fra Italia, Corsica e Sardegna.-

a)- per l'Esercito:

Il documento era "ancora divelta".

SECRET

Risposta Vs. lettera data 2 corrente.

In ordine ai vari quesiti posti, Vi comuniciamo:

- 1°)- a) Una rete operativa è stata in atto in Sardegna e in Corsica durante le operazioni contro le forze germaniche ed i movimenti successivi.-  
La rete fu organizzata a cura del Com. FF.AA. della Sardegna in relazione alle esigenze operative.-  
1)- dislocazione delle stazioni.- ) argomenti di competenza  
2)- enti che le usano.- ) dell'uff. telecomunicazio  
4)- lista degli indicativi.- ) ni (Capitano di fregata Barbara.)
- 3)- natura dei messaggi - non è nota nei particolari, ma senza dubbio si riferiva prevalentemente alle esigenze normali ed operative delle truppe impiegate contro le forze germaniche.
- 5)- cifrario in uso- non appena fu possibile dopo l'armistizio venne distribuito il sistema del cifrario "Del libro".  
Il volume usato era "I combattenti italiani nella guerra contro la Russia".  
Esso fu in vigore dal 25 settembre al 30 novembre per tutte le unità in Sardegna; successivamente per i soli enti territoriali e i minori reparti autonomi.  
I numeri additivi adoperati risultano dall'elenco allegato N° 1.-  
Dal 1/12 fu adottato in Sardegna il romanzo "Pintus- La sposa io per te" Edizione nord Cagliari, per le comunicazioni cifrate fra il Com. Militare della Sardegna e le G.U. dipendenti.-  
I numeri additivi in vigore dal 1 al 31/12 risultano dall'elenco allegato N° 2.-  
Sono state richieste le copie da dare a voi, <sup>28</sup>29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 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631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 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i numeri additivi risultano dall'elenco allegato N° 3.

I collegamenti con la Corsica cessarono col rientro del Comando italiano della Corsica.

- fra Italia e Sardegna: il libro usato era "La cavalcata delle Walchirie"; i numeri additivi risultano dall'elenco allegato N° 4.

Anche di questi libri sarà data copia non appena sarà possibile procurarne. Sembra peraltro che le edizioni siano esaurite.

Si precisa che a partire dal 1° novembre 1943 per le comunicazioni fra Italia e Corsica, e Italia e Sardegna furono apportate le seguenti varianti all'istruzione per la cifratura:

1)- la frase chiave veniva scelta da una delle pagine del libro, compresa fra 101 e 199, considerando però come se la numerazione fosse da pag. 1 a 99;

2)- il numero minimo di lettere stabilito per la formazione della frase chiave fu aumentato a 18. Questa ultima disposizione fu comunicata dal Comando FF.AA. della Sardegna agli enti da esso dipendenti;

b)- questo ufficio non è in grado di dare notizie sulla rete perchè ciò è di competenza dell'uff. telecomunicazioni del Comando Supremo (Capitano di fregata Barbara).

I numeri additivi vennero assegnati:

- per i collegamenti fra Stato Maggiore R.E. e Comando FF.AA. della Sardegna, ad ogni maglia.

- per i collegamenti nell'interno della Sardegna, ad ogni corrispondente;

c)- il prefisso Cir (abbreviazione di Circolare) era stato assegnato alla 7<sup>a</sup> Armata e ai Corpi d'Armata della stessa dipendenti per eventuali comunicazioni cifrate circolari.

Anche per tali comandi il sistema di cifratura in uso, come già a voi noto, era quello "del libro".

In tutti i nuovi collegamenti per l'Esercito, il sistema sarà sostituito da quello comunicato dal Lt Col.H.T.W. Millar al Ten.Col.Ducros, come da accordi già presi.

I numeri additivi saranno assegnati a ciascun corrispondente. Nella cifratura sarà adoperato quello del destinatario.

#### Nota

Per gli argomenti di competenza dell'ufficio telecomunicazioni del Comando Supremo (capitano di fregata Barbara) abbiamo scritto allo stesso ufficio perchè Vi fornisca direttamente le notizie che Vi avete richiesto.

Si precisa che a partire dal 1° novembre 1943 per le comunicazioni fra Italia e Corsica, e Italia e Sardegna furono apportate le seguenti varianti all'istruzione per la cifratura:

- In tutti i nuovi collegamenti per l'Esercito, il sistema sarà sostituito da quello comunicato dal Lt Col. H.T.W. Millar al Ten.Col. Ducros, come da accordi già presi. —
- I numeri additivi saranno assegnati a ciascun corrispondente. Nella cifratura sarà adoperato quello del destinatario.

Per gli argomenti di competenza dell'ufficio telecomunica-  
zioni del Comando Supremo (capitano di fregata Barbara) abbia-  
mo scritto allo stesso ufficio perchè Vi fornisca direttamente  
le notizie che Vi avete richiesto.-



IL COLONNELLO ZATO UFFICIO  
(P. Rep. 10/10)

COMANDO SUPREMO

Ufficio I - Sez. Organizzazione

Allegato No 1 al foglio 60003/O-Clf

in data 6 gennaio 1944

Elenco dei numeri personali assegnati dal  
Comando FF. AA. della Sardegna agli ENTI  
DIPENDENTI IL 25 SETTEMBRE 1943

Libro: "I combattenti italiani nella guerra contro la Russia." -

n° personale

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COMANDO SUPREMO

Ufficio I - Sez. Organizzazione

Allegato N° 2 al foglio 60003/0-CIF

in data 6 gennaio 1944

EDENCO DEI NUMERI PERSONALI ASSEGNATI DAL  
COMANDO FF. AA. DELLA SARDEGNA AGLI ENTI  
DIPENDENTI IL 1° DICEMBRE 1943 PER LA CI-  
FRATURA CON IL ROLANZO "PINTUS" - LA SPO-  
SERO' IO PER TE"

*Ente di personale assegnato per la Sardegna. Forze in 10 units on  
15 December 1943  
with 1000000 units  
the 1000000 units - 1  
with 1000000 units for 1000000*

| COMANDI AI QUALI IL CIERA<br>RIO E' DISTRIBUITO | Numero personale valevole dal |                              |                              |
|-------------------------------------------------|-------------------------------|------------------------------|------------------------------|
|                                                 | 1 al 10<br>dicembre<br>1943   | 11 al 20<br>dicembre<br>1943 | 21 al 31<br>dicembre<br>1943 |
| Com. Militare della Sardegna                    | 1240                          | 4520                         | 3009                         |
| Com. VII Corpo d'Armata                         | 1649                          | 9780                         | 4170                         |
| Com. Divisione "Calabria"                       | 7214                          | 6503                         | 1005                         |
| Com. Divisione "Cremona"                        | 2274                          | 1256                         | 8150                         |
| Com. Divisione "Friuli"                         | 6257                          | 5257                         | 5448                         |
| Com. 204° Div. Costiera                         | 3248                          | 8618                         | 0534                         |
| Com. 225° Div. Costiera                         | 8093                          | 3929                         | 7084                         |
| Com. 226° Div. Costiera                         | 0932                          | 9375                         | 2586                         |
| Com. IV Brigata Costiera                        | 4276                          | 2719                         | 4432                         |
| Com. Raggruppato Granatieri                     | 6312                          | 5284                         | 3698                         |
| Com. XIII Corpo d'Armata                        | 9054                          | 0718                         | 2383                         |
| Com. Divisione "Bari"                           | 5657                          | 1458                         | 1722                         |
| Com. Divisione "Nembo"                          | 2856                          | 4973                         | 8800                         |
| Com. Divisione "Sabauda"                        | 8574                          | 6748                         | 9047                         |
| Com. 203° Divisione Costiera                    | 2364                          | 0069                         | 0192                         |
| Com. 205° Divisione Costiera                    | 6525                          | 7993                         | 4782                         |
| Com. XXXIII Brig. Costiera                      | 8261                          | 4479                         | 6067                         |
| Com. Raggruppato Motocoraz.                     | 3397                          | 1944                         | 1199                         |

you're suffering with  
the cruel riping - I  
will marry him for you

COMANDO SUPREMO  
Ufficio I - Sen. Organizzazione

SEGRETO

Allegato N° 3 al foglio 60003/O-Cif  
in data 6 gennaio 1944

Libro usato: "L'ancora divelta".-

ELENCO DEI NUMERI PERSONALI ASSEGNATI PER LE  
COMUNICAZIONI CIFRATE FRA ITALIA E CORSICA

|     |      |    |                 |      |
|-----|------|----|-----------------|------|
| dal | 12/9 | al | 31/10/1943..... | 5245 |
| "   | 1    | "  | 10/11/1943..... | 2473 |
| "   | 11   | "  | 20/11/1943..... | 4691 |
| "   | 21   | "  | 30/11/1943..... | 8502 |
| "   | 1    | "  | 10/12/1943..... | 9173 |
| "   | 11   | "  | 20/12/1943..... | 5491 |
| "   | 21   | "  | 31/12/1943..... | 3264 |

2800



COMANDO SUPREMO  
Ufficio I- Sez. Organizzazione

SEGRETO

Allegato n° 4 al foglio 60003/O-Cif  
in data 6 gennaio 1944.

Libro usato: "La Cavalcata delle Walchirie".  
ELENCO DEI NUMERI PERSONALI ASSEGNATI PER LE  
COMUNICAZIONI CIFICATE FRA ITALIA E SARDEGNA

|     |      |    |                 |      |
|-----|------|----|-----------------|------|
| dal | 12/9 | al | 31/10/1943..... | 1369 |
| "   | 1    | "  | 10/11/1943..... | 4250 |
| "   | 11   | "  | 20/11/1943..... | 7032 |
| "   | 21   | "  | 30/11/1943..... | 9176 |
| "   | 1    | "  | 10/12/1943..... | 1598 |
| "   | 11   | "  | 20/12/1943..... | 3670 |
| "   | 21   | "  | 31/12/1943..... | 6145 |

2799

AL COMANDO SUPREMO = UFFICIO "I"  
Sezione Organizzazione

S E D E

Per ricevuta del foglio 60003/0-Cif. in data  
6 gennaio 1944 con numero 4 documenté allegaté.

2738

HEADQUARTERS  
ALLIED MILITARY GOVERNMENT  
Palace of Justice  
Salerno

TO: Captain A. W. Stone UMR  
Allied Control Commission  
BRINDISI.

SUBJECT: Italian Cipher.

I am returning herewith correspondence forwarded by G-2  
Advanced Intelligence, AFHQ (Major R.J.C. Cave), as it is not  
now possible for me to assist in obtaining the required data  
owing to the unlikelihood that the Italian Ministry of War will  
be coming into this area within a reasonable period.

Salerno  
27 Dec 1943  
TUM

*J. L. Henderson*  
J. L. Henderson, Colonel  
Telecommunications Subcommittee.

2797

0/324

U. S. SECRET  
Equals British SECRET

G-2 (Advanced Intelligence) AFHQ  
C/O ALLIED CONTROL COMMISSION,  
ITALY.

46

22 December, 1945.

SUBJECT : Cypher Books and Italian Signals.

TO : Colonel Henderson,  
Allied Control Commission,  
Italy.

Herewith copies of communications received from Lt-Colonel LONNOR, Sigs I, G-2, AFHQ. With reference to Lt-Colonel LONNOR's letter of December 2, of which you already possess a copy, Lt-Colonel LONNOR has been advised with regard to the latest situation regarding the cypher books. According to Major HAWKINS it appears that a new set of books was sent to the C.S.O., AFHQ, on December 10, reference 2780/X, for approval.

May I draw your particular attention to copy of Lt-Colonel LONNOR's latest memorandum, dated 19 December.

*H. V. Hild*  
for H. J. C. GAVE, Lt.  
Major, G.S.,  
Adv. G-2 Section.

Enclosures :

copies of communications received.

(1) C.S.O.'s Branch 15 AG.

U. S. SECRET  
Equals British SECRET

2756

0 3 2 2

C O P Y

E792  
N6/20

( ) : DONKEY BRINDISI

FROM: A.F.H.Q. signed CinC

16224

19 December, 1943.

MOST SECRET I (.) E (.) cite FHGBI (.)

Reports have been received that unexpected wireless network has been operating in SARDINIA and CORSICA and between two using 3 letter call signs (.) Suspected to be ITALIAN military network (.) Information required as to (A) location of stations (B) list of call signs used and to whom assigned (C) details cipher in use including of course alterations employed since armistice (.) This matter to be treated as urgent and copies any books reciphering pads cipher instructions applicable or similar documents to be forwarded FHGBI in duplicate (.) Also require in duplicate copies any call signs books or tables in use by ITALIANS (.) Inadvertent station closed information of their activities subsequent to armistice still required

ROUTINE

191516A

2795

U. S. SECRET  
Equals British SECRET

G-2 (Advanced Intelligence) AFHQ  
C/O ALLIED CONTROL COMMISSION,  
ITALY.

22 December, 1945.

SUBJECT: Cypher Books and Italian Signals.

TO: Colonel Henderson,  
Allied Control Commission,  
Italy.

Herewith copies of communications received from Lt-Colonel LONDON, Sign 1, G-2, AFHQ. With reference to Lt-Colonel LONDON's letter of December 2, of which you already possess a copy, Lt-Colonel LONDON has been advised with regard to the latest situation regarding the cypher books. According to Major HASKINS it appears that a new set of books was sent to the C.S.O., AFHQ, on December 10, reference 2780/X, for approval.

May I draw your particular attention to copy of Lt-Colonel LONDON's latest memorandum, dated 19 December.

*M. V. Hill Jr.*  
for C.S.O. CAVB,  
Major, G.S.,  
Adv. G-2 Section.

Enclosures:

copies of communications received.

(1) C.S.O.'s Branch 15 AG

U. S. SECRET  
Equals British SECRET

ALLIED FORCE HEADQUARTERS  
Office of the A.C. of S., G-2

43

B.389A/753/14

19 December 43

Memorandum to: Major R.J.C. CAVE,  
Adv G-2 Sec  
Allied Control Commission  
ITALY

Can you please say what is the situation reference  
the obtaining of the information requested in my even num-  
ber of 2 and 9 Dec respectively, as War Office are pressing  
for the information.

P. W. LORNON,  
Lt-Col. G.S.  
Sigs I, G-2.

20/12/43

COPY

ALLIED FORCE HEADQUARTERS  
Office of the A.C. of S., G-2.

B.389/753/14

9 Dec. 43

42

Memorandum to: Major R.J.C. CAVE  
Adv. G-2 Section  
Allied Control Commission  
ITALY

Further to my even number of 2 Dec 43.

1. As a result of information received from UK it would appear that all the information they require has not yet been provided by the ITALIANS.

2. For instance it is known that a circuit was in existence working between ITALY-CORSICA-SARDINIA and yet no information concerning the additives employed on traffic passing between

- (a) ITALY and CORSICA
- (b) CORSICA and SARDINIA

was given in your letter of 11 Nov. Can you get this information giving numbers used from mid Sept up to present time.

3. The communication network which is referred to above uses figure 2 letter naval callsigns and it would be appreciated if you could find out the exact method by which additives are allotted. Are they allotted to each station or to each link?

4. In the appendix to your same letter multi address messages prefixed CIR are mentioned. Can you say on what network these are passed?

5. If the ITALIANS have drawn up a military callsign book for the use of their stations, can you arrange to obtain 2 copies and to forward them to this office.

6. I am sorry to worry you with this additional work but as soon as we can clear up the arrears and start afresh, the whole matter will become a Signals pigeon and G-2 will fade out.

P.J. LONNON,  
Lt-Col., G.S.,  
Sigs I, G-2.

2793

ALLIED FORCE HEADQUARTERS  
Office of the A.C. of S., G-2

P-389/753/14.

