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NATIONAL SECURITY AGENCY
WASHINGTON 25, D. C.

Serial: 3913
7 June 1955

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SUBJECT: Report of Communications Security Violations

TO: Chief, Army Security Agency
The Pentagon

1. Attached is the quarterly (January through March 1955) compilation of communications security violations reported to or noted by this Agency which occurred in communications of those Army stations which handle COMINT traffic. You have been furnished completed evaluations of those cryptographic violations which were reported as possible compromises.

2. This report is furnished primarily for guidance in improving the security of COMINT communications. Similar reports are forwarded to Commander, U. S. Air Force Security Service and Chief of Naval Operations. Upon request, additional copies of this report will be provided in sufficient quantity for dissemination to those activities under your Command engaged in COMINT operations.

3. Extracts from this quarterly summary may be classified SECRET if the extracts are restricted to lists of violations which involve messages classified no higher than SECRET. For example, the list of violations committed by an activity which originates messages classified no higher than SECRET may be extracted and forwarded to that activity as SECRET material. The key list is SECRET in classification.

4. This correspondence may be downgraded to SECRET upon removal of Inclosure 1.

FOR THE DIRECTOR:

C. M. MILLER, Jr.
Major AGC
Asst. Adj. Gen.

2 Incls:

1. Communications Security Violations by Army Stations (40)
2. Key List of Army Violations (40)

APPENDED DOCUMENTS
REQUIRE CRYPTOCLEARANCE

~~TOP SECRET CONTROL # 55-1226~~
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~~TOP SECRET~~COMMUNICATIONS SECURITY VIOLATIONS BY ARMY STATIONS

<u>DTG</u>	<u>TRIGRAPH</u>	<u>KEY NO.</u>	<u>REMARKS</u>
<u>USM-2</u>			
<u>JANUARY</u>			
231620Z		8	Encrypted using multiswitch setting 45132 vice 54231
251340Z		8	Encrypted using multiswitch setting 45132 vice 54231
252108Z		8	Encrypted using multiswitch setting 45132 vice 54231
252125Z		8	Encrypted using multiswitch setting 45132 vice 54231
252150Z		8	Encrypted using multiswitch setting 45132 vice 54231

USM-3JANUARY

020447Z	KBX	3d	Broke on CSQZQ vice CSQZO
030700Z	APM	4	Omitted letter in message indicator
042115Z	KIV	3d	Broke on FXRRN vice FXRRQ
101203Z	CLG	6	Broke using trigraph CLC
130055Z	DDK	3c	Broke on PDJBF vice PDJDF
160909Z	LEC	3d	Broke on MDLEO vice ABJFC
171904Z	LFX	3d	Broke on MUGUP vice MUGUL
171908Z	LGC	3c	Broke on EDWUX vice EVWUX
181709Z	EUC	4	Omitted letter in message indicator
181829Z	EVL	3d	Broke on VBWKF vice VBWKX
201222Z	LJK	3d	Broke on ELVLH vice XLVLH
211921Z	GDO	3d	Broke on HDNWK vice HNNWK
210820Z	FTC	7a	Broke on BB vice AA
210822Z	FTT	7a	Broke on BB vice AA
210824Z	FUF	7a	Broke on EE vice AA
210826Z	FUL	7a	Broke on BB vice AA
210828Z	FUT	7a	Broke on BB vice AA
210830Z	FVE	7a	Broke on BB vice AA
210832Z	FVN	7a	Broke on BB vice AA
261015Z	JQG	3d	Broke on IRQXB vice IRQXB
291003Z	LIC	3d	Broke on DILMX vice DILMX
310920Z	MDH	3d	Broke on JVBXU vice RVBXU

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VIOLATIONS (Cont'd)

