NATIONAL SECURITY AGENCY
WASHINGTON 25, D. C.

Serial: 000543-S
13 Dec 54

TOP SECRET

SUBJECT: Report of.Communications Security Violations

TO: Chief of Naval Operations (OP-30)
The Pentagon

1. Attached is the quarterly (July through September) compilation of communications security violations reported to or noted by this Agency which occurred in communications of those Navy stations which handle COMINT traffic. Your Office has 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 Chief, Army Security Agency, and Commander, U. S. Air Force Security Service. 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:

E. M. Gibson
Lt Col. AGC
Asst. Adj. Gen

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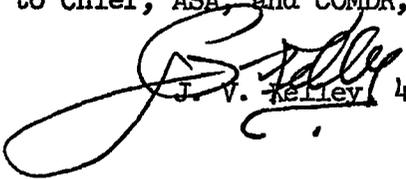1. Communications Security Violations by Navy Stations.
2. Key List of Navy Violations.

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CNO (OP-302)

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PAGE 1 OF 1 PAGES
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413

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

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

TOP SECRET CONTROL # 54-3408 A
PAGE 1 OF 1 PAGES
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COMMUNICATIONS SECURITY VIOLATIONS BY NAVY STATIONS

DTG	TRIGRAPH	KEY NO.	REMARKS
		USN-11	
		JULY	
191333Z	EPD	2d	Broke on DZDJX vice DRDJX
270833Z	FSR	2b	Broke on UCACQ vice UCACR
		AUGUST	
071404Z	DYN	2d	Broke on MEHGG vice MOMGG
071436Z	DYU	2d	Broke on ZDHSG vice ZDVSG
160930Z	FIJ	4a	Broke on AA vice DD
260510Z	GWZ	2c	Broke on FMUQG vice FMUQC
270043Z	HAC	2d	Broke on SQTZX vice SQAZX
281125Z	ITJ	4a	Broke on DD vice AA
300947Z	HNI	4a	Broke on BB vice AA
		SEPTEMBER	
041235Z	IIX	4a	Broke on AA vice BB
042155Z	INX	2b	Broke on YVWYQ vice YVXYQ
082156Z	DWW	2d	Broke on ZXYDH vice ZXLDH
140747Z	HFR	2a	Broke on NHPOO vice NPHOO
150200Z	KIR	2d	Broke on PWSTR vice PWBTR
150248Z	GGG	2d	Broke on YEPUX vice YEPUM
172133Z	KVZ	2b	Broke on SIIMI vice SHIMI
202205Z	LIN	4a	Broke on CC vice DD
210241Z	LIZ	2d	Broke on VZLKE vice VHLKE
240521Z	IXE	2c	Broke on GCVVN vice GCZVN
271904Z	MEK	2b	Broke on APUQF vice APVQF.
		USN-12	
		SEPTEMBER	
151500Z	ABF	1	Broke on AM rotor arrangement
		USN-13	
		AUGUST	
030340Z	AVB	2d	Broke on GNZOU vice GNZOB
150410Z	FNH	2d	Broke on AQWMU vice SQWMU

Incl 1

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VIOLATIONS (Contd)

DTG	TRIGRAPH	KEY NO.		REMARKS
			USN-14	
			AUGUST	
110130Z	BKP	2d		Broke on FWFJM vice SBFJM
261550Z	ECD	2b		Broke on ECLIF vice ECLKF
			USN-18	
			AUGUST	
031600Z	ADK	2d		Broke on JVBPV vice FVBPV
282202Z	ATM	3		Broke using trigraph AYM
			USN-19	
			JULY	
211055Z	DQA	2d		Broke on FJDNE vice FJDNH
			SEPTEMBER	
151940Z	CPV	2d		Broke on RXAGR vice GXAGR
301842Z	EQB	2d		Broke on VBDHE vice VBDZE
			USN-20	
			AUGUST	
120002Z		4a		Broke on BB vice AA
120015Z		4a		Broke on BB vice AA
120022Z		4a		Broke on BB vice AA
120157Z		4a		Broke on BB vice AA
120203Z		4a		Broke on BB vice AA
			SEPTEMBER	
130046Z	ALB	2d		Broke on RHEOQ vice RHEVQ
			USN-26	
			SEPTEMBER	
030100Z	BAE	2d		Broke on HCXYL vice HCXUL

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VIOLATIONS (Cont'd)

DTG	TRIGRAPH	KEY NO.		REMARKS
			USN-27	
			SEPTEMBER	
051402Z	AOK	1		Broke on AM rotor arrangement
132014Z	BTE	2d		Broke on AYKAT vice AYKUT
			USN-39	
			JULY	
170152Z	QQP	2d		Broke on CIXGT vice CIXIT
272041Z	RJU	2d		Broke on BIGUK vice BIQUK
			USN-40	
			AUGUST	
240156Z	ARA	2d		Broke on KDHCW vice ZSHCW

Incl 1

KEY LIST OF NAVY VIOLATIONS

July, August, September, 1954

ROTOR ARRANGEMENT

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

ROTOR ALIGNMENT AND MESSAGE INDICATOR

2. 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.

KEY GROUP

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

MACHINE DESIGNATOR AND MULTISWITCH SETTING

4. 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))

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