2 Dec 43. (4)

Memorandum to:- Major R.J.C. Cave,  
Adv G-2 Section,  
Allied Control Commission  
ITALY.

1. Thank you very much for the information contained in your letters of 11 and 20 Nov 43. I would be most grateful if you could expedite the despatch to this office of one copy, if possible 2 copies, of each of the novels referred to and if these have changed a similar number of the new ones.
2. Could you also obtain the key numbers for the periods prior to 11 Nov if possible as far back as 1 Sep and also the missing key numbers for Dec for the SARDINIA links.
3. I also require copies of any ciphers used by the ITALIAN Military Authorities prior to the Armistice as stated in my signal 106 of 13 Nov 43.
4. From my conversation with Col HENDERSON I gather he is producing the above for you and I hope he will also obtain the information requested in my 437 of 13 Nov which is required by LONDON. A certain amount of information on these stations has been obtained by an officer visiting SARDINIA but I still want confirmation from the ITALIAN Authorities with copy of P Code.
5. In connection with this I would also like details of the cipher used on this SARDINIAN police network with 2 copies of any books or tables involved and keys as issued.

signed

P.W. LONNON,  
Lt.-Col., G.S.,  
Sigs I, G-2.

2792

*This has been partially dealt with - see  
Major Cave's letter of 22 Dec.*

U. S. SECRET *Cipher*  
 Equals British ~~SECRET~~ ALLIED CONTROL COMMISSION INCOMING MESSAGE /msr (40)

SVC/RELAY NO.

M/C NO : 11/25

CLASS: SECRET

REF NO: 185144

PREC : ROUTINE

FILED : Dec 241055A

FROM : FREEDOM FROM LONDON SIGNED CINC CITE FHGBI

REC'D : Dec 251333A

TO :  
PATIMA (HENDERSON)

Grateful anything you can do expedite provision information requested  
 in my various signals and letters passed you from Cave. Hope visit  
 you again after Xmas and will collect anything you have managed to  
 obtain.

DISTRIBUTION:

2 AG  
 1 Diary  
 1 Gen Taylor INFO  
 1 Lt Col Desmore ACTION

*paraphrased to Col. H.  
 on 27 Dec. see folio 28*

*Cipher 2791*

U. S. SECRET  
 Equals British ~~SECRET~~

COMANDO SUPREMO  
UFF. AI - Sez. Organizzazione

Rr. 60009/C-Clf. di prot. P.M. 151, 11 9 gennaio 1944

OSSERVATO: Comunicazioni fra Italia e Spagna. -

AL COMANDO SUPREMO - Sezione Cifra.  
AL MINISTERO DEGLI ESTERI - Gabinetto  
ALLO S.M. A. E. M. - Uff. del Capo S.M.  
ALLO S.M. R. MARINA - Uff. del Capo S.M.  
ALLO S.M. A. AERONAUTICA - Uff. del Capo S.M.  
ALLA R. AMBASCIATA ITALIANA

c. per conoscenza:

AL COMANDO SUPREMO - Uff. Telecomun./ni  
(allegati onesti)

ALLA R. AMBASCIATA ITALIANA

SECRET

Seguito foglio 60004/C-Clf. di prot. del 6 corrente  
allegato in estratto per lo S.M. R. Marina, lo S.M. A. Aeronautica,  
la R. Ambasciata Italiana in Madrid.

Si trasmette:

- 1°) - Istruzione per la cifratura col sistema "Del Libro"  
copie N. 7 e 8, 9 e 10
- 2°) - N. 22 buste contenenti le tabelle da adoperarsi dal  
15 gennaio al 15 agosto per i collegamenti fra Autorità  
Centrali e R. Ambasciata Italiana in Madrid; copie  
N. 7 e 8, 9 e 10
- 3°) - Specchio indicante la validità delle tabelle. Copie N. 7 e 8  
9 e 10
- 4°) - N. 4 plichi sigillati, numerati 1, 2, 3, 4 contenenti  
ciascuno un libro dei quali:  
- il primo entra subito in vigore come cifrario;  
- Gli altri entreranno in vigore nelle date indicate  
sui rispettivi involucri.

La R. Ambasciata Italiana è pregata comunicare - se-  
guendo le modalità previste - a questo ufficio, la regolare  
ricezione del presente foglio e relativi allegati.

La comunicazione varrà per confermare l'inizio del  
collegamento, la cui decorrenza, comunque, non sarà anterio-  
re al giorno 15 corrente.

d'ordine  
IL GENERALE CAPO RIVANTO  
(Silvio Rossi)

R. 151

e, per conoscenza:  
AL COMANDO SUPLENTO - M.F. Telecomun./mi

M. S. M. E

(allegati omessi)  
ALLA MISSIONE ALIATA DI COMERCIO

SECRET

Seguito foglio 50004/C-212. Si prot. del 6 corrente allegato in estralcio per lo S.M. Marina, lo S.M. Aeronautica, la R. Ambasciata Italiana in Madrid.

Si trasmette:

- 1°) - istruzione per la cifratura col sistema "del Libro" copie N. 7 e 8, 9 e 10
- 2°) - N. 22 buste contenenti le tabelle da adoperarsi dal 15 gennaio al 15 agosto per i collegamenti fra autorità Centrali e R. Ambasciata Italiana in Madrid; copie N. 7 e 8, 9 e 10
- 3°) - esecorio indicante la validità delle tabelle. Copie N. 7 e 8, 9 e 10
- 4°) - N. 4 plichi sigillati, numerati 1, 2, 3, 4 contenenti ciascuno un libro dei quali:
  - il primo entra subito in vigore come cifrario;
  - gli altri entreranno in vigore nelle date indicate sui rispettivi involucri.

La R. Ambasciata Italiana è pregata comunicare - seguendo le modalità previste - a questo ufficio, la regolare ricezione del presente foglio e relativi allegati.

La comunicazione varrà per confermare l'inizio del collegamento, la cui decorrenza, comunque, non sarà anteriore al giorno 15 corrente.

d'ordine  
IL GENERALE CARO RAPARDO  
(Silvio Rossi)

10/11

Comando Supremo  
Office I - Organization Section

M. 6009/K.Cig

P.M. 151 9 Jan 1944

Subject: Communication between Italy & Spain.

To: Comando Supremo - Cipher Section HQ  
Minister of Foreign Affairs - Cabinet HQ  
~~Army~~ General Staff, Italian Army - Office of Chief of Staff

Gen's Staff, Lt. Navy P.M. 151  
Office of Chief of Staff

" " Air Force " " "

Italian Embassy Madrid

and for attention

Comando Supremo - Office Communications (no enclosures) P.M. 151

HQ.

ALL

Following note 6004/K - Cig of Jan 6, enclosure  
attached for ~~it being~~ General Staff Italian Navy, Gen Staff  
Air Force, Lt. Embassy in Madrid

We transmit:

- 1° - Instruction for coding with system "Del Siro" [lit.  
of the book] copies no. 7, 8, 9 and 10.
- 2° 22 envelopes containing codes to be used from 15 Jan  
to 15 Aug. for liaison between Central authorities and  
Lt. Embassy at Madrid, copies no. 7, 8, 9, 10  
2789  
2789
- 3° Table indicating validity of the codes. Copies 7, 8, 9, 10
- 4° 4 sealed packets, numbered 1, 2, 3, 4 each containing a

Minister of Foreign Affairs - ~~Gen. Staff~~  
 Gen. Staff, Italian Army - Office of Chief of Staff  
 P.M. 151  
 Gen. Staff, Lt. Navy - Office of Chief of Staff  
 " " Air Force " " " "  
 Italian Embassy Machine

and for attention  
 Comando Supremo - Office Communications (no enclosures) P.M. 151  
 HQ.

ALL

Following note 60004/K - Cf of Jan 6, enclosure  
 attached for ~~Italian~~ General Staff Italian Navy, Gen. Staff  
 Air Force, Lt. Embassy in Mexico

We transmit:

- 1° - Instruction for coding with system "Del Siro" [Lit.
- of the book] Copies no. 7, 8, 9 and 10.
- 2° 22 envelopes containing codes to be used from 15 Jan  
 to 15 Aug. for liaison between Central authorities and  
 Lt. Embassy at Machine, Copies no. 7, 8, 9, 10 <sup>2789</sup>
- 3° Table indicating validity of the codes. Copies 7, 8, 9, 10
- 4° 4 sealed packets, numbered 1, 2, 3, 4 each containing a  
 book of which ~~the first~~ <sup>the first</sup> ~~will be~~ <sup>will be</sup> ~~subject~~ <sup>subject</sup> as cipher-book  
 - The first goes ~~to~~ <sup>to</sup> immediately on the dates indicated  
 - The others will take effect on the dates indicated  
 on the respective packages

The Lt. Embury is asked to verify this office's following outlined practice - of the official receipt of this note and its relative enclosures.

Such verification will serve to indicate the beginning of the liaison, the expiration of which, however, will not take place before the 15 inst.

By Command

General Chief of Department

S. Rossi

Received the following:

- 2 sets books - each set 4 books. Copies 9 & 10
- 2 packets of personal numbers - each packet 22 envelopes.  
Copies 9 & 10.
- 2 separate envelopes - Copies 9 & 10.
- 2 - Copies Pubblicazione SE 1007 - Copies 9 & 10.

Copy 10 should remain sealed  
.. 9 for use of cipher staff.

J. McCune Jr  
1ST LT, S. G. C.

2788

0334

Declassified E.O. 12356 Section 3.3/NND No. 785015U. S. SECRET  
Equals British SECRET

OUTGOING

RWS/LLD/mip

6/14  
1968 (3)

JAN 14 1430H

SECRET

PRIORITY

FATIMA FROM STORE

FREEDOM

ITALIAN GOVERNMENT DESIRES TO SEND IN RAIMONDO MARZINI CMA CONSULAR ATTACHE CMA  
TO ITALIAN EMBASSY MARZINI WITH CIPHERS FOR COMMUNICATION BETWEEN GOVERNMENT AND  
EMBASSY IN ACCORDANCE WITH AG LETTER THREE ONE ONE DASH TWO ZERO SIX DASH AGH  
DATED TWO ZERO DECEMBER PD TO FREEDOM FROM FATIMA FROM STORE SIGNED JOYCE PD CAN  
YOU ACQUIRE CHARTER AIR TRANSPORTATION TO MARZINI FROM ALGIERS AND RETURN QUERY

see 36

DISTRIBUTION:

2 - AG  
1 - Deiry

AUTHENTICATED:

ROBERT E. DOE  
Major, A.O.D.  
Secretary of the Commission

U. S. SECRET  
Equals British SECRET

2787

R. MINISTERO  
DEGLI  
AFFARI ESTERI

N. 112

Brindisi, Jan. 13, 1944

To the Allied Control Commission  
(attention of the Chief of Staff)

Brindisi

Dr. RAIMONDO MANZINI is an Official of the Italian Ministry of Foreign Affairs with the rank of Consular Attache.

He is the diplomatic courier who shall deliver to the Italian Embassy in Madrid instructions and codes to put into operation the new system of communications between the Italian Government and the Royal Embassy in Madrid, as devised by Allied authorities.

The Royal Ministry of Foreign Affairs would be very grateful if the Allied Control Commission could arrange air transportation to Spain and return for Dr. Manzini.

The Permanent Secretary



*[Handwritten signature]*

see 372739

*Italian Cipher*

HEADQUARTERS ALLIED CONTROL COMMISSION  
APO 394

JLH/arr

30 December 1943

In reply  
refer to: AG 311.5  
TC/2/1

MEMORANDUM FOR: Mr. *Feber*, ACC.

1. Attached is a draft instruction to the Cipher Officer of ACC. Would you kindly say as early as possible whether it is satisfactory so far as you are affected.

2. The AFHQ instruction reads as follows regarding incoming cables: "Upon arrival at Brindisi, copies of these messages will be delivered direct to the Italian Government and a duplicate delivered to ACC. Such messages will be deciphered and checked for security violations by the Commission." (Signed by Brig. Gen. T. J. Davis).

*W. J. Henderson*

for Col. J. L. HENDERSON  
Telecommunications and Posts Sub-Commission

1 Incl; Draft

*Mr. W. J. Henderson*  
*The draft is satisfactory*  
*insofar as I am concerned except that*  
*intending making it more definite it should*  
*go to Political Section*  
*(Letter to Mr. Caccia)*

*John W. Henderson*

2785

JLH/drr

DRAFT

HEADQUARTERS ALLIED CONTROL COMMISSION

(Draft)

In reply  
refer to: AG 311.5  
TC/2/1

Subject: Cipherring of Italian Government Communications Between Italy  
and Spain.

To: Lt. McCreery, Message Center  
Copy to Adjutant General  
Copy to O/C Royal Corps of Signals, 71 Sub-Area  
Copy to Mr. Reber

1. A date will be fixed shortly for the introduction of a ciphred message system between Italy and Spain <sup>for the Italian Government messages</sup> only.

2. Outgoing messages from Italy will be enciphered by the Italian Government. The cipher text accompanied by two copies of the plain text version will be sent by hand to the ACC (Adjutant General) <sup>where they</sup> will be passed to ~~Mr. Reber~~ <sup>the British Section</sup> for security inspection.

If the result of this inspection is satisfactory, the ciphred message and one copy of the plain text will be sent to you, for check of agreement of the texts. Ciphred messages may however be passed for transmission without being delayed until the check for agreement of text has been completed.

All messages should bear the message instruction FIL (to be transmitted by landline or cable only) at the beginning, and this must be checked. Messages will be routed over the <sup>Radio</sup> Brindisi - Malta - Gibraltar submarine cable system.

3. Incoming messages will be routed back over the same cables. One copy of the ciphred message will be sent by 71 Sub Area Signals direct to the Italian Government another copy being sent to you. This copy should be deciphered and the ciphred copy and a plain copy sent to Mr. Reber for check for security violation. He will retain or destroy the message.

for Col. J. L. HENDERSON  
Telecommunications and Posts Sub-Commission

Subject: CIPHERING OF Italian Government Communications Between Italy and Spain.

To: Lt. McCreery, Message Center  
Copy to Adjutant General  
Copy to O/C Royal Corps of Signals, 71 Sub-Area  
Copy to Mr. Reber

1. A date will be fixed shortly for the introduction of a ciphered message system between Italy and Spain, for the Italian Government messages only.

2. Outgoing messages from Italy will be enciphered by the Italian Government. The cipher text accompanied by two copies of the plain text version will be sent by hand to the ACC (Adjutant General) where they will be passed to Mr. Reber, for security inspection.

*the Political Section*  
If the result of this inspection is satisfactory, the ciphered message and one copy of the plain text will be sent to you, for check of agreement of the texts. Ciphered messages may however be passed for transmission without being delayed until the check for agreement of text has been completed.

All messages should bear the message instruction FIL (to be transmitted by landline or cable only) at the beginning, and this must be checked. Messages will be routed over the *Brindisi - Malta - Gibraltar* submarine cable system.

3. Incoming messages will be routed back over the same cables. One copy of the ciphered message will be sent by 71 Sub Area Signals direct to the Italian Government another copy being sent to you. This copy should be deciphered and the ciphered copy and a plain copy sent to Mr. Reber, for check for security violation. He will retain or destroy the message.

for Col. J. L. HENDERSON  
Telecommunications and Posts Sub-Commission

1. Political Section (Mr. Reber or in his absence Mr. Caccia)

2. Political Section

ESTER

U. S. CONFIDENTIAL  
 Equals British CONFIDENTIAL

ALLIED CONTROL COMMISSION INCOMING

MESSAGE /hd

11 JAN 1944

1702

35

SVC/RELAY NO.

