File

NATIONAL SECURITY AGENCY
WASHINGTON 25, D. C.

Serial 000548-S
17 Dec 1954

SUBJECT: Report of Communications Security Violations

TO: Chief, Army Security Agency
The Pentagon

1. Attached is the quarterly (July through September 1954) 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 notified of completed evaluations of possible compromises which are reported herein as violations.

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:

GEO E. CAMPBELL
COLONEL, AGC
ADJUTANT GENERAL

2 Incls:
1. Communications Security Violations
by Army Stations.
2. Key List of Army Violations.

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cc: NSA Europe
     NSA United Kingdom
     NSA Far East
     NSA Alaska
     NSA Pacific
     AG
     C/S
     COMSEC (3)
     S/ASST
     COM
     PROD
     06B
     411
     412
     413

M/R: This is a compilation of communications security violations committed
by Army COMINT stations during July, August, and September 1954. A similar
report will be forwarded to CNO and COMDR, USAFSS. ASA furnished 40 copies.

                              J. V. Kelley, 4131-2, 60454/pfa

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COMMUNICATIONS SECURITY VIOLATIONS BY ARMY STATIONS

DTG	TRIGRAPH	KEY NO.	REMARKS
			USM-1
			SEPTEMBER
2 Sept		9	Operator inadvertently placed equipment on line while preparing additional copies of ICR DCR
			USM-3
			JULY
021100Z	AKA	3c	Broke on OODLE vice OODLZ
040659Z	BFW	1	Broke on PM rotor arrangement
081831Z	CHQ	6	Broke using trigraph CHO
121400Z	DMO	1	Broke on AM rotor arrangement
140017Z	DWB	3d	Broke on GFQXB vice GFGXB
190505Z	HWM	3d	Broke on AKCTT vice TKCTT
190810Z	HXF	3d	Broke on DRSDX vice MRKDX
191719Z	GBZ	3d	Broke on HITSZ vice HDTSA
211752Z	G?P	3d	Broke on FRFDQ vice FRFDS
222216Z	HCL	7a	Broke on BB vice AA
			AUGUST
051441Z	CZQ	3d	Broke on UTPFU vice UCNFU
051758Z	CXF	3d	Broke on WVHCS vice MWFCS
161135Z	HDF	3d	Broke on FUVLY vice FUVLT
281030Z	KFQ	3c	Broke on ZTXYC vice ZBXYC
			SEPTEMBER
020854Z	ZEA	3d	Broke on XXYEU vice XXYEZ
220034Z	BCF	3c	Broke on VYZBK vice VYZTK
231936Z	BHD	3d	Broke on TIPSS vice TIUIS
241954Z	BKH	3d	Broke on XVUVZ vice XUUVH
			USM-4
			JULY
022243Z	?YV	3d	Broke on FDXAD vice FDIAD
022345Z	UZG	4	Broke on CNQIP vice WNQIP

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VIOLATIONS (Cont'd)

DTG	TRIGRAPH	KEY NO.	REMARKS
			USM-4 (Cont'd)
			JULY (Cont'd)
032250Z	VHL	3c	Broke on KJRXV vice KJRXT
142050Z	XVQ	3d	Broke on CIJAR vice CIJAY
141530Z	XTW	3d	Broke on YHWRQ vice YHNRQ
160215Z		12	Bump rotor failed
190535Z	YYD	3d	Broke on YNBCQ vice YJBCQ
210541Z	ZKN	3d	Broke on YQWHV vice YQNHL
230003Z	ZWQ	3d	Broke on GCKHN vice GCKWW
230419Z	ZYA	3d	Broke on CQLLO vice CQLFO
251225Z	AKH	3d	Broke on SYSRF vice LYSRF
290130Z	BDO	3d	Broke on CXAUX vice CXUUX
301627Z	BLS	3d	Broke on NLHHL vice NLHRL
301808Z	BMF	3d	Broke on HORPO vice HORPT
311230Z	BQV	3d	Broke on LBQXZ vice LBJXZ
			AUGUST
010900Z	BUQ	3d	Broke on KCIKI vice HEDPH
012318Z	BVP	3d	Broke on SGCNU vice SGCNL
052207Z	DLA	3d	Broke on YBYXJ vice RBYXJ
061000Z	DOO	3d	Broke on XTYYN vice ATYYN
061730Z	DQA	3d	Broke on ULZXU vice GLZXU
061830Z	DQI	3d	Broke on AXLNO vice AXLNF
070105Z	DUG	3d	Broke on DPJPY vice APJPA
070315Z	DVS	3d	Broke on MKTAQ vice MDTAQ
090850Z	ENS	3d	Broke on XDPAL vice GDPAL
100131Z	ERQ	3d	Broke on XHULJ vice XHJLJ
100735Z	ESM	3d	Broke on DEJSE vice DEESE
140255Z	GGZ	3c	Broke on CQZCO vice CQZVO
140346Z	GIB	3d	Broke on LWQCX vice LWECX
141206Z	GLO	3d	Broke on GDAPA vice GDAPP
190310Z		7b	Broke on AA vice BB
200300Z	INH	3b	Broke on XXDBU vice XXEBU
201430Z	IOT	3d	Broke on TTMZB vice TTMZS
250400Z	IYZ	3d	Broke on AXNYS vice AXNYC
290125Z	JSI	3d	Broke on BTAXM vice STAXM
			SEPTEMBER
041950Z	KPF	3c	Broke on GPDRN vice GCDRN
051416Z	KRL	3d	Broke on KBGFG vice KBGNG
060200Z	KSO	3d	Broke on NBQXR vice NMQXR