<u>DTG</u>	<u>TRIGRAPH</u>	<u>KEY NO.</u>	<u>REMARKS</u>
<u>USM-3 (Cont'd)</u>			
<u>FEBRUARY</u>			
061230Z	MSY	3d	Broke on KNPJU vice KGPGU
061510Z	MSN	3d	Broke on QMWOA vice GMWOA
090143Z	MZU	3d	Broke on ZQYML vice UQYML
091548Z	NDF	3c	Broke on MSDTZ vice MSPTZ
100010Z	CYW	3d	Broke on TBZIX vice TBAIX
100456Z	NHP	7a	Broke on AA vice BB
121703Z	NTE	3d	Broke on JZGPS vice JZUPS
140435Z	ECM	6	Broke using trigraph OCM
141359Z	ODW	3c	Broke on WGPBX vice WGPDX
171945Z	OUF	3c	Broke on RTHIU vice RTHIQ
181917Z	GCX	7a	Broke on AA vice BB
192023Z	PBW	3d	Broke on FNRBD vice FNRBW
220930Z	HHY	3a	Broke on ERLXS vice ELRXS
251800Z	IIN	2	Broke on AM rotor arrangement
250857Z	JMW	3d	Broke on DNMSC vice DNMNC
281105Z	JMN	3d	Broke on BTEQU vice XIEQU
280133Z	QDJ	3d	Broke on KBSWE vice HBSWE

MARCH

010012Z	QFN	3d	Broke on ELVNL vice MLVNL
010817Z	ADG	3d	Broke on VLFVS vice VVFVS
041850Z	BCT	3a	Broke on KIJTY vice KITJY
071230Z	RAD	2	Broke on AM rotor arrangement
071832Z	BXM	3d	Broke on DNGOB vice DNGOH
120032Z	DEL	3d	Broke on NZXSZ vice NRXSZ
130326Z	ROT	3d	Broke on PVWWF vice PVWSF
130704Z	DLI	3d	Broke on ORXTF vice OGXTF
131400Z		2	Broke on AM rotor arrangement
131402Z		2	Broke on AM rotor arrangement
131404Z		2	Broke on AM rotor arrangement
151015Z	EBH	3d	Broke on BOBGH vice BOMGH
151315Z	GSW	3d	Broke on CUZLL vice CUZEL
170945Z	EKX	3d	Broke on RGXBP vice RGXIP
170417Z	EJZ	3c	Broke on AEGFF vice AEBFF
241417Z	GKY	4	Added letter to message indicator
250900Z	GOK	3d	Broke on CRQWQ vice CXQWQ
270032Z	HCY	3d	Broke on GAQGV vice GAZGV
280400Z	HKE	3b	Broke on QMGBD vice QMGBE
281706Z	TKK	6	Broke using trigraph TDK

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VIOLATIONS (Cont'd)

<u>DTG</u>	<u>TRIGRAPH</u>	<u>KEY NO.</u>	<u>REMARKS</u>
<u>USM-3 (Cont'd)</u>			
<u>MARCH (Cont'd)</u>			
281716Z	TBY	6	Broke using trigraph TDY
291401Z	TPC	6	Broke using trigraph TFC
310535Z	TKL	3d	Broke on BCWXQ vice BCWXZ

USM-4

JANUARY

011245Z	YEF	5	Alignment UAWIP
011640Z	YFB	7a	Broke on BB vice CC
190630Z	ZBN	3c	Broke on ALTJB vice ALTAB
291410Z	AFC	3d	Broke on ERVGS vice ARVGS
301415Z	AJC	3d	Broke on DQXOI vice DQXOD

FEBRUARY

010935Z	AOK	3d	Broke on AGJND vice AJJND
011500Z	APV	9	Message indicator derived using deciphering procedure
011900Z	APU	7b	Broke on AA vice CC
020600Z	ARQ	3d	Broke on MNZTU vice MBZTU
060733Z	BEO	3d	Broke on NOGBW vice BOGBW
061708Z	BFW	3d	Broke on CFYQK vice ABYQK
260225Z	CUX	3d	Broke on PUXHQ vice PUXHD