M/C NO : 29/10

CLASS: CONFIDENTIAL

REF NO: 26490

PREC : ROUTINE

FILED : JAN 101316A

FROM : FREEDOM SIGNED CINC CITE FMSIG

REC'D : JAN 101704A

TO : ACTION CSO 15 ARMY GROUP, REUR X 4281 JAN 8.  
 INFO SIGNALS FATIMA

Allied Control Commission was given authority to authorize use of a double transposition cipher system by the Italian Government for general use. Cipher specifically authorized for communications between Italian Government Brindisi and Italian Consul, Madrid via cable and landline. All messages to be cleared through control commission, who hold copy of cipher keys. Required that 2 copies of all keys used by Italian government be furnished CSO AFHQ. This cipher not suitable for tactical use. Was not deemed necessary furnish you copy instructions since cipher intended primarily for high level use under supervision of Control Commission.

DISTRIBUTION:

- 2 - AG
- 1 - Diary
- 1 - Captain Stone
- 1 - British Signals ) INFO
- 1 - American Signals)

U. S. CONFIDENTIAL  
 Equals British CONFIDENTIAL

17

2583

0340

Col. Miller

Re attached

Necessary action Please

PDD

10 Jan

No action reqd. CDR  
only sent to us  
H. J. P.  
1111

0341

SUBJECT: = Italian Cipher

Military Mission  
to ITALIAN ARMY  
X 17

7 Jan 44

15 my Gp

Copy to: Allied Control Commission

Reference Allied Control Commission TC/8/1 of 4 Jan.

May permission be given for this cipher to be used  
for Most Secret messages from SMRE to NAPLES.

Seen: Capt. Stone  
Col. D.  
Col. M.

WJ  
100 10 Jan

Brig  
Comd

ABC

Read 10 Jan 44

134

33

yes

0342  
C O P Y

EWS/mms

In reply  
refer to: TC/8/1

4 January 1944

SUBJECT: Italian Cipher.

TO : CSO., 15 Army Group

A double transposition type Italian cipher has been authorized for general use by Italians, in a message from AFHQ number 10418 of 6 December 1943. Copies are held at AFHQ. You may wish to know the position. — 16

The cipher will be used on authorized circuits, the only one of which, so far as A.C.C. is concerned, is the Italy - Malta - Gibraltar submarine cable link to Madrid, for diplomatic messages.

ELLERY W. STONE  
Captain, USNR  
Communications Section

Copy to: British Military Mission to Italian Army  
with reference to memo. no. x/12 of 28 October 1943.

See 34

2782

Sgt

1. Pl. e this on  
BF
  2. Col Millar is  
working this out  
with I govt AF/17.
  - 3 Reply will be made  
later
- Memorandum  
6 Jan 44

0 3 4 4

32

Subject. Communications.

Telecommunication and Posts Sub Commission,  
Allied Control Commission.

'F' Operating  
Section.

525/L/36.  
3rd. Jan. 44.

28A

A.G. 311.5 TC/2/1 of 30 Dec. 43.

1. The proposals put forward in your draft  
are entirely satisfactory.

2. The only additional information I shall  
require is the Telegraphic Address to be used.

3. As agreed by Capt. Stone and Capt. MacLeod  
Cable and Wireless will charge the Italian Government at Government  
rates for this service.

*Paul G. Briggs*  
Comd.

'F' Operating Section.

*Seen Capt. Stone*  
*Col. D. Pitt*

2781

*Received 4 Jan 44*

0 3 4 5

131  
EWS/mip

In reply  
refer to: TC/8/1

4 January 1944

Subject: Italian Government Communications between Italy and Spain -  
Cipher for use.

To: Lt. Col. Pueros, Cipher Section, Commando Supremo.

1. A request from the Italian Ministry of Foreign Affairs for the resumption of a wireless service between Italy and Madrid has been refused, as you know.
2. Instead, ciphered messages will be sent via submarine cable to Malta and thence to Gibraltar, in accordance with the following procedure.
3. Outgoing messages from Italy will be enciphered by the Italian Government. The cipher text accompanied by a copy of the plain text version will be turned over to the Allied Control Commission for check and transmission.

All ciphered messages must begin with the code word FIL.

The message will be transmitted to Gibraltar and turned over to the Spanish telegraph office for transmission via Spanish land line to Madrid, and delivery to the proper address, where the message will be deciphered.

4. Messages from Spain for Italy will be filed with the Spanish telegraph office in Madrid, in cipher. These messages will also begin with the code word FIL. They will then be transmitted by route in paragraph 3, in reverse. Upon arrival at Brindisi they will be delivered to the Italian Government.

5. The cipher to be used will be the Italian cipher number LST 2 suitably modified. A copy of the modified cipher has already been signed by Lt. Col. Miller (dated 4 December 1943) and handed to you. The principal alteration is the introduction of a second key phrase for the second transposition. Books used for keys will be changed at frequent intervals.

*W. Stone*  
ELERY W. STONE  
Captain, USNR  
Communications Sub-Commission

*Cipher File*

U. S. SECRET

Equals British SECRET

ALLIED CONTROL COMMISSION INCOMING

MESSAGE /nd

31 DEC 1943

SVC/RELAY NO.

CLASS: SECRET

PREC: ROUTINE

FROM: FREEDOM SIGNED CINC CITE FHSIG

TO: FATIMA FOR SIGS

M/C NO: 15/31

REF NO: 21290

FILED: DEC 301524A

REC'D: DEC 310732A

Reference your 1681 of 28 December.

Expected MALTA - NAPLES cable will be operating in approximately three weeks.

This cable when available may be substituted for BRINDISI - MALTA cable for Italian Government traffic. Confirmed our 16645 applies.

DISTRIBUTION:

2 - AG  
 1 - Diary  
 1 - Captain Stone - INFO  
 1 - Am Signals - INFO  
 1 - Br Signals - INFO

2570

Seen Capt. Stone UM  
 Col. D. LOA

U. S. SECRET

Equals British SECRET

Received 31 Dec 43.

29  
EWS/hjr

31 December 1943

In reply refer to:  
311.5

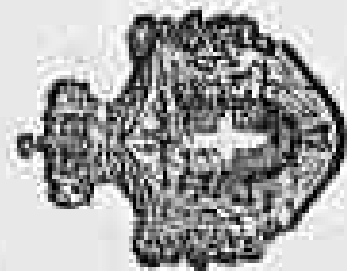
SUBJECT: Ciphers

TO : Office "I", Organization Section, Comando Supremo

1. This is in reply to your letter of 28 December 1943 in reference to the system of ciphering to be used on authorized circuits.
2. On 30 December 1943, an Italian cipher amended in certain respects was sent to Lt. Col. Ducros for his inspection.
3. As authorization for the resumption of the Bari-Sardinia circuit has not, as yet, been received, it should be understood that the system of ciphering, which was sent to Lt. Col. Ducros, is intended for general use on authorized circuits and not confined to communications with Sardinia.
4. It is agreed that questions relative to ciphering be handled through this office.

ELLERY W. STONE  
Captain, USNR  
Communications Section

2778



## COMANDO SUPREMO

Uff. "I" - Sez. Organizzazione

151 u 28 dicembre 1943

*All* LA COMMISSIONE ALLEATA DI CONTROLLO  
Sezione Comunic/ni - Uff. del Cap. di Vasc.  
E W STONE.-

= BRINDISI =

Risposta al foglio del \_\_\_\_\_  
Div. \_\_\_\_\_ Sez. \_\_\_\_\_ N. \_\_\_\_\_

Prot. N. 110 /O-cif. Allegati \_\_\_\_\_

OGGETTO: C i f r a r i .-

**SEGRETO**

Si informa codesto ufficio che sono state date le disposizioni relative al sistema di cifratura stabilito dalle autorità alleate per i collegamenti con la Sardegna.-

Si comunica inoltre che, come da richiesta fatta a suo tempo dal generale Duchesne, il ten.col. Ducros di questo ufficio ha consegnato il giorno 8 dicembre u.s. all'ufficio del Brigadiere Nalder quattro cifrari nuovi perchè fossero esaminati per l'approvazione.-

Poichè si ha notizia che i cifrari stessi sono stati spediti per l'esame ad Algeri, si prega comunicare se rite-  
nete conveniente che, allo scopo di semplificare la procedura, le questioni relative ai cifrari vengano per l'avvenire trattate esclusivamente con codesto ufficio.-

2777

*your (meaning Capt Stone)*

IL TEN. COL. S.M. VICE CAPO UFFICIO

- Renato De Francesco -

*De Francesco*



0349

JLM/arr

In reply  
refer to: AG 311.5  
TC/2/1

30 December 1943

MEMORANDUM TO: Captain McLeod, c/o Signals, 71 Sub-Area.

1. Attached is a draft instruction to the Cipher Officer of the Allied Control Commission. It is based on an instruction no. AG 311-20 SIG-AGM dated 20 Dec. 1943 from AFHQ. The phrasing of this instruction regarding incoming messages is as follows:

"Upon arrival at Brindisi, copies of these messages will be delivered direct to the Italian Government, and a duplicate delivered to the Allied Control Commission. - - - - - Necessary instructions will be issued by the Acting Deputy President, Allied Control Commission, to ensure proper handling and control of this traffic."

2. Will you kindly say early whether, so far as you are affected, the draft instruction is satisfactory.

*Am*

for Col. J. L. HENDERSON  
Telecommunications and Posts Sub-Commission

1 Incl:  
Draft

See! - 32

2776

HEADQUARTERS ALLIED CONTROL COMMISSION  
APO 994

JLH/arr

(288)

In reply  
refer to: AG 311.5  
TC/2/1

30 December 1943

MEMORANDUM FOR: Mr. Heber, ACC.

1. Attached is a draft instruction to the Cipher Officer of ACC. Would you kindly say as early as possible whether it is satisfactory so far as you are affected.

2. The AFHQ instruction reads as follows regarding incoming cables: "Upon arrival at Brindisi, copies of these messages will be delivered direct to the Italian Government and a duplicate delivered to ACC. Such messages will be deciphered and checked for security violations by the Commission." (Signed by Brig. Gen. T. J. Davis).

*H. J. L.*

for Col. J. L. HENDERSON  
telecommunications and Posts Sub-Commission

1 Incl: Draft

2775

DRAFT

JLH/drr

(Draft) HEADQUARTERS ALLIED CONTROL COMMISSION

In reply  
refer to: AG 311.5  
TC/2/1

Subject: Ciphering of Italian Government Communications Between Italy  
and Spain.

To: Lt. Recovery, Message Center  
Copy to Adjutant General  
Copy to/C Royal Corps of Signals, 71 Sub-Area  
Copy to Mr. Heber

1. A date will be fixed shortly for the introduction of a ciphered message system between Italy and Spain, for the Italian Government messages only.

2. Outgoing messages from Italy will be enciphered by the Italian Government. The cipher text accompanied by two copies of the plain text version will be sent by hand to the AOC (Adjutant General), where they will be passed to Mr. Heber, for security inspection.

If the result of this inspection is satisfactory, the ciphered message and one copy of the plain text will be sent to you, for check of agreement of the texts. Ciphered messages may however be passed for transmission without being delayed until the check for agreement of text has been completed.

All messages should bear the message instruction PL (to be transmitted by landline or cable only) at the beginning, and this must be checked. Messages will be routed over the Prindisi - Malta - Gibraltar submarine cable system.

3. Incoming messages will be routed back over the same cables. One copy of the ciphered message will be sent by 71 Sub Area Signals direct to the Italian Government another copy being sent to you. This copy should be deciphered and the ciphered copy and a plain copy sent to Mr. Heber for check for security violation. He will retain or destroy the message.

for Col. J. L. HENDERSON  
Telecommunications and Posts Sub-Commission

2774

HEADQUARTERS ALLIED CONTROL COMMISSION  
APO 394

JLH/rjp

In reply  
refer to: AG 311  
TC/3/3

29 December 1943

SUBJECT: Italian Government Communications between Brindisi and Sardinia  
TO : Lt. Col. S. M. P. Ducros, Comando Supremo

With reference to your letter number H.99/0-CIF of 24 December 1943,  
it is regretted that permission to open a wireless service between the main-  
land and Sardinia cannot be granted. The proposal to do so on 1st January  
1944 must thus be cancelled.

for Col. J. L. Henderson  
Telecommunications and Posts  
Sub-Commission

26  
2773

COMANDO SUPREMO  
Ufficio "I" - Sezione Organizzazione

N. 99/O-Cif. di prot.

P.M. 151, li 24 dicembre 1943

OGGETTO: collegamenti con la Sardegna.-

AL CAPITANO DI VASCELLO

COMANDANTE STONE

~~~~~  
SEGRETO
~~~~~

Riferimento accordi verbali Vi comunico che, a partire dal 1° gennaio, i collegamenti col Comando Militare della Sardegna saranno svolti secondo le prescrizioni concordate.

Il libro che sarà usato dalle ore zero del 1° gennaio è il volume "Mariana" di Sally Salminen, di cui Vi invio tre copie come da Vostra richiesta.

Allego inoltre triplice copia dell'elenco dei numeri personali per il collegamento con la Sardegna.

Non mi è stato possibile procurare il volume "La Cavalcata delle Walchirie", precedentemente in uso. =

d'ordine  
IL CAPO SEZIONE  
(Ten. Col. S.M. P. Ducros)



Translation on the other side.

AL CAPITANO DI VASCELLO

COMANDANTE STONE

SEGRETO

Riferimento accordi verbali Vi comunico che, a

partire dal 1° gennaio, i collegamenti col Comando Militare della Sardegna saranno svolti secondo le prescrizioni concordate.

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d'ordine

IL CAPO SEZIONE

(Ten.Col.S.M. P.Ducros 277)



*[Handwritten signature]*

Translation on the other side.

*see 27*

*[Handwritten notes in the right margin:]*  
Dopo l'arrivo a Cagliari  
il 1° gennaio  
il libro "Mariana" di Sally Salminen  
è stato consegnato al  
Comando Militare della  
Sardegna  
il 1° gennaio  
1944

16  
Subject: Wireles Communications with Sardinia.-

COMMANDER STONE.

Allied Control Commission

SECRET

With reference to verbal arrangements I am informing you that from January the 1st the wireless communications with the Military Command of Sardinia will be worked according to plans.

The book which is going to be used from 00.00 a.m. of January the 1st is the novel "MARIANA" by Sally Salminen of which I am forwarding to you three copies according to your request.

Besides I enclose three copies of the list of enciphering additives for the wireless communications with Sardinia.

