

CSP 6620A

REGISTER NO.

SECRET-CRYPTO

CRYPTOGRAPHIC EQUIPMENT
PLANNING AND REFERENCE
GUIDE (U)

CSP 6620A

DEPARTMENT OF THE NAVY
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
SEPTEMBER 1962

EXCLUDED FROM AUTOMATIC
DECLASSIFICATION FOR DIR 5200.10
PPLY

DO NOT REMOVE FROM BINDER

DECLASSIFIED per SEC 3.4 E.O. 12958
by Director, NSA/Chief, CSS
SA date *27 Oct 98*

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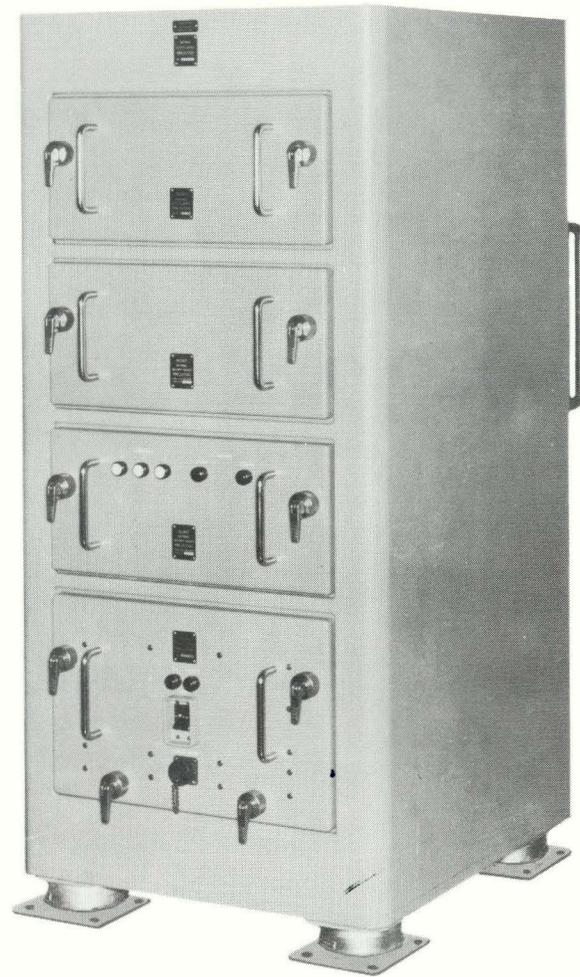
ORIGINAL
(Reverse Blank)