MARCH

020345Z	DAV	3d	Broke on ZFUPV vice ZFUPN
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USM-6

MARCH

24 MAR		10	Operator error
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USM-7

JANUARY

060700Z	AFJ	5	Alignment HVGOR
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VIOLATIONS (Cont'd)

<u>DTG</u>	<u>TRIGRAPH</u>	<u>KEY NO.</u>	<u>REMARKS</u>
			<u>USM-8</u>
			<u>MARCH</u>
15 MAR		10	Operator error
20 MAR		10	Operator error
			<u>USM-32</u>
			<u>MARCH</u>
212230Z		11	Malfunction of equipment
			<u>USM-35</u>
			<u>JANUARY</u>
301525Z		10	Maintenance man believed he was in local test position
			<u>ASAA</u>
			<u>MARCH</u>
080840Z		8	Use of multiswitch setting assigned in superseded key list
082130Z		8	Use of multiswitch setting assigned in superseded key list
091850Z		8	Use of multiswitch setting assigned in superseded key list
			<u>ASAE</u>
			<u>JANUARY</u>
170615Z	FTQ	3d	Broke on PGFVO vice NGFVO
190122Z	GGK	3d	Broke on MVHVZ vice MVEVS
240700Z	HOK	3d	Broke on EFDVX vice EFDJX
240450Z	HPN	6	Broke using trigraph HNP
			<u>FEBRUARY</u>
110235Z	DHA	3d	Broke on ZGCNI vice ZGCNT
150825Z	EMG	3b	Broke on UMGJN vice UMGJO

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VIOLATIONS (Cont'd)

<u>DTG</u>	<u>TRIGRAPH</u>	<u>KEY NO.</u>	<u>REMARKS</u>
<u>ASAE (Cont'd)</u>			
<u>FEBRUARY (Cont'd)</u>			
151620Z	EMJ	3d	Broke on OUGQQ vice OWCQQ
210735Z	FLZ	2	Broke on AM rotor arrangement for 22 Feb
261158Z		12	Use of AFSAK 2674

MARCH

040810Z	AVF	3b	Broke on FERIK vice EERIK
080400Z	CAJ	3d	Broke on OMCJE vice HMCJE
161700Z	EEF	6	Broke using trigraph EEF
241940Z	GFQ	4	Added letter to message indicator
242225Z	GGK	3d	Broke on SJQKB vice SJQKR
280317Z	HHT	3d	Broke on FJNWG vice FJNWL

ASAFE

JANUARY

011835Z	AIE	3d	Broke on RWVAY vice LWVAY
071158Z	EZZ	2	10 messages broke on PM rotor arrangement
070754Z	EJV	3d	Broke on JQZLH vice JQZLU
072122Z		10	Clear text tape transmission
081633Z	FZS	3c	Broke on QXCVQ vice QXCDQ
120539Z	IUF	3d	Broke on ALUFD vice ABUFD
130039Z	JKC	3d	Broke on EKSTB vice MKETB
130215Z	JMO	3b	Broke on TKYZZ vice TJYZZ
140645Z	KBL	3d	Broke on CRZVI vice CRVZM
140646Z	KIG	3b	Broke on GSEUX vice GSFUX
170417Z	MAM	3a	Broke on VMLFW vice VMFLW
130227Z	JMU	3d	Broke on WJHKV vice WJLKV
240856Z	QBP	9	Message indicator derived using deciphering procedure
301529Z	SYM	3c	Broke on QDUSN vice QZUSN

FEBRUARY

100115Z	EHA	3a	Broke on RMQYL vice RMQLY
11 FEB		10	Telephone conversation
110601Z	EYS	4	Omitted letter in message indicator
270015Z	MPO	3d	Broke on WOYBN vice SOYBN