Sorry, that I could not find the book "La Cavalcata delle Walkirie" used up to date.-

CONFIDENTIAL

**Sardagna, -**

**SECRET**

Allegato al foglio  
N. 90/C-Cif del 177  
12/1943

COMANDO SUPREMO  
Ufficio I-Sett. Organizzazione

Elenco dei numeri personali in vigore dalle ore zero  
del 1° gennaio alle ore 24 del 31 gennaio 1944 per i  
collegamenti fra { Comando Supremo } e Comando P.F.A.A.  
S.M.R.E.  
Sardegna.

dalle ore zero  
alle ore 12

dalle ore zero  
alle ore 12

D A T A

dalle ore 12,01  
alle ore 24

|    |              |      |   |      |      |   |      |
|----|--------------|------|---|------|------|---|------|
| 1  | Gennaio 1944 | 9431 | - | 8209 | 1118 | - | 6384 |
| 2  | "            | 1481 | - | 9421 | 6105 | - | 1437 |
| 3  | "            | 3044 | - | 5334 | 6692 | - | 2515 |
| 4  | "            | 8207 | - | 3157 | 5019 | - | 2869 |
| 5  | "            | 6615 | - | 9553 | 6729 | - | 5565 |
| 6  | "            | 2719 | - | 9370 | 2007 | - | 0178 |
| 7  | "            | 7902 | - | 8054 | 1058 | - | 8681 |
| 8  | "            | 2384 | - | 8718 | 7543 | - | 9838 |
| 9  | "            | 4355 | - | 2489 | 9440 | - | 1282 |
| 10 | "            | 5904 | - | 8522 | 2291 | - | 3521 |
| 11 | "            | 3206 | - | 7648 | 8832 | - | 7113 |
| 12 | "            | 7526 | - | 4271 | 2657 | - | 6845 |
| 13 | "            | 1125 | - | 4139 | 0944 | - | 0226 |
| 14 | "            | 4000 | - | 5401 | 7727 | - | 3980 |
| 15 | "            | 6020 | - | 7462 | 4854 | - | 4942 |
| 16 | "            | 5810 | - | 1347 | 2473 | - | 9089 |
| 17 | "            | 3373 | - | 9236 | 0385 | - | 0496 |
| 18 | "            | 7290 | - | 4691 | 4774 | - | 9764 |
| 19 | "            | 5197 | - | 5661 | 1751 | - | 2352 |
| 20 | "            | 4529 | - | 3516 | 3676 | - | 9517 |
| 21 | "            | 9812 | - | 6799 | 5023 | - | 7424 |
| 22 | "            | 8663 | - | 8805 | 4341 | - | 9884 |
| 23 | "            | 5028 | - | 7868 | 6105 | - | 0765 |
| 24 | "            | 6949 | - | 7708 | 7332 | - | 9600 |
| 25 | "            | 5237 | - | 9603 | 4883 | - | 7167 |
| 26 | "            | 3817 | - | 8379 | 5777 | - | 2746 |
| 27 | "            | 5300 | - | 1641 | 5639 | - | 0433 |
| 28 | "            | 8359 | - | 5670 | 2044 | - | 5942 |
| 29 | "            | 7233 | - | 3162 | 8619 | - | 1236 |
| 30 | "            | 6008 | - | 7987 | 5211 | - | 9957 |
| 31 | "            | 3499 | - | 3090 | 1595 | - | 2970 |

Allegato al foglio  
N. 90/0-315 del 17/  
12/1943

COMANDO SUPREMO  
Ufficio I-Sez. Organizzazione

Elenco dei numeri personali in vigore dalle ore zero del 1° gennaio alle ore 24 del 31 gennaio 1944 per i collegamenti fra { Comando Supremo } e Comando IV. AA. S.M.R.D.

Sardagna. —

495

dalle ore zero ! dalle ore 12,01  
dalle ore 12 ! alle ore 24

[illegible]

**000000**

0359

U.S. SECRET  
Rough Draft

OUTGOING

EWB/hd

2000  
13/15  
165  
28/731A

SECRET

ROUTINE

FATIMA

FREEDOM FOR CSO

DEC

24

CONFIRMATION REQUESTED PAREN REFERENCE LETTER AG THREE ONE ONE DASH TWO ZERO <sup>SIG</sup>  
TWO ZERO  
DASH AGH DATED/13 DECEMBER PAREN THAT YOUR ONE SIX SIX FOUR FIVE <sup>23</sup> ALSO APPLIES PD  
PAREN TO FREEDOM FOR CHIEF SIGNAL OFFICER FROM FATIMA FROM STONE SIGNED JOYCE PAREN  
ARRANGEMENTS WILL BE SATISFACTORY EXCEPT WE POINT OUT ITALIAN GOVERNMENT INTENDS  
TO MOVE TO SALENO SOON PD AFTER SUCH MOVE IT IS ASSUMED THAT NAPLES DASH MALTA  
CABLE WILL BE SUBSTITUTED FOR BRINDISI DASH MALTA CABLE PD IF ASSUMPTION CORRECT  
WHEN WILL NAPLES DASH MALTA CABLE BE RESTORED QUERY BASED ON PAST EXPERIENCE  
CONSIDERABLE DELAY WILL RESULT BETWEEN SALENO AND BRINDISI IF TRAFFIC IS ROUTED  
FROM SALENO VIA WIRE TO BRINDISI THENCE TO MALTA BY CABLE

AUTHENTICATED:

ROBERT E. DOE  
Major, A.C.D.  
Secretary of the Commission

DISTRIBUTION:

- 2 - AG
- 1 - Diary
- 1 - Capt Stone

Seen: Capt. Stone approved  
Col. WOS ADD.

- ① Cipher
- ② Use of cables - Igor from 24/12 - Spain

Received 29 Dec. 43.

AP

U.S. SECRET  
Rough Draft

ALLIED FORCE HEADQUARTERS  
AFV 512

SECRET  
By Authority of  
C-in-C, A.F.  
Initials EDJ  
21 Dec 1943

NO 311-20 SIG-ADM

20 December 1943

SUBJECT: Italian Government Communications Between ITALY and SPAIN  
To: Acting Deputy President, Allied Control Commission

1. The delay time on Italian Government messages passed between BRINDISI and MADRID is excessive, which indicates that improved methods of handling such traffic are desirable. However, the volume of traffic between these points does not indicate the necessity for the establishment of a radio link. The extreme shortage of radio frequencies in the Mediterranean area, and especially on the Italian mainland, makes it mandatory that assignment of frequencies be kept to an absolute minimum by authorizing only those stations essential to the conduct of the war, and requiring that other facilities be employed wherever possible. Further, the operation of radio stations by the Italian Government greatly increases the overall radio security problem. Such stations must be kept under immediate supervision by Allied personnel to prevent serious breaches of security. Personnel qualified to properly supervise such stations are extremely difficult to obtain.

2. The opening of the BRINDISI-MADRID radio circuit is disapproved. Italian Government traffic between these points will be handled in the following manner:

a. The double transposition cipher described in AFHQ message 10418 of 061941 December, as amended by AFHQ message 13404 of 131720 December is authorized for use by the Italian Government between BRINDISI and MADRID. One (1) copy of current keys and instructions will be furnished the cipher team assigned to FATMA. Two (2) copies of these keys and instructions will be furnished the Chief Signal Officer, this headquarters marked "PHSIG-Y".

b. Outgoing messages from ITALY will be enciphered by the Italian Government. The cipher text, accompanied by a copy of the plain text version, will be turned over to the Allied Control Commission, FATMA, for transmission. The plain text version will be checked for security by the Commission. If cleared for transmission, the cipher text will then be filed for transmission via the BRINDISI-MADRID cable. <sup>2787</sup> Messages will bear the message instructions "YIL" (to be transmitted by landline or cable only) and will be routed over the BRINDISI-MADRID-ORIENTAL cable. At Gibraltar, such messages will be turned over to the Spanish Telegraph office for transmission, via Spanish landline, to MADRID and delivery to the proper addressees.

AG 31-20 SIG-ARM, 20 December 1943 (cont'd)

- (2) Copies of the cipher text and plain text will be checked by the AFMA cipher section for agreement of texts; however, messages may be filed for transmission without being held until this check is completed.

c. Incoming messages will be filed with the Spanish telegraph office in Madrid. They will be marked RH and will be transmitted via the same routing used for outgoing messages. Upon arrival at Madrid, copies of these messages will be delivered direct to the Italian Government, and a duplicate delivered to the Allied Control Commission. Such messages will be deciphered and checked for security violations by the Commission.

3. Necessary instructions will be issued by the Acting Deputy President, Allied Control Commission, to insure proper handling and control of this traffic.

By command of General STEPHENSON:

/s/ T. J. Davis,  
T. J. Davis,  
Brigadier General, USA,  
Adjutant General.

1st Inf.  
RE ALLIED CONTROL COMMISSION APO # 394 U.S. ARMY 18 JANUARY 1944  
TO: Commanding General, AFMA, APO # 512 U.S. ARMY

1. One (1) copy of current keys and instructions have been furnished the cipher team assigned to AFMA.

2. Two sets key books, two sets of personal numbers, two sets of instructions on the period of use of each personal number and two Italian copies of the cipher, were sent to CMO (Int. Section) AFMA by registered courier service as explained in letter TC/9/1 to A C C to CMO-AFMA, 24 Dec 43.

3. Necessary instructions have been issued to insure proper handling and control of traffic affected.

For the Deputy President:

ROBERT E. DUNN  
1st Lt. A.C.C.  
Adjutant General

U. S. SECRET  
Equals British SECRET

ALLIED CONTROL COMMISSION INCOMING

MESSAGE /msr

23

SVC/RELAY NO.

M/C NO : 27/20

CLASS: SECRET

REF NO: 16645

PREC : ROUTINE

FILED : DEC 201358A

FROM : FREEDOM AFHQ SIGNED CINC CITE FHSIG

REC'D : DEC 201643A

TO : FATIMA FOR ACTION FOR SIGNALS

Length of individual messages or parts authorized as requested  
 your 1520 December 18. These limits 130 to 400 letters.

#41

DISTRIBUTION:

- 2 - AG
- 1 - Diary
- 1 - Capt. Stone INFO

22 Dec.

Memo given Lt. apostols containing above info. with request  
 to inform proper Station officer.  
 L.D.

see 24  
25

32063

U. S. SECRET  
Equals British SECRETCipher  
Cipher file

Headquarters  
Allied Control Commission

22 Dec 43.

file  
727  
2317

Tc/2/2.

Subject: Use of Cyphers by Italian Govt.  
Re - 16645 from Freedom Dec 20

To: Lt. Apostolo. Liaison Section.

1. Reference is made to request that  
"length of individual messages or parts  
thereof be within limits of 130 to 400  
letters"

2. Please inform proper Italian G.  
that the request has been approved -  
length of individual messages or p  
authorized as requested. These limit  
400 letters.

276;

Lt. H. Hensmore  
Lt. Col. S. P. P. S.  
Communication Section.

U. S. SECRET  
Special Agent

- INCOMING

/hrt

22/18

15431

DEC 171929A

DEC 181605A

SECRET

ROUTINE

FREEDOM SIGNED EISENHOWER CITY FACIV

FATIMA

Paraphrase of telegram number 38 dated December 12th signed D'Ajeta  
addressed Marshal Badoglio.

American and British Missions here have explicitly asked me to permit  
them knowledge of Royal Aeronautics intelligence code in order to co-operate in  
political and in public matters. This code has been in custody of this  
legation since September 30th and former was in Dilusio's possession. Please  
issue instructions this matter at your earliest convenience.

DISTRIBUTION:

- 2 - AG
- 1 - Diary
- 1 - Gen. Taylor (action)
- 1 - Mr. Caccia (info)
- 1 - Capt. Stone (info)
- 1 S/C De Haan.

U. S. SECRET  
Special Agent

0365

U. S. SECRET  
Equal to B-1

INCOMING

/net

16 DEC 1943 34  
21

XXXX

94

11/16

SECRET

ROUTINE

DEC 151933A

FREEDOM FROM NAAP, LA MARSA SIGNED SPAATZ CITE  
OUR S-134 B  
MATS HPTD HQ, CRYSTAL AF, RPT TO FATIMA

DEC 162255A

Authority granted to provide Italian aircraft with codes, reference  
your R 7008, provided held by American radio operators. Only extracts  
necessary for duration of flight to be carried. Call signs to be  
obtained from columns of call sign scramble allocated to troop carrier  
command. Extracts of colors of day and verification tables for  
duration of flight may be issued Italian air crews.

DISTRIBUTION:

- 2 - AG
- 1 - Diary
- 1 - A/C Foster INFO
- 1 - Capt Stone INFO
- 1 - Gen Taylor INFO

Handled 5 -

seen by Capt. Stone 18 Dec 43.  
Lt. Col. Densmore 19 Dec

U. S. SECRET  
Equal to B-1

OUTGOING

15 NOV 1943

ENC/

13/18

1520

DEC 18/531A

SECRET

ROUTINE

FATIMA SIGNED JOYCE FROM STONE

FREEDOM FOR CGO

19  
YOUR ONE THREE FOUR ZERO FOUR AGREED TO BY ITALIAN CIVIL OFFICER  
EXCEPT HE STRONGLY RECOMMENDS AND HE CONCUR THAT LENGTH OF INDIVIDUAL  
PAREN TO FREEDOM FOR CGO FROM FATIMA FROM STONE SIGNED JOYCE PAREN  
MESSAGES OR PARTS THEREOF BE WITHIN LIMITS OF ONE THREE ZERO TO FOUR  
ZERO ZERO LETTERS PD ADVISE IF YOU ACCEPT

AUTHENTICATED:

ROBERT E. DOE  
Major, A.G.D.  
Secretary of Commission

DISTRIBUTION:

2 - AG  
1 - Diary  
1 - Capt. Stone

also see 19

2761

U. S. SECRET  
 Equals British SECRET

ALLIED CONTROL COMMISSION INCOMING MESSAGE /mip

SVC/RELAY NO.

M/C NO : 19/14

CLASS: SECRET

REF NO: 13404

PREC : ROUTINE

FILED : DEC 131700A

FROM : FREEDOM SIGNED CINC CITE FTSIG REUR  
 1376 DECEMBER 10

REC'D : DEC 140640A

TO : FATIMA FOR SIGNALS

Confirmed that two groups of four numbers are required for keys. Message lengths given in our message 10416 of December 6th in error should read 100 - 250 letters. Confirmed that no effort should be made to make message lengths an exact multiple of five letters. Hence last textual group of message or parts of a long message may consist of from one to five letters.

DISTRIBUTION:

- 2 - AG
- 1 - Diary
- 1 - Captain Stone - INFO
- 1 - Colonel Henderson - INFO
- 1 - General Taylor - INFO

See also: 17  
 18  
 20

2560

U. S. SECRET  
 Equals British SECRET

*Cypher file*

0368

U. S. SECRET  
 Equals British SECRET

- OUTGOING

ZMS/hd

SECRET

ROUTINE

PATIMA

FREEDOM FOR CSO

DEC

DEC

YOUR ONE ZERO FOUR ONE EIGHT OF SIX DECEMBER PD CONFIRM THAT YOU REQUIRE TWO  
 GROUPS OF FOUR NUMBERS FOR KEYS AND NOT TWENTY DASH FOUR PD TO FREEDOM FOR CSO  
FROM PATIMA FROM STONE SIGNED JOYCE PD ITALIANS REQUESTED THAT MESSAGE LENGTHS  
 BE RESTRICTED BETWEEN LIMITS OF FOUR ZERO AND ONE ZERO ZERO GROUPS SINCE BULK OF  
 THEIR TRAFFIC WILL FALL IN THESE LIMITS PD COMMENT THAT RESTRICTION AGAINST  
 MAKING MESSAGES AN EXACT MULTIPLE OF FIVE MEANS EXACT MULTIPLE OF FIVE LETTERS  
 AND NOT FIVE GROUPS PD ALL OTHER CONDITIONS UNDERSTOOD AND ACCEPTABLE TO  
 ITALIANS

AUTHENTICATED:

ROBERT E. DOE  
 Major, A.G.D.  
 Secretary of the Commission

DISTRIBUTION:

- 2 - AG
- 1 - Diary
- 1 - Captain Stone

2753

U. S. SECRET  
 Equals British SECRET

3  
U. S. SECRET

Equals British SECRET

The use by Italians of double transposition cipher book method described in letter from Col. Henderson dated 6 October as modified below is authorized.

- Two-Four
1. ~~Under conditions given.~~ Different keys will be used for each transposition requiring ~~44~~ number groups each consisting of a page and line number, 1 for each transposition.
  2. Enciphering additive for indicators will consist of 8 numbers selected at random and will be held by all holders of each system.
  3. Additive will change twice daily.
  4. The book used for keys will when possible be a new novel.
  5. Message lengths will be kept between limits of 100 and 250 groups of five letters.
  6. Short messages will be padded to make up the minimum length.
  7. Padding will consist of random words.
  8. Long messages will be cut into parts with lengths between limits given.
  9. Completely filled rectangles will not be used for either transposition.
  10. No effort will be made to make messages an exact multiple of five.
  11. Stereotyped phraseology will be carefully avoided.
  12. Books used for keys will be changed at frequent intervals.
  13. One copy of all keys and key books used will be furnished the US Cipher Team at Patina.
  14. Two copies of all keys and key books used will be furnished the Signal Intelligence Service AFHQ with a list of all holders of each system.