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<u>VIOLATIONS</u> (Cont'd)

DTG	TRIGRAPH	KEY NO.	REMARKS
			<u>USM-4</u> (Cont'd)
			<u>SEPTEMBER</u> (Cont'd)
061700Z	KTK	3c	Broke on JZLDW vice JCLDW
081000Z	KYC	3d	Broke on GSNER vice GSEER
141445Z	MEU	7a	Broke on AA vice CC
150530Z	MFY	3d	Broke on MEZJZ vice MEAJZ
150930Z	MGM	3d	Broke on PVAOG vice PVAYG
220002Z	MWQ	3d	Broke on JLDIA vice JWDIJ
232205Z	NGE	3d	Broke on HFJDI vice HJJDI
300400Z	OHW	3d	Broke on LIUHD vice LIUHO
301330Z	OLC	3d	Broke on UDQRJ vice UDQRU
			<u>USM-5</u>
			<u>JULY</u>
090010Z	AJH	3c	Broke on EOUHR vice COUHR
090610Z	AKA	3c	Broke on RQUVD vice RQUVG
			<u>SEPTEMBER</u>
010700Z	AEO	7a	Broke on AA vice BB
			<u>USM-7</u>
			<u>SEPTEMBER</u>
241538Z	BLD	3d	Broke on KZEVR vice KZEVT
261955Z		11	TOP SECRET message contained SECRET codeword
			<u>USM-9</u>
			<u>JULY</u>
052130Z	AFG	6	Broke using trigraph AGZ
090855Z	AVW	1	Broke on PM rotor arrangement
101445Z	BCS	6	Broke using trigraph BCU
141125Z	BWF	1	Broke on PM rotor arrangement
170220Z	CKA	3d	Broke on EETGG vice UKTGG
181710Z	CQE	6	Broke using trigraph CQF
210650Z	DEH	6	Broke using trigraph DEM
260207Z	EBI	3d	Broke on OWVJM vice OWVJW
280047Z	BKA	6	Broke using trigraph BKH

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VIOLATIONS (Cont'd)

DTG	TRIGRAPH	KEY NO.	REMARKS
			USM-9 (Cont'd)
			JULY (Cont'd)
290649Z	EAT	6	Broke using trigraph ETA
310140Z		3b	Broke on EBBYH vice DBBYH
			AUGUST
010140Z	FGD	3d	Broke on FSSNC vice FSSNQ
011600Z	FJN	3d	Broke on PZRTJ vice XUMYN
030138Z	FQI	3c	Broke on UASGL vice UASBL
050240Z	GDD	3d	Broke on LQTIM vice LQRIM
130115Z	HOZ	3d	Broke on TOWWU vice TOJXU
131512Z	HXB	3d	Broke on NJXMK vice SJXMK
140949Z	HVU	3c	Broke on YYPJV vice YYPJE
212034Z	JFX	3d	Broke on FMCNW vice FMCNQ
230138Z	JLA	6	Broke using trigraph JLB
250431Z	JWD	3d	Broke on DKHIE vice HKHIE
290042Z	KST	3c	Broke on CMBET vice CMBVT
311420Z	LHK	3d	Broke on SPXNQ vice SDXNP
			SEPTEMBER
082135Z	MRS	3d	Broke on YRMKG vice YRMIG
190627Z	OJR	3d	Broke on JMSWF vice JFSWF
250216Z	PFF	3d	Broke on MAAGS vice MAASS
250220Z	PFV	3d	Broke on XURRT vice XERRT
251331Z	PIP	3d	Broke on JSNHA vice QSNDA
280107Z	PQL	3d	Broke on SIZRE vice SXZRE
300245Z	PZC	6	Broke using trigraph PZD
301307Z	QBH	6	Broke using trigraph QBU
			USM-652
			JULY
030650Z	AJC	3d	Broke on TXUQE vice TXUQX
			USM-676E
			JULY
161325Z	ATY	1	Broke on AM rotor arrangement
			501ST CRG
			JULY
050515Z	AGP	3d	Broke on OJRJY vice OJRJH