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<u>DTG</u>	<u>TRIGRAPH</u>	<u>KEY NO.</u>	<u>REMARKS</u>
<u>ASAFE (Cont'd)</u>			
<u>MARCH</u>			
090031Z	CCE	3d	Broke on GMPYY vice GMSYY
120005Z	DDS	3a	Broke on IZFLI vice IZLFI
211402Z		2	Broke on AM rotor arrangement
271241Z	ICG	3d	Broke on YLYSR vice YLYSK
280253Z	IDY	3d	Broke on CFDPG vice CSDFG
290645Z	IKF	3d	Broke on PWEVQ vice PHEVQ
301151Z	ITM	3d	Broke on OHVUU vice OHVBU
301749Z	IYX	3d	Broke on QZNHZ vice QZNMZ
311525Z	JHK	3d	Broke on NPPVO vice NPPYO

ASAALMARCH

092106Z	AHQ	3b	Broke on AUXEL vice AVXTL
092128Z	AHS	3d	Broke on LDEQA vice EEEQF
201926Z	ASP	3d	Broke on LLBHD vice LLBHO

ASAWJANUARY

112102Z		1	Reuse of rotor arrangement from DAPHNE key list
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337TH CRCMARCH

030145Z		1	Reuse of rotor arrangement and rotor alignment from DAPHNE key list
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501ST CRGJANUARY

190500Z	AFA	2	Broke on PM rotor arrangement
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FEBRUARY

170216Z	AWA	4	Omitted letter in message indicator
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<u>DTG</u>	<u>TRIGRAPH</u>	<u>KEY NO.</u>	<u>REMARKS</u>
<u>501ST (Cont'd)</u>			
<u>FEBRUARY (Cont'd)</u>			
221241Z	CRQ	2	Broke on AM rotor arrangement
221955Z	CYA	3d	Broke on CYADZ vice CYADN
251617Z	DOR	3b	Broke on ZMVZH vice ZMUZH
252146Z	DPX	3b	Broke on CPRRC vice CQRR
<u>MARCH</u>			
010125Z	ABB	3d	Broke on ZGNAO vice ZGNAQ
021340Z	AHV	3d	Broke on MVWKA vice MVWKK
030024Z	ALE	4	Omitted letter in message indicator
041050Z	ART	2	Broke on PM rotor arrangement
041052Z	ARV	2	Broke on PM rotor arrangement
041053Z	ARZ	2	Broke on PM rotor arrangement
041802Z	AUQ	3d	Broke on QLHQP vice QDHQP
041909Z	AVQ	4	Omitted letter in message indicator
050600Z	BAI	2	Broke on PM rotor arrangement
061031Z	BFM	2	Broke on PM rotor arrangement
080908Z	OJF	3d	Broke on IFQUW vice IFQUH
090942Z	BRX	3d	Broke on XZEBU vice XZWBU
101830Z	BWS	3d	Broke on SEWLZ vice AHWLZ
120635Z	CIP	3d	Broke on GSFGK vice HDFGK
140148Z	DIP	3c	Broke on NJXOT vice NJXOP
140651Z	DKX	3d	Broke on BKGDP vice BFGDP
160457Z	DZE	3d	Broke on SLXQU vice SLXGU
180040Z	EOA	3d	Broke on IPPEI vice IPGPG
181248Z	EHT	6	Broke using trigraph EPT
190248Z	EYI	3d	Broke VBWDH vice VBIDH
190355Z	EYR	3d	Broke on YIKAF vice YIKAR
191430Z	EZY	3d	Broke on CENNZ vice LENNZ
201150Z	FGL	2	Broke on PM rotor arrangement
201845Z	FHM	3d	Broke on CKSSD vice CWFSD
210016Z	FIW	3d	Broke on PRTBX vice PUUBX
210809Z	FLU	3d	Broke on KWUIR vice KWUIR
220448Z	NNI	3d	Broke on SGKVK vice FGKVK
220526Z	FNQ	3d	Broke on JEGNS vice JEQNS
250230Z	GCD	9	Message indicator derived using deciphering procedure
250232Z	GCF	6	Broke using trigraph GCP
250835Z	GEK	3a	Broke on HQYDE vice HQDYE
252031Z	GET	3c	Broke on GPAGG vice GPAGC
262101Z	GMI	3d	Broke on DMIGC vice DMIGS