2758  
All 13  
16

U. S. SECRET

Equals British SECRET

U. S. SECRET  
Equals British SECRET

INCOMING

/arr

116

SECRET

*This is in connection with*

13/07

ROUTINE

*Bair. Sardinia Wireless for*

10413

FREEDOM

*Italians - see File "Italian*

Dec 0619/1A

FATIMA

*Radio Requirements" folios 13,  
25, 26 and 27.*

Dec 070916A

3

Double transposition cipher book method described in letter from Col. Henderson dated 6 October as modified below is authorized for use by Italians. FOR SIGNALS FATIMA SIGNED CINC STATE MESIG. Under conditions given. Different keys will be used for each transposition requiring two four (24) number groups each consisting of a page and line number, 1 for each transposition. Enciphering additive for indicators will consist of 8 numbers selected at random and will be held by all holders of each system. Additive will change twice daily. The book used for keys will when possible be a new novel. Message lengths will be kept between limits of 100 and 250 groups of five letters. Short messages will be padded to make up the minimum length. Padding will consist of random words. Long messages will be cut into parts with lengths between limits given. Completely filled rectangles will not be used for either transposition. No effort will be made to make messages an exact multiple of five. Stereotyped phraseology will be carefully avoided. Books used for keys will be changed at frequent intervals. 1 copy of all keys and key books used will be furnished the US Cipher Team at Fatima. 2 copies of all keys and key books used will be furnished the Signal Intelligence Service AFHQ with a list of all holders of each system.

DISTRIBUTION:

- 2 - AG Files
- 1 - Diary
- 1 - Col. Henderson - ACTION
- 1 - Capt. Stone - INFORMATION
- 1 - General Taylor - INFORMATION

*see above 17 59*

U. S. SECRET  
Equals British SECRET

18  
19  
20  
57

C O P I A

*Return to Capt. Stora*

C O M A N D O S U P R E M O  
S. I. M. - Sezione Organizzazione

Nr. 705/O-Org. di Prot.