VIOLATIONS (Cont'd)

DTG	TRIGRAPH	KEY NO.	REMARKS

501ST CRG (Cont'd)

JULY (Cont'd)

DTG	TRIGRAPH	KEY NO.	REMARKS
100315Z	BIA	1	Broke on 9 July AM rotor arrangement
100325Z	BIC	1	Broke on 9 July AM rotor arrangement
100330Z	BID	1	Broke on 9 July AM rotor arrangement
100610Z	BIE	1	Broke on 9 July AM rotor arrangement
100630Z	BII	1	Broke on 9 July AM rotor arrangement
100630Z	BIK	1	Broke on 9 July AM rotor arrangement
100630Z	BIL	1	Broke on 9 July AM rotor arrangement
100730Z	BIM	1	Broke on 9 July AM rotor arrangement
100730Z	BIO	1	Broke on 9 July AM rotor arrangement
120330Z	BNH	3c	Broke on DANMV vice VANMV
300950Z	CW?	3b	Broke on RFVPC vice PFUPC
301655Z	DAT	3d	Broke on KIPSI vice KISSI
311607Z	DJU	3d	Broke on FNAAM vice FNTZM

AUGUST

DTG	TRIGRAPH	KEY NO.	REMARKS
030100Z	ANE	3d	Broke on VYHVU vice VYHWN
060405Z	BLE	3d	Broke on PWCWA vice PNCWA
061024Z	BOG	13	DTG should read 061824Z
161713Z	CHP	3b	Broke on FDFSV vice FDFTV
180015Z	COB	2	Used key list assigned to NSA
180035Z	COE	2	Used key list assigned to NSA
180040Z	COM	2	Used key list assigned to NSA
180150Z	COV	2	Used key list assigned to NSA
240004Z	CUJ	3a	Broke on IMAEZ vice IAMEZ
240015Z	C?F	3d	Broke on OCFAG vice OCXAG
240208Z	CWH	3d	Broke on FBLDV vice FYLDV
160005Z		9	Keyboard operation

ASA ALASKA

AUGUST

DTG	TRIGRAPH	KEY NO.	REMARKS
270340Z		11	Message classified SECRET contained SECRET codeword

ASA EUROPE

JULY

DTG	TRIGRAPH	KEY NO.	REMARKS
010913Z		9	Defective key tape
101029Z		10	Key tape stuck
151138Z	BJD	5	NGIGM

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VIOLATIONS (Cont'd)

DTG	TRIGRAPH	KEY NO.	REMARKS
			ASA EUROPE (Cont'd)
			JULY (Cont'd)
200006Z	BJQ	3d	Broke on OVMVW vice OVMVR
201735Z		10	No rotors in cipher unit
202001Z		10	No rotors in cipher unit
220254Z	BUJ	7a	Broke on CC vice BB
260805Z	CFG	3d	Broke on HBTIU vice HBKIU
			AUGUST
051325Z		14	Same segment used for 051527Z
			SEPTEMBER
050307Z	CEE	3d	Broke on AKZIG vice RKZIG
091325Z	DTB	3d	Broke on UYNMB vice UENMB
142143Z		10	Tape reel stuck
222020Z	GNQ	3d	Broke on AVCFQ vice AVCFO
221941Z	GMW	3d	Broke on OGJVJ vice OGJYJ
231318Z		9	Keyboard operation
232153Z	HFJ	3d	Broke on SHKPL vice SHKPT
241501Z	AIX	8	Message indicator derived using deciphering procedure
261235Z	HVC	3d	Broke on PWIDY vice HWIDY
261528Z	HVH	3d	Broke on APYUB vice AYYUB
270500Z	HYH	3d	Broke on SGQDA vice SGODA
			ASAFE
			JULY
010852Z	AJ?	3d	Broke on HZGSX vice HZGSK
020536Z	BAC	3b	Broke on AKHFW vice AKHFX
040809Z	CGE	3d	Broke on WFDDT vice WSDDT
080615Z	EFN	3b	Broke on AAVZS vice AAVZT
081651Z	E?C	3b	Broke on SZQFD vice SZQED
120739Z	HDV	3d	Broke on UFWPT vice UUWPJ
121245Z	HFU	3d	Broke on NRIOX vice VCIOX
131825Z	HWX	3d	Broke on DCXSI vice DOXSI
162101Z	KDY	9	Message indicator derived using deciphering procedure
171209Z	KSG	3d	Broke on XOAHJ vice HOAHJ
181907Z	LFD	3d	Broke on GNMWT vice GNWWJ