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VIOLATIONS (Cont'd)

<u>DTG</u>	<u>TRIGRAPH</u>	<u>KEY NO.</u>	<u>REMARKS</u>
<u>501ST CRG (Cont'd)</u>			
<u>MARCH (Cont'd)</u>			
270132Z	GRI	3c	Broke on DEXAI vice BEXAI
270720Z	GOP	3d	Broke on XIHSF vice XIHUF
272050Z	GSI	3d	Broke on AGQPJ vice APQPJ
280105Z	GWZ	2	Broke on PM rotor arrangement
290650Z	RSU	6	Broke using trigraph GYU
282208Z	GXF	3d	Broke on GWXGC vice GWOGC
290005Z	GXU	3d	Broke on DONHX vice SONHX
291305Z	HAO	3d	Broke on IUKQU vice IUWQU
301734Z	HEX	6	Broke using trigraph HHB
311840Z	HLQ	3c	Broke on RRRTG vice RRRTC

SSO CAMP ZAMA

JANUARY

11 JAN	10	Operator believed he was on room circuit
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SSO CAMP DES LOGES

MARCH

17 MAR	10	Operator believed he was on room circuit
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KEY LIST OF ARMY VIOLATIONS

JAN., FEB., & MAR. 1955

ROTOR ARRANGEMENT

- 1. Use for encipherment of an inappropriate rotor arrangement and/or alignment. (Reference AFSAG 1262, para 5006a(1), and/or AFSAG 1231B, para 6002a(2), and/or AFSAG 1231B, para 6004a(1))
- 2. Use of a rotor arrangement for inappropriate cryptoperiod, day or month. (Reference AFSAG 1262, para 5006a(1))

ROTOR ALIGNMENT AND MESSAGE INDICATOR

- 3. Discrepancy between the message rotor alignment resulting from decipherment of the message indicator and the message rotor alignment actually required to decipher the message, although the latter was correctly derived. The discrepancy involves (a) transposition of letters, (b) substitution of a letter alphabetically adjacent to the correct letter, (c) substitution of a phonetically similar letter, or (d) errors in encipherment.
- 4. Omission or addition of one or more letters to the message indicator.
- 5. Decipherment of the message indicator resulted in a message rotor alignment identical to the final alignment of the previous message. (Reference AFSAG 1262, para 6002a(4))

KEY GROUP

- 6. The trigraphic key-group indicator in the message indicator did not correspond to the key group actually used for encipherment. Reuse of a key group was not involved. (Reference AFSAG 1262, para 5004b)

MACHINE DESIGNATOR AND MULTISWITCH SETTING

- 7. The machine designator in the message indicator did not correspond to the multiswitch setting used for encipherment. The messages were (a) correctly enciphered or (b) incorrectly enciphered. (Reference AFSAG 1262, para 6002a(1))
- 8. Use of an incorrect multiswitch setting. (Reference AFSAG 1262, para 6002a(2), and/or AFSAG 1231B, para 6003a(1), and/or AFSAG 1231B, para 6002a(4))

ENCIPHER-DECIPHER CARD

- 9. Incorrect use of an ORCUS enciphering card to produce a message indicator. (Reference AFSAG 1262, para 5005c)

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ADDITIONAL VIOLATIONS

10. Classified information in the clear.
11. Transmission of classified information in monoalphabetic substitution cipher.
12. Use of an unauthorized cryptosystem to encipher COMINT information.
13. Transmission of a message in which there was faulty rotor stepping during encipherment. (Reference AFSAG 1262, para 6002a(3))

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