P.M. 151, li 3/12/1943

OGGETTO: Chirocrittografo (macchina cifrante a mano). -

<sup>TO</sup>  
AL SIG. MAGGIORE JOHNSTONE  
Missione Militare Alleata

Albergo Internazionale

S E D E

~~~~~  
SEGRETO

Sig. Maggiore

Ho a buon punto il progetto della macchina cifrante (chirocrittografo) di cui Vi parlai.

Ho già in mente anche l' "ISTRUZIONE" ma ritengo sia preferibile allestirla dopo aver concretato il primo modello, dato che nell'impiego i criteri possono essere molteplici, ed è bene, prima di fissarli definitivamente, collaudarli in pratica per selezionarne i migliori.

Sarebbe mio vivo desiderio poter avere tutte le garanzie di brevetto, che intenderei poter utilizzare a vantaggio dell'eventuale adozione presso le Forze Armate Anglo-Americane e Italiane.

Cordiali saluti

F/to Ten.Col. Ducros

Subject. - " Chirocrittografo " (hand ciphering machine)

The plan of ciphering machine (" Chirocrittografo "), of which I told you, is well advanced.

In my mind I planned also the "instructions for use" but I deem more convenient to print it only after having realized the first model, as, when actually using the machine, we may have several directive ideas to employ it; consequently it is advisable to work them all out in order to effect a good choice.

I would like to have my patent thoroughly guaranteed. I

SECRET

Sig. Maggiore

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Ho già in mente anche l' "ISTRUZIONE" ma ritengo sia preferibile allestirla dopo aver concretato il primo modello, dato che nell'impiego i criteri possono essere molteplici, ed è bene, prima di fissarli definitivamente, collaudarli in pratica per selezionare i migliori.

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The plan of ciphering machine (" Chirocrittografo "), of which I told you, is well advanced.

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I would like to have my patent thoroughly guaranteed. I intend to use such patent with a priority for (literally trans.: " to the maximum advantage of possible use by) Allied and Italian Forces.

Best regards.

File
Steel Copy 5 - 100
28 Dec 43

0374

Declassified E.O. 12356 Section 3.3/NND No. 785015

Via Ferrante
Formoso
#3
Vicino Piazza
della Vittoria

SUBJECT: = W/T Communication with XXXI CORPS.

British Military Mission to
7 ITALIAN ARMY.
Ref No. X/12.

HQ 7 ITALIAN ARMY.

HQ 15 ARMY Group.
Allied Military Mission. } for information.

1. Further to my X/12 of 26 Oct and as result of my visit to HQ 15 Army Group on 27 Oct, I am directed to inform you that under no circumstances are Italian Cyphers to be used : nor is it permissible to use W/T in clear.

To overcome the difficulty British personnel are now available both at my HQ and at CATANZARO to encypher and decypher messages sent over your W/T sets. I shall be glad to receive your sets as soon as convenient.

2. Further, I am to say that there is no likelihood in the immediate future of any change in this policy, since the decision must probably be taken by authorities outside Italy, according to the type of Cipher used. In order to define the problem it would be necessary to forward a copy of your cipher to HQ 15 Army Group for inspection by Brigadier NADLER, the Chief Signal Officer there. I suggest that the best and safest means to effect this would be through General UTILE.

28 Oct 45.

[Signature]
2755
Brigadier.
Comd. British Military Mission.

0375

Declassified E.O. 12356 Section 3.3/NND No. 785015U. S. SECRET
Equals E. O. 12356

OUTGOING

Capt. Stone
/arr 14

SECRET

ROUTINE

FATIMA

FREEDOM for GSO for COL. HAYES

16/10
872
10/60717

LIEUTENANT COLONEL DUCOS ITALIAN ARMY WITH WHOM YOU CONFERRED HERE UNDERSTOOD YOU
WERE FORWARDING HIM PAREN TO FREEDOM FOR GSO FOR COLONEL HAYES FROM FATIMA FROM
STONE SIGNED JOYCE PAREN SOME FORTY FORMS PAREN POSSIBLY STRIPS PAREN FOR USE IN
COMPILING NEW OLIVER PD HE WOULD NEED BETWEEN FOUR ZERO ZERO ND FIVE ZERO ZERO EACH
PD HIS WORK NOW HALD UP PENDING THEIR RECEIPT PD CAN YOU SUPPLY OR WERE THEY TO
COME FROM CONDESMAN QUERY ADVISE

AUTHENTICATED:

ROBERT S. DOE
Major, A.G.D.
Secretary of Commission

DISTRIBUTION:

2 - AG
1 - Diary
1 - Capt. Stone

2754

U. S. SECRET
Equals E. O. 12356

U.S. SECRET
Equivalent British SECRET

/sk

INCOMING

13

SECRET

13/9

PRIORITY

8264

FREEDOM

081928A

090535A

FATIMA (CAVE FROM LONDON CITE FROBI SIGNED CINC

TROOPERS have requested that copies of key of double transposition ciphers in use by Italians on naval and military networks be obtained for them. Details of system in use were forwarded here by Colonel Henderson of your signal section in his letter of 7th October. Books in hand? are (A) copy books, naval or magazine from which the key phrases are taken. (B) detailed list giving 4 figures personal or station numbers allotted to each station. Reference file copy Henderson letter may assist? if you are not quite sure what is required. You should treat this as official request from FREEDOM to Italian authorities.

DISTRIBUTION:

- 2 - AG Files
- 1 - Diary
- 1 - W/C
- 1 - Major Cave - Action
- 1 - Gen. Taylor - Info

To Capt Stone
mr?

see also 3

14
17

U. S. SECRET
Equivalent British SECRET

Unique copy
supplied to Major
Cave 11 2752 3

Two

21 Oct.

12

Capt. Stone:

Have discovered that a plane is leaving
for Hyeon tomorrow and returning the next
day. Since I have had no answer to a routine
message in three days and high precedence
traffic seems to be increasing, believe it will
be better to go back and see if there is anything
more I am to do here. Was unable to locate you
before going.

I'm most appreciative of your help in
making contact - would certainly have
accomplished very little without it.

L. M. Meyer, Capt, S.C.

2752

U. S. SECRET
Equals British SECRET

/arr

ALLIED MILITARY MISSION - INCOMING MESSAGE

SVC/RELAY NR:

M/C NR : 24/21

CLASS: SECRET

REF. NO: 205

PREC : ROUTINE

FILED : 211129A

FROM : FREEDOM

REC'D : 211524A

TO : FATIMA

Contact Capt. Cerulli at 15 Army Group. FOR MYERS CITE THIS SIGNED CIRC.

Get all possible information and return Algiers.

DISTRIBUTION:

- 2 - AG Files
- 1 - Diary
- 1 - M/C
- 1 - Capt. Myers

U. S. SECRET
Equals British SECRET

2751

U. S. SECRET
Equals British SECRET

ALLIED MILITARY MISSION - OUTGOING MESSAGE

SVC/RELAY NR:

CLASS : SECRET

PREC : ROUTINE

FROM : FATIMA

TO : FREEDOM

M/C NR : 18/16

REF. NR: 447

FILED :

REC'D : 162100A

TWO OFFICERS OF SIM WHO HAD DAILY SEEN BULLETIN OF DECIPHERED MESSAGES REPORT AS
FOLLOWS PD FOR COLONEL HAYES FROM MYERS SIGNED TAYLOR PD MESSAGES BETWEEN ANKARA
AND NEW YOURK READ DAILY PD BETWEEN LISBON AND NEW YORK CMA BERNE AND NEW YORK
OCCASIONALLY PD THIS RIGHT UP TO ARMISTICE PD DID NOT KNOW SYSTEM OR LANGUAGE IN
WHICH MESSAGES WERE SENT PD SAY CERULLI MAN MOST APT TO KNOW DETAILS PD ASKED IF
THEY MEANT WASHINGTON PD REPLIED POSSIBLY SOME FROM WASHINGTON BUT MOST FROM NEW
YORK PD VERY DEFINITE THAT MESSAGES BETWEEN MAJOR MILITARY HEADQUARTERS NOT RPT
NOT READ PD REQUESTS FOR AIR AND ARTILLERY SUPPORT ETC READ IN SICILIAN CAMPAIGN
PARA AIR FORCE NEEDS CHARLIE SUGAR PETER EIGHT FOUR FIVE AND STRIPS FOR SIX MAJOR
HEADQUARTERS CMA TWO ZERO AIRPORTS CMA THREE ZERO UNITS PD WILL GET GROUND FORCE
REQUIREMENTS TOMORROW PD INSTRUCTIONS SHOULD BE TRANSLATED INTO ITALIAN PD HAVE
YOU SEEN CERULLI

DISTRIBUTION:

2 - AG Files
1 - Diary

AUTHENTICATED:

FRANK A. RAHTER
1st Lt., A.G.D.

Adjutant General

U. S. SECRET
Equals British SECRET

90

(9)

P R O M E M O R I A

L'attività decrittografica del S.I.M. aveva portato, fra l'altro, alla rottura dei seguenti cifrari diplomatici:

- 1.) Stati Uniti; cifrario addetti militari;
- 2.) Gran Bretagna; cifrario confidenziale
- 3.) Turchia
- 4.) Jugoslavia
- 5.) Grecia
- 6.) Portogallo
- 7.) Egitto
- 8.) Brasile
- 9.) Belgio

I risultati dell'attività suddetta sono stati man mano comunicati - a titolo di collaborazione - tanto ai germanici quanto agli ungheresi e si deve quindi ritenere che gli stessi sono in grado di decifrare i telegrammi compilati con i cifrari di cui sopra.

Si comunica quanto sopra per i provvedimenti precauzionali del caso.-

P.M. 167, 11 6 Ottobre 1943.-

SECRET

Capt. Stone

/ta

5

ALLIED MILITARY MISSION - INCOMING MESSAGE

SVC/RELAY NR:

M/C NR : 5/9

CLASS: SECRET

REF. NO. 4935

PREC : PRIORITY

FILED : 082112A

FROM : FREEDOM

REC'D : 090235A

TO : FATIMA

Will arrive your headquarters 9 October CAPT. LOUIS M. MYERS, Signal Corps. (For FATIMA for STONE cite FCGIG signed CINC). He is authorized to discuss all phases Italian cipher and signal intelligence situation. Appreciate all possible cooperation.

DISTRIBUTION:

- 1 - AG Files
- 1 - Diary
- 1 - M/C
- 1 - Capt. Stone ✓

2748

SECRET

0382

SECRET

/mp

FILE

ALLIED MILITARY MISSION - INCOMING MESSAGE

18

SVC/RELAY NR:

M/C NR: 20/10

CLASS : SECRET

REF. NO: 3492

PREC : ROUTINE

FILED : 051535A

FROM : FREEDOM

REC'D : 101806A

TO : FATIMA

(VIA ADLS)

2

To discuss matter mentioned para 3 your 254 October 4
desire to have Lt. P. W. Lonnon G-2 section this Headquarters
visit Fatima about 10 October. (For signals cite FHSIG
signed Cinc). Request you forward official approval of visit.

DISTRIBUTION:

- 1 - AG File
- 1 - Diary
- 1 - M/C
- 1 - Capt. Stone

2747

SECRET

0383

SECRET

ALLIED MILITARY MISSION-OUTGOING MESSAGE

SVC/RELAY NR :

CLASS : SECRET

PREC : ROUTINE

FROM : FATIMA

TO : FREEDOM

M/C NR :

REF. NO:

FILED :

REC'D :

10/11
358

111745A

DELETE PAREN TO FREEDOM FROM STONE SIGNED TAYLOR PAREN LAST TWO WORDS
OUR MESSAGE THREE FIVE TWO SLANT ONE ONE SHOULD READ VISIT APPROVED

1
6see also 5
6
8DISTRIBUTION:

- 1- AG Files
- 1- Diary
- 1- Capt. Stone

AUTHENTICATED:

ROBERT E. DOE
Major, A.G.D.
Secretary of the Mission

2746

SECRET

0384

SECRET

/ak

ALLIED MILITARY MISSION - OUTGOING MESSAGE

SVC/RELAY NR:

N/C NR : 3

CLASS : SECRET

REF. NO: 352

PREC : ROUTINE

FILED : 11/200A

FROM : FATIMA

REC'D :

TO : FREEDOM

YOUR THREE FOUR NINE TWO PD TO FREEDOM FROM STONE SIGNED TAYLOR PD VISIT APPROVED
FROM STONE

DISTRIBUTION:

- 1 - AG Files
- 1 - Diary
- 1 - Capt. Stone ✓

AUTHENTICATED:

ROBERT E. DOE
Major, A.G.D.
Secretary of the Mission

see also

5
7
8

22

SECRET

SECRET

Col Henderson

4

ALLIED MILITARY MISSION - OUTGOING MESSAGE

SVC/RELAY NO.

CLASS: SECRET

PREC: ROUTINE

FROM: FATIMA

TO: FREEDOM for CSO

M/C NR:

20/7

REF. NO.

314

FILED:

REC'D:

042248A

①

3

1702

REFERENCE YOUR MESSAGE ONE SEVEN ZERO TWO AND REPLY BY LETTER DATED SIX OCTOBER PD
TO FREEDOM FOR CHIEF SIGNAL OFFICER FROM HENDERSON SIGNED TAYLOR PD POINTS
 SUGGESTED IN FINAL PARAGRAPH ARE ALL BEING INVESTIGATED BY OFFICER ARRIVED TODAY
 FROM LONDON FOR SPECIFIC PURPOSE COVERING ALL POINTS

see also 2

AUTHENTICATED:

MAXWELL D. TAYLOR
 Brig. Gen., U.S.A.
 Acting Chief of Mission

DISTRIBUTION:

- 1 - AG File
- 1 - Diary
- 1 - Col. Henderson

2744

SECRET

SECRET

ALLIED FORCE HEADQUARTERSA.F.O. 5126th October, 1943.

To: - Chief Signal Officer, Allied Force Headquarters.
 From: - Colonel J. L. Henderson, Allied Military Mission, Italy.
 Subject: - Italian Cipher.

Reference your message No. 1702 timed 011159A, and further
 to my message No. 254 timed 032249A.

1. General. - There is a marked difference between the three Italian Services, the centralisation of the Army and Air Force control at Rome having resulted in a breakdown of their cipher systems compared with the Navy.
2. Army. - The Army system of high-grade cipher has completely broken down. They are not using machine or book cipher, the only cipher in use being a simple anagrammatic system which they themselves estimate as only offering two hour's security. Full details are attached for what they are worth at Appendix "A". They have distributed the necessary books (ordinary novels) to the only three places to which they permit transmissions, LEROS, CORSIKA and SARDINIA, on or after the 10th September and took it into use on 20th September, but lack of these books is no handicap to a decipherer. Transmission to LEROS is now prohibited by the Allied Forces. Other transmissions by the Italian Army are forbidden. The only messages sent on the permitted circuits are stated to be situation reports and unimportant administrative messages; at this end they are authorised for transmission by the Supreme Command only. Lieut.-Colonel DUCROS is in charge of the cipher branch; he is late chief of the military cipher office in Rome.
3. Air Force. - The Air Force system has equally collapsed, and they are using no cipher. They state that only a few quite unimportant messages are being sent and these are transmitted in clear. They are approved for transmission here by the Air Supreme Command, and available for inspection by the Royal Air Force staff. At present no steps are being taken to produce new ciphers. Major MAGGINI is in charge of the cipher branch.
4. Navy. - The Navy considers that their cipher security is now practically back to normal. Between main bases they use the HAGELIN cipher machine; these exist at TARANTO, BRINDISI, MADDELANA, CAGLIARI, AVACCIO and LEROS. New keys were distributed to all these places on the 22nd September; actually communication is prohibited to the two last places. The machine appears to afford a corresponding degree of security to our own.

SECRET

MOST SECRET

ALLIED CONTROL COMMISSION
CIPHER FOR USE BY ITALIAN GOVERNMENT
(AMENDED LMT2 (BOOK METHOD))

- 1.- The receiver is furnished with a magazine or other book and with a personal number composed of 8 figures selected at random (grouped in 2 numbers of 4 figures each).
Two personal numbers will be employed daily; the first one from 00.00 a.m. to twelve; the second one from 00.01 p.m. to midnight.

- 2.- OPERATIONS FOR CIPHERING. Key phrase. To cipher a message it is necessary in the first place to choose a key phrase from the book. This phrase is formed of the first words of a line in one of the first 99 pages, and the final letter of the phrase is the final letter of the word containing the fifteenth letter.

Example: Page 17, line 5, of a previously chosen book reads,
"COSI' TACENDO CAMMINAVA VERSO..." The third word "CAMMINAVA" contains the fifteenth letter of the phrase, and therefore the last "A" is the final letter of the chosen phrase.

- 3.- The letters of the key phrase are then numbered in their alphabetical order. When a letter is contained more than once in the phrase, the numbering is continued from left to right, as in the case of "A" and "E" below. (This is not the same phrase as in para 2 above)

C H E S T A V A P E R S A L I R E
4 8 5 14 16 1 17 2 11 6 12 15 3 10 9 13 7

The message will then be coded as shown later.

- 4.- Messages must, for safety, be composed of no less than 100 letters and no more than 400 letters in length. Common phrases must be avoided. The end of the messages will be indicated with a phrase as:

"Arrivederci" ("so long"), "Ciao" ("goodbye"), etc.

Before proceeding to cipher the message a group of at least 5 letters selected at random should be placed at the beginning and at the end of the message. The end group should contain letters different from those of the initial group, letters seldom employed should not be ~~used~~. These groups ~~must~~ contain the numbers of letters necessary to:

- (1) make the total of the letters in the message be a multiple of 5.
 - (2) To have a good proportion between the letters. *generally*
- care should be taken that the letters are not used, at the beginning or end, as they occur in the language.*

- 5.- MESSAGE FOR CIPHERING. "ERBRHAT" The system in use resembles the British Playfair Method but utilises a numerical code instead of an alphabetical transposition. The key is obtained from a book, the phrase used being indicated by a key figure which details the book page and line, "HBRVT".

- 2 -

The safety groups will be noticed in the message; they will therefore be inserted before beginning the coding operations.

The message is transposed twice as shown below.

6.- 1st Table.

The message with its safety letters is written horizontally under the figures of the key phrase as para 3.

	C	H	B	S	T	A	V	A	P	E	R	S	A	L	I	R	E
	4	8	5	14	16	1	17	2	11	6	12	15	3	10	9	13	7
1	E	K	B	H	H	N	A	T	T	H	E	S	Y	S	T	E	N
2	I	N	U	G	E	R	E	S	E	H	B	L	E	E	T	H	E
3	B	R	I	T	I	S	H	P	L	A	Y	F	A	I	R	M	E
4	T	B	O	D	B	U	T	U	T	I	L	I	S	E	S	A	N
5	U	M	E	R	I	C	A	L	C	O	D	E	I	N	C	T	E
6	A	D	O	F	A	N	A	L	F	H	A	B	E	T	I	C	A
7	L	T	R	A	N	S	P	O	S	I	T	I	O	N	S	T	O
8	P	T	H	E	K	E	Y	I	S	O	B	T	A	I	N	E	D
9	F	R	O	M	A	B	O	O	R	T	H	E	P	H	R	A	S
10	E	U	S	E	D	B	E	I	N	G	I	N	D	I	C	A	T
11	E	D	B	Y	A	K	E	Y	F	I	G	U	R	E	W	H	I
12	C	H	D	E	T	A	I	L	S	T	H	E	B	O	O	K	P
13	A	G	E	A	M	D	L	I	N	E	H	E	S	E	V	T	-

Completely filled rectangles will not be used for either table i.e. empty spaces should exist at the end of the last line.

7.- 2nd Table.

A second table is now made up using a new key phrase from the book as shown below. The key phrase this time is found to be (say): "Il libro che sarà usato"

I	L	L	I	B	R	O	C	H	E	S	A	R	A	U	S	A	T	O
8	10	11	9	4	14	12	5	7	6	16	1	15	2	19	17	3	18	13
N	R	S	U	G	N	S	E	B	B	E	A	D	T	S	P	U	L	L
O	I	O	I	Y	L	I	Y	E	A	S	I	E	O	A	P	D	R	B