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VIOLATIONS (Cont'd)

DTG	TRIGRAPH	KEY NO.	REMARKS

ASAFE (Cont'd)

JULY (Cont'd)

DTG	TRIGRAPH	KEY NO.	REMARKS
201939Z	MFE	3b	Broke on LNSLS vice IMSLS
212121Z	MOB	3a	Broke on XUAOI vice XUAIO
220029Z	MPP	6	Broke using trigraph MQP
271839Z	OXE	3d	Broke on NBSRV vice NCHRV
290508Z	PWV	3d	Broke on KJBTX vice KJBTD

AUGUST

DTG	TRIGRAPH	KEY NO.	REMARKS
060512Z		9	Key tape ran out
131545Z	DZI	3a	Broke on USXNL vice UXSNL
140049Z	EFZ	3a	Broke on JUAKJ vice JUAJK
220831Z	GXP	3c	Broke on VKNZG vice VKNTG
220857Z	GXB	3d	Broke on KJSSJ vice DJSSJ
240339Z	IUM	8	Message indicator derived using deciphering procedure
280809Z	LJR	3b	Broke on XXBZX vice XXBZW
290141Z	MBB	3d	Broke on PSHAJ vice PSHAB

SEPTEMBER

DTG	TRIGRAPH	KEY NO.	REMARKS
011418Z	AEU	1	Broke on AM rotor arrangement
011533Z	AMI	3d	Broke on GJTZO vice GJTMO
011631Z	ANI	3d	Broke on EOGFP vice AOGFL
021417Z	BMF	3a	Broke on VCZYJ vice VZCYJ
051251Z	DLI	3d	Broke on UOHFM vice URHFM
081503Z	EGM	3d	Broke on VMJYO vice VMJSO
152059Z	IFY	3c	Broke on KHUPD vice KHUED
171523Z	JLB	3d	Broke on LVJJY vice LVJJM
181459Z	KQI	6	Broke using trigraph KQU
182207Z	KVK	3b	Broke on FVNOM vice EVNOM
190431Z	KXT	3d	Broke on QQHGX vice QQHUX
201927Z	LKI	3d	Broke on JTBRY vice JTBCY
222103Z	MXC	6	Broke using trigraph MXK
290108Z	QLI	3d	Broke on TSWGB vice TSEGB

KEY LIST OF ARMY VIOLATIONS

JULY, AUG., & SEPT. 1954

ROTOR ARRANGEMENT

1. Use of a rotor arrangement for an inappropriate cryptoperiod, day or month. (Reference AFSAG 1262, para 5006a(1))

2. Use of a rotor arrangement from a key list assigned to another station. (Reference AFSAG 1262, para 5003b)

ROTOR ALIGNMENTS AND MESSAGE INDICATORS

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 involved (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. Failure to tail previously enciphered message. (Reference AFSAG 1262, para 6002a(4))

5. The message rotor alignment was transmitted in the clear as the last five letters of the message indicator. (Reference AFSAG 1262, para 6002a(5))

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.

ENCIPHER DECIPHER CARD

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

ADDITIONAL VIOLATIONS

9. Transmission in the clear of classified information.

SECRET

10. Transmission of classified information in monoalphabetic substitution cipher.

11. Revelation of COMINT information to unauthorized personnel.

12. Transmission of a message in which there was faulty rotor stepping during encipherment. (Reference AFSAG 1262, para 6002a(3))

13. Transmission of a message containing an incorrect date-time group.

14. Reuse for encipherment of the same segment of key tape.

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