S	E	I	B	T	U	A	L	P	F	E	C	A	B	U	I	O	E	
O	R	H	O	S	B	D	E	H	M	A	I	O	H	I	O	T	G	I
T	E	M	E	E	N	E	A	O	D	S	T	I	P	K	N	R	H	M
D	T	T	R	U	D	H	G	T	T	R	S	S	D	S	N	R	C	W
O	V	S	S	I	E	N	T	R	I	H	I	E	O	R	T	E	L	T
C	P	S	S	K	N	F	S	N	E	B	Y	L	D	A	T	B	H	I
G	H	H	E	H	M	A	T	C	T	E	A	A	H	K	T	R	S	T
D	R	F	A	E	M	E	Y	E	A	S	L	F	I	E	B	I	T	E
N	U	E	B	H	E	I	B	I	A	N	K	A	D	A	T	N	A	E
H	T	A	A	P	Y	O	E	E	I	L	-	-	-	-	-	-	-	-

..//..

The letters of vertical column No.1 of the first table are written horizontally along the top line of the second table continuing if necessary along the second line; the letters of column No.2 follow, then column No.3 etc

8.- FINAL TRANSPOSITION.

The final transposition is obtained by reading downwards the column of the second table in the order in which they are numbered at the top, and by writing the letters in group of five, ready for transmission.

9.- GROUP INDICATOR.

The message must be numbered with two group indicators each of four figures. Each indicator is calculated as follows. A number is formed of which:

- (a) The first two figures represent the number of page from which the key phrase for transposition table No.1 has been taken.
- (b) The two last figures represent the number of line from which the key phrase has been taken.

To this number of 4 figures should be added, without carrying forward, the first 4 figures of the personal number. The final number is group indicator No.1.

Similarly group indicator number 2 is calculated starting with the page and line of the phrase used for the second transposition table, and adding the other 4 figures of the personal number:

Example: Page 41, line 4.....4104
Plus personal number.....5248
Group indicator.....9342

These group indicators must be placed at the beginning of the ciphered message. At the end of the message the total number of letters in the message should be given followed by a repetition of the group indicators.

10.- GROUP INDICATING TIME AND DATE.

~~It is composed of 8 figures of which:~~ the first 4 figures indicate the hour and minutes; the next 2 indicate the day; the last 2 the month. This group must be placed at the end of the coded message (after the two group indicators) and has the function of indicating the date and time in which the message has been coded. Through this group are obtained the personal number and, consequently, the two keys employed for the transposition of the message.

Example: a message coded at 5.30 A.M. of December the 8th will have the following group indicating t. and d. : 09300812

- 4 -

11.- CODED MESSAGE.

From what has been said above, it will be seen that the coded message for transmission is as follow, assuming group indicator figures of 6439 and 2751

6439	2751	(Keys)								
AIETI	SIYAL	KTOAH	PIODH	IDUDI	TRREB	RINCY	TSEUI	KHEHP	EYLEA	
GTSTY	BEBAP	MDTIE	TAAIB	ETHOT	RNCEI	UNOSO	IDOCG	DMHUI	SOERS	
SEABA	RIERE	TVEHR	UTSOI	HMTSS	HPEAE	IADEN	MFACI	OLBEI	MWTIT	
EENLU	BNDEN	MMEYD	ECOIS	ELAPA	KSEAN	RHBES	NLPPU	ONNTT	TETLR	
OGHCL	HETAS	ABIKS	HAWEA	220	6439	2751	<u>09300812</u>			

A strict record must be kept of the group indicators used and none of them must be used twice. The key phrase should be varied in length as much as possible.

12.- FURTHER POINTS OF IMPORTANCE.

- Short messages will be padded to make up the minimum length. Padding will consist of random words.
- Long messages will be cut into parts with lengths between limits given.
- No effort must be made to make the original message an exact multiple of five letters.
- Stereotyped phraseology must be carefully avoided.
- Books used for keys will be changed at frequent intervals.

DECODING

13.- DECODING OPERATIONS.

- Reverse the operations. The second phrase is reconstructed by subtracting, without carrying forward, the last 4 figures of the personal number from group indicator No.2, and using the resulting group of 4 figures to find the key phrase from the book. The letters of the key phrase are then numbered as for coding. The size of the required table No.2 is obtained by dividing the number of letters composing the message by the number of letters of key phrase No.2. Using the figures of para 7 above, there are 220 letters while the key phrase has 19 letters.

$$\frac{220}{19} = 11 \text{ and } 11 \text{ over}$$

This means that in the table there are 11 full horizontal lines each of 19 letters, and a 12th line of 11 letters, the last 8 places being blank.

- 5 -

- (b) The letters of the coded message are then written in the table, commencing to write vertically from column 1 and going on with column 2, etc.
- (c) The key phrase No. 1 is then deduced and numbered. The size of the first table is obtained by dividing the number of letters of the coded message by the number of letters of key phrase No. 1, as shown above (letter a).
The letters from table No. 2 are then transferred to table No. 1 reading horizontally along the lines of table 2 and writing vertically down the columns of table 1, following the order of figures written at the head of each column.
- (d) The original message is obtained reading horizontally along lines of this table, excluding the safety letters placed at the beginning and end of the message.-

H. W. Williams

Lt. Col.

4 Dec 1943

27.8

- 2 -

SECRET

Between all minor bases, such as BARI, OTRAMTO, etc., and between all ships except small craft and merchant ships, they use book cipher. This system is also used between the main bases. Two books are used, one of which has been rewritten and distributed subsequent to the Armistice, between the 13th and 29th September, the other is in process of being rewritten. All keys have been changed and distributed subsequent to the Armistice and a regular routine of distribution is in force. The book system is similar to our own, a key group of four figures (which is only used for one or two messages), being subtracted from a four-figure group obtained from a book for each word or spelt letter, etc., and the whole result reciphered.

The identification calls of ships is not considered secure and action is being taken to effect an improvement. The identification signal of friend or foe in message transmission is however considered secure and a regular change of identification signal is in force.

Details of distribution and dates are attached at Appendix "B".

Lieut.-Commander VACCARISI is in charge of the cipher branch.

5. Action Suggested.

The Air Force system has been examined by Wing Commander E. O. MORGAN, Headquarters, M.A.O., who has taken particulars of the systems in use, copies of the ciphers and samples of the machines and other equipment. It is understood that the question of providing the Italian Air Force with ciphers has been raised and a decision is awaited.

The Navy system has received some examination by Commander CALLEGHAN, R.N., but the extent and results of his inspection are not known.

There would appear to be some aspects of the Army system that may require some attention : -

- (a) The policy to be pursued in re-equipping the Italian army with secure cipher.
- (b) The extent to which supervision of their security methods is necessary.
- (c) Examination of their pre-Armistice systems and equipment. It seems probable that full details have already been available as a result of the North African and Sicily campaigns, and that no additional facts can be obtained here, at least until the capture of Rome. Presumably an investigation has already taken place of the earlier captured equipment.
- (d) Examination of their intelligence systems regarding cipher; somewhat extensive claims are made by the Army and the Air Force cipher officers as to the extent that our own ciphers have

SECRET

0393

SECRET

- 3 -

been broken, including high-grade.

Colonel

Colonel,
Allied Military Mission, Italy.

27.6

SECRET

APPENDIX "B"

DISTRIBUTION LIST OF SECRET PUBLICATIONS PREPARED FOR USE AFTER THE
ARMISTICE AND EFFECTIVE DATE.

1. KEYS - CIPHER MACHINE.

MARINA TARANTO)
MARINA BRINDISI)
MARINA LA MADDALENA)
MARICORSICA)
MARINA CAGLIARI)
MARINA LERO)

22nd September, 1943.

Use suspended at the request of Allied
Command

2. OPERATIVE CODE - 2nd Cipher.

MARINA BRINDISI)
CRUISER SCIPIONE)
CORVETTE BENICE)
" SFINGE)
" CHIMERA)
" SIBILLA)
" POMONA)
" BALONETTA)

13th September, 1943.

MARINA TARANTO)
MARINA BARI)
DESTROYER GRANATIERE)
TORPEDO BOAT :

" ABBA)
" ARETUSIA)
" CASSIOPEA)
" CLIO)
" COSENZ)
" GIOVANNINI)
" MONZAMBANO)
" PILO)
" SIRIO)
" SAGITTARIO)
" T.1)
" T.5)

17th September, 1943

CORVETTE DRIADE)
" FLORA)
" SCIMITARRA)
" URANIA)
AUXILIARY SHIP :
IUBIANA)
BARIETTA)

CORVETTE FOLAGA)
" GRU)

27th
September,
1943.

27.5

Cipher keys

- 2 -

MARINA LA MADDELENA
MARINA CAGLIARI
CORVETTE IBIS
TANKER TIRSO

29th September, 1943

3. KEYS FOR GENERAL CIPHER.

MARINA TARANTO
MARINA BRINDISI
MARINA BARI
MARINA OTRANTO
MARINA GALLIPOLI
MARINA CROTONE
CRUISER SCIPIONE
DESTROYER GRANATIERE
TORPEDO BOAT :

" ABBA
" ARETUSA
" CASSIOPEA
" CILIO
" MONZAMBANO
" SIRIO
" SAGITTARIO

CORVETTE BAIONETTA
" CHIMERA
" DRIADE
" FENICE
" FLORA
" POMONA
" SCIMITARRA
" SFINGE
" SIBILLA

20th September, 1943.

CORVETTE URANIA
AUXILIARY SHIP:
" BARLETTA
" IULIANA

20 September,
1943.

MARINA CAGLIARI
MARINA MADDALENA
MARINA P. TORRES
MARINA OLBIA
CORVETTE IBIS
TANKER TIRSO

29 September,
1943.

4. 2nd cipher and new keys for General Cipher Book already distributed to all shore authorities and ships mentioned at No. 3. It will be effective at the Supermarina order.

5. Identification Words for Wireless Stations.

As same shore authorities and ships mentioned at para 2. They were effective on 13th September, 1943 for following authorities and ships :-

MARINA BRINDISI
CRUISER SCIPIONE
CORVETTE FENICE
CORVETTE SFINGE
CORVETTE CHIMERA
CORVETTE SIBILLA
CORVETTE POMONA
CORVETTE BAIONETTA

2734

For all others they were effective on 1st October, 1943.

MOST SECRET.CIPHERING PART 2 (Book Method)APPENDIX "A"

1. The receiver is furnished with a magazine or other book and with a personal number composed of 4 figures.

OPERATIONS FOR CIPHERING.

2. Key Phrase.- To cipher a message it is necessary in the first place to choose a key phrase from the book. This phrase is formed with the first words of a line in one of the first 99 pages and the final letter of the phrase is the final letter of the word containing the fifteenth letter.

Example:- Page 37, line 5 of pre-established book: "COSI TACENDO
CAMMINA VA," which has 20 letters.

3. The letters of the key phrase should subsequently be numbered in their alphabetical order. When a letter is contained more than once in the phrase, the numbering is continued from left to right, as in the case of "A" and "E" under described:-

C	H	E	S	T	A	V	A	P	E	R	S	A	L	I	R	E
4	8	5	14	16	1	17	2	11	6	12	15	3	10	9	13	7

The message will then be coded with a double transposition from a table made up as indicated above.

4. Messages to be coded in the present cipher should, for safety, be composed of no less than 150 letters and no more of 500 letters in length. Common phrases should be avoided. The end of the message will be indicated with a phrase as : "arrivederci," "ciao", etc ("so long," "good-bye" etc.)
5. Before making the transposition above-mentioned, it is necessary to re-write the message between two safety groups. These groups shall be formed of at least five letters without common meaning and will be placed at the beginning and at the end of the message. The last one shall contain letters different from the ones contained in the initial group. Letters seldom employed should not be used. These groups will contain the number of letters necessary to make:-

- (a) the total of letters in the message be a multiple of 5,
- (b) to have a good proportion between the letters,

The empty spaces in the last line of the table should never be filled up.

Example:- "The system of cipher in use resembles the British Playfair method, but utilises a numerical code instead of an alphabetical transposition stop the key is obtained from a book, the phrase used being indicated by a key figure which details the book page and line H B S R V T".

First Table.

The message with its safety letters shall there be written horizontally under the figures of the key phrase as follows:-

- 2 -

	O	H	E	S	T	A	V	A	P	E	R	S	A	L	I	R	E
	4	8	5	14	16	1	17	2	11	6	12	15	3	10	9	13	7
1	T	H	E	S	Y	S	T	E	M	O	F	O	I	P	H	E	R
2	I	N	U	S	E	R	E	S	E	M	B	L	E	S	T	H	E
3	B	R	I	T	I	S	H	P	L	A	Y	F	A	I	R	M	E
4	T	H	O	D	B	U	T	U	T	I	L	I	S	E	S	A	N
5	U	N	E	R	I	C	A	L	O	O	D	E	I	N	S	T	E
6	A	D	O	F	A	N	A	L	P	H	A	B	E	T	I	O	A
7	L	T	R	A	N	S	P	O	S	I	T	I	O	N	S	T	O
8	P	T	H	E	K	E	Y	I	S	O	B	T	A	I	N	R	D
9	F	R	O	M	A	B	O	O	K	T	H	E	P	H	R	A	S
10	E	U	S	E	D	E	E	I	N	G	I	N	D	I	O	A	T
11	E	D	B	Y	A	K	E	Y	F	I	G	U	R	E	W	H	I
12	C	H	D	E	T	A	I	L	S	T	H	E	B	O	O	K	P
13	A	G	E	A	N	D	L	I	N	E	H	E	R	S	V	T	

Second Table.

The first table being made, the second one is made up with the same numerical heading of each column. The first transposition is obtained by reading down the page, the columns in the order of figures placed at the head of each one, and writing the letters horizontally along the lines of the second table, viz: the letters of column headed with No. 1 are to be written along the first line of the second table containing, if necessary, along the second line; the letters of column 2 follows, and so on, until the total of letters of the first table be transposed to the second table as follows:-

- 3 -

	4	8	5	14	16	1	17	2	11	6	12	15	3	10	9	13	7
1	S	R	S	U	O	N	S	E	B	B	K	E	D	E	S	P	U
2	L	L	O	I	O	I	Y	L	I	I	E	A	S	I	E	O	A
3	P	D	R	E	S	T	I	B	T	U	A	L	P	F	E	E	O
4	A	E	U	I	O	E	O	R	H	O	S	B	D	E	O	M	A
5	I	O	H	I	O	T	O	I	T	E	R	E	E	N	E	A	O
6	D	S	T	I	P	H	N	R	H	M	D	T	T	R	U	D	H
7	G	H	T	R	S	S	I	S	N	R	O	W	O	V	P	S	I
8	E	N	T	N	I	H	I	E	O	R	M	E	L	T	C	P	S
9	S	K	N	F	S	N	F	B	Y	L	D	A	T	B	H	I	G
10	H	H	E	H	M	A	T	O	T	E	A	A	H	K	T	S	S
11	T	D	R	F	A	E	M	E	Y	E	A	O	L	F	I	E	B
12	I	T	E	N	U	E	R	Y	E	I	B	I	A	N	K	A	D
13	A	T	N	T	E	H	T	A	A	P	Y	O	E	E	I	L	-

Trial Transposition.

8. The final transposition is obtained by reading downwards the columns of the second table in the order in which they are numbered and writing the letters in groups of five, ready for transmission.

Group Indicator.

9. The message is numbered with a group indicator of four figures. This is made up as follows:-

- The first two figures represent the number of line from which the key phrase has been taken.
- The two last figures represents the number of line from which the key phrase has been taken.

To the group of four figures thus obtained shall be added without carrying forward the figures of personal number. The result is the group indicator.

Example : Page 41, line 4 4104
 Plus personal number 5248

 9342

- 4 -

This group indicator is to be placed at the beginning of the ciphered message. At the end of the message the total number of letters in the message should be given followed by a repetition of the group indicator.

Coded Message.

10. According to what is said above the coded message to transmit is:-

9349 (Key)

NITET	NSHMA	KHEEL	BRIRS	EBGEY	ADSPD	ETOLT	HIAES	LEAID
QESHT	IABOR	UHPTT	NEREN	BIUOE	MRRIE	KIPUA	CAOHI	SGSHD
ELIED	SHHGH	DTFSE	EOEUP	CHETK	LEIBE	NRVTE	KENEB	ITHTH
NOYTY	EARGA	SRDCH	DAABY	FOEMA	DPFIS	KAIHI	BILIR	PHITH
TRALB	KHWEA	ACIOG	OSCOF	SIRBA	UESYI	OGNII	FTMBT	220 9349

11. A strict record is to be kept of the group indicator used and none of them is to be used twice. The key phrases used shall have different length as often as possible.

12. Decoding Operations. - To decode, reverse operation used to cipher.

13. The key phrase is reconstructed subtracting without carrying forward the personal number from the group indicator, and taking out from the book the key phrase indicated from the resulting group of 4 figures. The letters of the key phrase are then to be numbered in the same way used for coding. the size of the required table is obtained by dividing the number of letters composing the message by the number of letters of the key phrase.

14. Scheme. - Accordingly, the above-mentioned example : -

Determining group	9342
Minus personal number	5248

	4104

(1st example: page 41, line 4) "CHE STAVA PER SAILRE"; the scheme has 17 column as the key phrase is composed of 17 letters.

Number of letters composing the message $\frac{220}{17} = 12.94$; that is, 12 lines plus 16 letters. Accordingly the table is drawn with 13 lines, the thirteenth of which has the last square blank.

- 5 -

15. The letters of the coded message shall then be written in the table beginning to write vertically from column 1 and going on with column 2, etc. When completed all squares of the table should be filled up except the last one of the final line.

16. After the first and second identical table has to be drawn, the letters from the first table shall be transferred to the squares of the second one reading horizontally along the lines of the first table and writing vertically along the columns of the second one, following the order of figures written at the head of each column (as per first table).

17. Message. - The original message is obtained reading horizontally along lines of this table excluding the safety letters placed at the beginning and end of the message.

27.9

SERGHATISSIMO

CORRANNO I M T 2

- METODO DEL LIBRO -

I°) - Il corrispondente è provvisto di una rivista od altro libro e di un numero personale composto di 4 cifre.

OPERAZIONI DI CIPRATURAFRASE CHIAVE

II°) - Per cifrare un messaggio è necessario in primo luogo scegliere una frase chiave del libro. Questa frase dev'essere costituita dalle prime parole di una riga delle prime 99 pagine e la lettera finale della frase chiave dev'essere l'ultima lettera della parola contenente la quindicesima lettera.

ESEMPIO: Pag. 37, linea 5 della prestabilita lettera del libro:
"COSI' TACENDO CAMMINAVA VERSO LA..." etc. La parola CAMMINAVA contiene la quindicesima lettera della linea in modo che la frase chiave sarà;
"COSI' TACENDO CAMMINAVA" che ha 20 lettere.

III°) - Le lettere della frase chiave devono quindi essere numerate nel loro ordine alfabetico. Quando una lettera ricorre più volte nella frase, la numerazione è continuata da sinistra a destra come nel caso di "A" e "C" sotto descritti:

C O S I T A C E N D O C A M M I N A V A
5 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Il messaggio dovrà quindi ~~essere~~ essere cifrato con una doppia trasposizione in uno schema costruito come più appresso indicato.

IV°) - I messaggi nel cifrario di cui trattasi devono, per sicurezza, essere non minori di 150 lettere e non devono essere superiori a 500 lettere in lunghezza. Le frasi usuali devono essere evitate. La fine del messaggio dev'essere indicata con una frase "arrivederci", "ciao" etc.

V°) - Per procedere alla trasposizione di cui sopra bisogna trasdividere il messaggio fra due gruppi di lettere di sicurezza. Questi gruppi devono essere costituiti almeno di 5 lettere senza significato comune, e devono essere posti in principio ed in fine del testo. Quello scritto alla fine deve contenere lettere diverse da quelle del gruppo scritte al principio. Non devono essere usate lettere poco correnti.

Tali gruppi devono contenere un numero di lettere tale che: a) il totale delle lettere del messaggio sia multiplo di 5, b) ci sia una buona proporzione fra le lettere e gli spazi vuoti nell'ultima linea dello schema. Questa linea non deve essere mancante.

ESEMPIO:

"ETIANNA" Giunto qui la scorsa settimana, punto Bene ricevuto dagli amici che voi sapete e ospite di essi attualmente punto Info-rmatemi se riceverete questo messaggio e fatevi avere ordini al più presto arrivederci "SRETNOE"

2728

/.

PRIMO SCHEMA

Il messaggio con le sue lettere di sicurezza deve quindi essere scritto orizzontalmente sotto i numeri della frase chiave come qui di seguito:

C	O	S	I	T	A	C	E	N	D	O	C	A	M	M	I	N	A	V	A
5	16	18	10	19	1	6	9	14	8	17	7	2	12	13	11	15	3	20	4
E	T	I	A	N	H	G	I	U	N	A	T	O	Q	U	I	L	A	S	O
R	S	A	S	E	T	T	I	U	M	A	N	A	G	U	I	T	O	B	E
H	R	I	V	O	I	S	A	P	O	E	L	O	N	I	S	I	C	I	O
E	S	S	T	O	I	A	T	A	E	M	I	S	S	R	I	P	U	E	N
I	E	N	T	E	Q	U	E	S	T	O	R	R	I	S	A	G	I	O	E
A	T	T	E	R	M	E	S	T	O	R	R	I	S	A	G	I	O	E	E
U	P	R	E	S	T	O	A	R	R	I	S	A	G	I	O	E	E	E	E
E	T	H	O	E															

SECONDO SCHEMA

Fatto il primo schema si proceda al secondo schema che è costruito con la medesima intestazione numerica delle colonne del primo. La prima trasposizione è effettuata leggendo verso il basso le colonne nell'ordine dei numeri posti in testa e scrivendo le lettere orizzontalmente lungo le linee del secondo schema, per esempio le lettere della colonna intestata col n° 1 sono scritte lungo la prima linea del secondo schema ~~continuuando~~ continuando, se necessario, nella seconda; le lettere della colonna 2 seguono, e così avanti finché la totalità delle lettere del primo schema sia trasposta nel secondo schema, come qui di seguito:

5	16	18	10	19	1	6	9	14	8	17	7	2	12	13	11	15	3	20	4
H	T	V	S	T	M	E	A	T	Q	P	L	O	N	E	I	S	D	E	R
C	E	N	V	O	L	E	I	O	N	C	P	I	O	R	F	I	A	P	E
E	S	I	R	A	V	S	O	T	U	A	E	R	S	R	I	O	T	A	G
S	E	R	A	V	S	O	T	U	A	E	R	S	R	I	O	T	A	G	U
E	R	M	E	S	T	E	P	N	S										

TRASPOSIZIONE FINALE

VIII°- La trasposizione finale è effettuata leggendo verso il basso le colonne del secondo schema nell'ordine in cui sono numerate e scrivendo le lettere in gruppi di cinque pronte per la trasposizione.

GRUPPO INDICATORE

IX° - Il messaggio viene individuato con gruppo indicatore di quattro cifre. Questo è costruito come segue:

SECONDO SCHEMA

Fatto il primo schema si procede al secondo schema che è costruito con la medesima intestazione numerica delle colonne del primo. La prima trasposizione è effettuata leggendo verso il basso le colonne nell'ordine dei numeri posti in testa e scrivendo le lettere orizzontalmente lungo le linee del secondo schema, per esempio le lettere della colonna intestata col n° 1 sono scritte lungo la prima linea del secondo schema ~~continuando~~, se necessario, nella seconda; le lettere della colonna 2 seguono, e così avanti finché la totalità delle lettere del primo schema sia trasposta nel secondo schema, come qui di seguito:

5	16	18	10	19	1	8	14	8	17	7	2	12	13	11	15	3	20	4	
H	C	E	S	E	R	R	E	S	T	L	O	R	S	R	I	A	U	I	U
5	16	18	10	19	1	8	14	8	17	7	2	12	13	11	15	3	20	4	
H	C	E	S	E	R	R	E	S	T	L	O	R	S	R	I	A	U	I	U

TRASPOSIZIONE FINALE

VIII. La trasposizione finale è effettuata leggendo verso il basso le colonne del secondo schema nell'ordine in cui sono numerate e scrivendo le lettere in gruppi di cinque pronte per la trasposizione.

GRUPPO INDICATORE

- IX. - Il messaggio viene individuato con gruppo indicatore di quattro cifre. Questo è costruito come segue:
- a) - le prime due cifre rappresentano il numero della pagina della quale è stata tolta la frase chiave;

./.

E E P I R
 E E P I R
 V O I I
 E I A C
 O G I R
 I G N E
 I R A I D
 E S S D E
 I S S R V
 I E O I
 A M M E R
 A E O R R
 U T T E A
 T A S V O
 T M E A T
 A R U I S E
 I O Q M E O
 S E E R N
 S M T T T T
 E I E A U E

totalità delle lettere
schema, come qui di seguito:

4	B	H	E	T	T	I	U	R	V	D
20	S	E	E	T	X	G	E	S	I	I
3	E	R	G	U	C	N	T	A	E	
15	D	E	A	P	P	E	C	I	O	
11	S	R	O	T	I	A	I	E		
13	E	I	O	I	M	E	I	O	S	
12	N	F	V	I	T	P	E	I		
2	O	R	S	R	L	A	U	I	U	
7	L	O	A	E	O	N	T	M	R	
17	P	I	T	M	E	L	I	E	A	
18	Q	Q	A	M	M	D	O	A	I	
14	T	N	U	L	Q	I	A	N	E	
9	A	O	T	T	O	A	R	T	E	
6	E	I	G	D	I	R	R	T	N	
1	M	L	E	A	O	T	O	P	N	
19	T	O	U	N	C	S	E	T	R	S
10	S	V	A	V	S	I	A	T	E	P
18	U	N	E	R	A	U	E	N	E	E
16	T	E	I	S	A	U	O	S	E	E
5	N	C	E	S	E	R	M	E	S	T

TRASPOSIZIONE FINALE

VIII.- La trasposizione finale é effettuata leggendo verso il basso le colonne del secondo schema nell'ordine in cui sono numerate e scrivendo le lettere in gruppi di cinque pronte per la trasmissione.

GRUPPO INDICATORE

7.

4.

b)- Le due ultime cifre rappresentano il numero delle righe della quale la frase chiave è stata tolta.
Al gruppo di quattro cifre così ottenuto devono essere sommate, senza riporto, le cifre del numero personale. Il risultato è il gruppo indicatore.

ESEMPIO

Perciò.....	3705
più numero personale.....	2845
	5540

Questo gruppo indicatore deve essere posto all'inizio del messaggio cifrato. Alla fine del messaggio deve essere posto il numero delle lettere del messaggio cifrato seguito dalla ripetizione del gruppo indicatore.

MESSAGGIO CIFRATO

Xo)-Pertanto il messaggio cifrato da trasmettere viene ad essere:

5540	ALMAO	TORNO	RSRIA	UIVER	GUONE	ANBIE	TIURY	DICES
LEMS	TEIGD	IAETH	LOABO	WEMO	CANMO	GAIAO	TTOAR	TESVA
VSIAT	EPORO	TIAT	INWVI	TPERI	TIOLM	TIOST	NULOI	ANDEE
APPOG	LOTET	SAUOS	WEPIT	MIIE	AVNER	AUEND	ETOUN	OSETR
SSERT	GESII	175						5540

XI)-Bisogna tener sempre nota dei gruppi indicatori usati e nessun gruppo indicatore può essere usato due volte. Le frasi chiave usate dovranno essere di varie lunghezze il più spesso possibile.

OPERAZIONE DI DECIFRATURA

XII)- Per decifrare, le operazioni sono l'inverso di quelle per cifrare.

FRASE CHIAVE

XIII)- La frase chiave viene ricostruita sottraendo senza riporto il numero personale dal gruppo indicatore ed estraendo dal libro la frase chiave indicata dal risultante gruppo di 4 cifre.
Le lettere della frase chiave devono essere allora numerate nello stesso senso di quando si cifra. La misura dello schema richiesto è calcolata dividendo il numero delle lettere del messaggio per il numero delle lettere della frase chiave.

SCHEMA

XIII)- Quindi nell'esempio di cui sopra:

Indicatore.....	5540
meno numero personale.....	2845
resta.....	3705

(1° esempio pag. 37 linea 05) "COSI' TACENDO CAMMINAVA". Lo schema ha quindi 20 colonne dato che la frase chiave è composta di 20

Esercizio.....
più numero personale.....

3705
2845
5540

Questo gruppo indicatore deve essere posto all'inizio del messaggio cifrato. Alla fine del messaggio deve essere posto il numero delle lettere del messaggio cifrato seguito dalla ripetizione del gruppo indicatore.

MESSAGGIO CIFRATO

X°)-Pertanto il messaggio cifrato da trasmettere viene ad essere:

5540	MELO	TORNO	BERLA	UIUER	GUONT	AMME	TIURV	DIOSN
MRMS	TRIGD	IRTH	LOABO	NEBRO	GAMMO	OLIAO	TTOAR	TESVA
VSIAT	EPORO	TILAI	INPVI	TPSEI	BICIM	ETOST	NULQI	AVIDE
APPG	ISTEI	SAUCS	FRIT	MIIC	AVNER	AUENE	ETOUN	CSSTR
SEET	GESII	175						5540

XI°)-Bisogna tener sempre norma dei gruppi indicatori usati e nessun gruppo indicatore può essere usato due volte. Le frasi chiave usate dovranno essere di varie lunghezze il più spesso possibile.

OPERAZIONE DI DECIFRATURA

XII°)- Per decifrare, le operazioni sono l'inverso di quelle per cifrare.

FRASE CHIAVE

XIII°)- La frase chiave viene ricostruita sottraendo senza riporto il numero personale dal gruppo indicatore ed estraendo dal libro la frase chiave indicata dal risultante gruppo di 4 cifre.

Le lettere della frase chiave devono essere allora numerate nello stesso senso di quando si cifra. La misura dello schema richiesto è calcolata dividendo il numero delle lettere del messaggio per il numero delle lettere della frase chiave.

SCHEMA

XIII°)- Quindi nell'esempio di cui sopra:

Indicatore..... 5540

meno numero personale..... 2845

resta..... 3705

(1° esempio pag. 37 linea 05) "COSI' FACENDO CAMMINAVA". Lo schema ha quindi 20 colonne dato che la frase chiave è composta di 20 lettere.

Poiché il numero delle lettere del messaggio è 185, il numero delle linee richieste è: 185 diviso per 20 cioè 9 linee più 5 lettere. Pertanto lo schema è disegnato con dieci linee, delle quali gli ultimi quadratini sono depennati perché devono restare vuoti.

./.

XV° -)

Le lettere del messaggio cifrato devono essere quindi poste nello schema cominciando a scrivere verticalmente nella colonna intestata col n°1 poi nella colonna intestata col n°2 e così via. Quando si è ultimata la scrittura delle lettere, tutti i quadratini dello schema devono essere occupati ad eccezione degli spazi vuoti nell'ultima linea.

XVI° -)

Dopo bisogna disegnare un secondo schema identico al primo. Le lettere del primo schema devono essere trasportati nelle caselle del secondo schema leggendo orizzontalmente lungo le linee del primo e scrivendo verti-calmente nelle colonne del secondo, seguendo l'ordine delle cifre scritte in testa alle colonne (come per il primo schema)

TESTO

XVII° -)

Il messaggio originale é ora ottenuto leggendo orizzontalmente lungo le linee di questo schema e non tenendo conto delle lettere di sicurezza poste al principio ed alla fine.

ELenco DI DISTRIBUZIONE DELLE PUBBLICAZIONI SEGRETE APPRONTE DOPO
L'ARMISTIZIO E DATA DI ENTRATA IN **VIGORE**

1°) - Chiavi - Macchina cifrante

MARINA TARANTO

MARINA BRINDISI

MARINA LA MADDALENA

MARICORSICA

MARINA CAGLIARI

22 Settembre 1943

MARINA LERO - Sospeso impiego a richiesta del C.do Anglo - Americano

2°) - 2^a Cifratura Codice operativo

MARINA BRINDISI)

INCR. SCIPIONE)

CORV. FENICE)

" SPINCE)

" CHIMERA)

" SIBILLA)

" POMONA)

" BABALONETTA)

13 Settembre 1943

MARINA TARANTO)

MARINA BARI)

C.T. GRANATIERE)

TORP. ABBA)

TORP. AFETUSA)

TORP. CASSIOPEA)

TORP. CLIO)

TORP. COSENZ)

TORP. GIOVANNINI)

TORP. MONZAMBANO)

TORP. FILO)

TORP. SIRIO)

TORP. SAGITTARIO)

17 Settembre 1943

27.4

MARICORSICA

MARINA CAGLIARI

MARINA IERO - Sospeso impiego a richiesta del C.do Anglo - Americano

20) - 2^a Cifratura Codice operativo

MARINA BRINDISI)

INCR. SCIPIONE)

CORV. FENICE)

" SPINGE)

" CHIMERA)

" SIBILLA)

" POMONA)

" BABALONETTA)

13 Settembre 1943

MARINA TARANTO)

MARINA BARI)

C.T. GRANATIERE)

TORP. ABBA)

TORP. APETUSA)

TORP. CASSIOPEA)

TORP. CLIO)

TORP. COSENZ)

TORP. GIOVANNINI)

TORP. MONZAMBANO)

TORP. PILO)

TORP. SIRIO)

TORP. SAGITTARIO)

TORP. T.1.)

TORP. T.5.)

17 Settembre 1943

27.4

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2

CORV. POLAGA)
CORV. GRU) 27 Sett. 1943

17 Settembre 1943

CORVETTA DELIADE)
CORVETTA FLORA)
CORVETTA SCIMITARRA)
CORVETTA URANIA)
N.A. LUBIANA)
N.A. BARLETTA)

29 Settembre 1943

MARINA LA MADDALENA)
MARINA CAGLIARI)
CORV. IBIS)
CIST. TIRSO)

3°) - Chiavi del Cifrario Generale

MARINA TARANTO)
MARINA BRINDISI)
MARINA BARI)
MARINA OTRANTO)
MARINA GALLIPOLI)
MARINA CROTONE)
INCR. SCIPIONE)
C.T. GRANATIERE)
TORP. ABBA)
TORP. ARETUSA)
TORP. CASSIOPEA)
TORP. CLIO)
TORP. MONZALIBANO)
TORP. SIRIO)
TORP. SAGITTARIO)
CORV. BAIONETTA)
CORV. CHIMERA)
CORV. DRIADE)
CORV. FENICE)

CORV. URANIA)
N.A. BARLETTA) 20/9/43
N.A. LUBIANA)
MARINA CAGLIARI)
MARINA MADDALENA)
MARINA P. TORRES) 29/9/43
MARINA OLBIA)
CORV. IBIS)
CIST. TIRSO)

20 Settembre 1943

27.3

29 Settembre 1943

30) - Chiavi del Cifrario generale

N.A. LUBIANA)
N.A. BARLETTA)MARINA LA MADDALENA)
MARINA CAGLIARI)
CORV. IBIS)
CIST. TIRSO)CORV. URANIA)
N.A. BARLETTA) 20/9/43
N.A. LUBIANA)MARINA CAGLIARI)
MARINA MADDALENA)
MARINA P. TORRES) 29/9/43
MARINA OLBIA)
CORV. IBIS)
CIST. TIRSO)

20 Settembre 1943

27.3

MARINA TARANTO)
MARINA BRINDISI)
MARINA BARI)
MARINA OTRANTO)
MARINA GALLIPOLI)
MARINA CROTONE)
INCR. SCIPIONE)
C.T. GRANATIERE)
TORP. ABRA)
TORP. ARETUSA)
TORP. CASSIOPEA)
TORP. CLIO)
TORP. MONZAMBANO)
TORP. SIRIO)
TORP. SAGITTARIO)
CORV. BALONETTA)
CORV. CHIMERA)
CORV. DRIADE)
CORV. FENICE)
CORV. FLORA)
CORV. POMONA)
CORV. SCIMITARRA)
CORV. SFINGE)
CORV. SIBILLA)

4°) - 2ª cifratura e nuove chiavi per il cifrario generale già distribuito a tutte le Autorità ed Unità di cui al n°3 - Entrerà in vigore all'ordine di Supermarina.

5°) - Parole di riconoscimento R.T.

Alle stesse Autorità ed Unità di cui al n°2.

Sono entrate in vigore il giorno 13 Settembre 1943 per

le seguenti Autorità ed Unità

MARINA BRINDISI

INCR. SCIPIONE

CORV. FENICE

CORV. SPINCE

CORV. CHIMERA

CORV. SIBILLA

CORV. POMONA

CORV. BALONETTA

1943.

Per tutte le altre sono entrate in vigore il 1° ~~O~~ttobre

SECRET

/ta

ALLIED MILITARY MISSION - OUTGOING MESSAGE

SVC/RELAY NR:

CLASS: SECRET

PREC: URGENT

FROM: FATIMA

TO: FREEDOM

M/C NR:

REF. NO. 254

FILED: 032249H

REC'D:

see also 18

7 at

110 ✓

YOUR ONE SEVEN ZERO TWO DATED ZERO ONE ONE ONE FIVE NINE A REPEAT ABLE PD TO FREEDOM
FOR CHIEF SIGNAL OFFICER FROM HENDERSON SIGNED MACFARLANE PD ONE PD ARMY USING
 ANAGRAMMATIC SYSTEM TO LEROS CORSICA SARDINIA ONLY OTHER TRANSMISSIONS FORBIDDEN PD
 ITALIAN ESTIMATE TWO HOURS SECURITY ONLY PD DISTRIBUTION OF KEYS TO ABOVE THREE PLACES
 SUBSEQUENT TO ONE ZERO SEPTEMBER TAKEN INTO USE TWO ZERO SEPTEMBER BUT BREAKING
 WITHIN TWO HOURS NOT DEPENDENT ON POSSESSION OF KEY PD ARMY STATE ONLY SITUATION REPORTS
 AND QUITE UNIMPORTANT TRAFFIC PERMITTED AND WILLING TO ACCEPT ANY TRAFFIC SUPERVISION PD
TWO PD NAVY COMMUNICATIONS APPEAR AS SECURE AS NORMALLY PD USING MACHINES AND BOOK CIPHERS
 WITH NEW KEYS DISTRIBUTED SINCE ARMISTICE TO ADDRESSES WITHIN ALLIED CONTROL ONLY PD
THREE PD AIR FORCE NOT USING ANY CIPHER PD STATE ONLY UNIMPORTANT MESSAGES BEING SENT
 IN CLEAR APPROVED HERE FOR TRANSMISSION BY ITALIAN AIR SUPREME COMMAND AND AVAILABLE
 FOR INSPECTION BY ROYAL AIR FORCE STAFF PD CIPHER OFFICER NOT NECESSARY TO OBTAIN ABOVE
 INFORMATION BUT WILL BE ACCEPTED FOR SUPERVISION OF SYSTEM CMA INVESTIGATION PRE DASH
 ARMISTICE EQUIPMENT AND METHODS CMA STUDY OF EXTENT TO WHICH OUR CIPHERS WERE BROKEN
 PD DETAILS IN LETTER

DISTRIBUTION:

- 1 - AG Files
- 1 - Diary
- 1 - Col. Henderson ✓

AUTHENTICATED:

FRANK A. RAHTER
 1st Lieut., AGD
 Adjutant General

27

SECRET

SECRET

Col. Henderson
/drrALLIED MILITARY MISSION - INCOMING MESSAGE

SVC/RELAY NR:

M/C NR: N 28/01

CLASS: SECRET

REF. NO: 1702

PREC: ROUTINE

FILED: 011159A

FROM: GENERAL NICHOLLS

REC'D:

TO: Col. HENDERSON

Considerably concerned over security Italian cipher now in use, particularly in Military communications between Italian High Command and Sardinia and Corsica. FOR HENDERSON FROM GEN NICHOLLS SIGNED CINC. Desire you obtain from Italian Authorities following information earliest possible to be sent this headquarters:

1. Complete description types crypto systems now in use by Italian Army, Air and Navy.
2. Date of issue of all documents particularly keys now in use,
3. Holders of systems now in use to include all Italian units or formations both within and without territory now occupied by Allied. If necessary to assist in getting above information cipher officer will be sent from this headquarters. Advise if required.

DISTRIBUTION:

- 1 - AG Files
- 1 - Diary
- 1 - M/C
- 1 - Col. Henderson

see 2
3

*

27.6

SECRET

0415