TSEC/KW-22

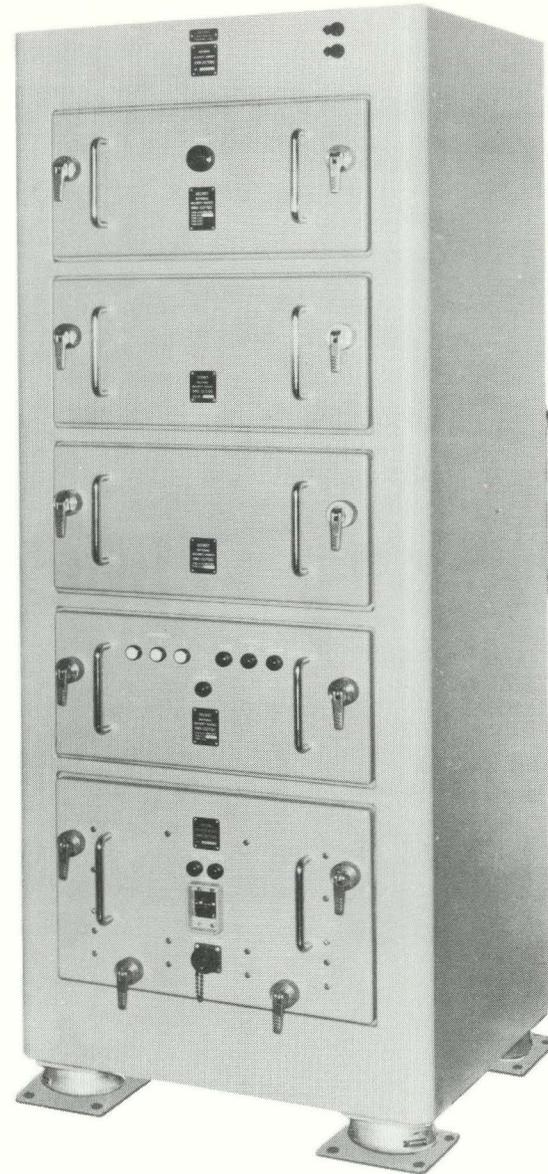
H/2

PRODUCTION MODEL

RECEIVER

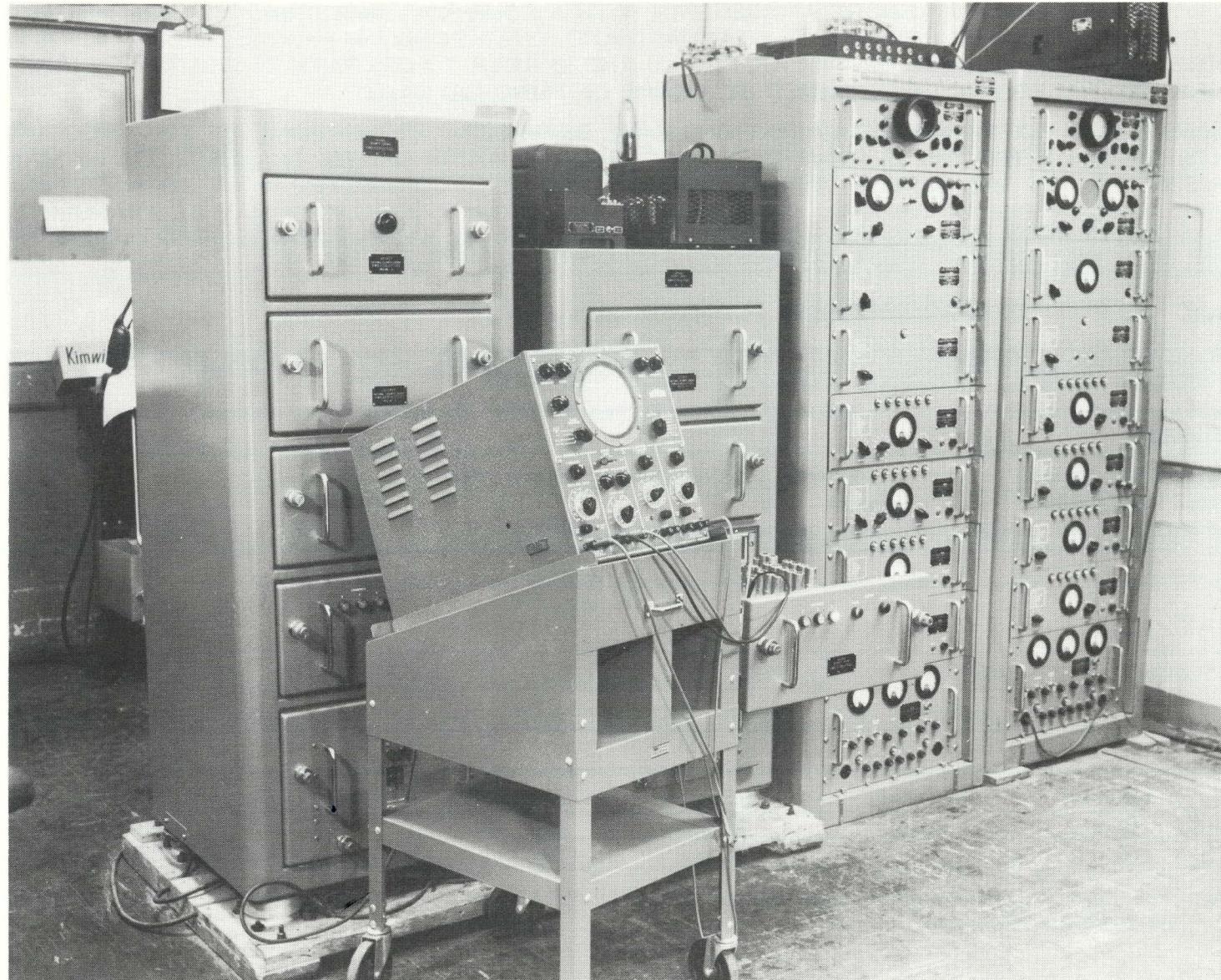


TRANSMITTER



AN ADDITIONAL PICTURE IS ON PAGE 13-18

DESCRIPTION	<p>A COMPLEX ELECTRONIC, POINT-TO-POINT, TELETYPEWRITER SECURITY EQUIPMENT DESIGNED FOR USE ON RADIO AND WIRELINE CIRCUITS ASHORE AND AFLOAT WITH A FOUR-CHANNEL TIME DIVISION MULTIPLEX TELEGRAPH TERMINAL SET. IT USES THE FREQUENCY STANDARD AND SYNCHRONIZING FEATURES OF THE AN/FGC-5 OR AN/UGC-1 (TRANSISTORIZED VERSION OF THE AN/FGC-5) AND IS ABLE TO OPERATE IN THE TWO, THREE OR FOUR CHANNEL MODE. KEYING VARIABLES ARE DETERMINED BY MEANS OF PUNCHED CARDS.</p> <p>UNDESIREABLE COMPROMISING RADIATIONS HAVE BEEN DETECTED IN SOME OF THE ASSOCIATED MULTIPLEX EQUIPMENTS WHICH LIMITS THE CLASSIFICATION OF TRAFFIC WHICH CAN BE TRANSMITTED BY MANY ACTIVITIES USING THE KW-22 TO SECRET AND BELOW. THIS DEFICIENCY HAS BEEN CORRECTED IN AN/UGC-1 TERMINALS WHICH HAVE A SERIAL NUMBER HIGHER THAN 42. IN ANY EVENT TOP SECRET MESSAGES MAY BE TRANSMITTED ONLY WHEN SPECIFICALLY AUTHORIZED BY CNO OR IN THE CASE OF TEMPORARY EMERGENCIES. (CNO 261819Z MAY 61 AND CNO 011441Z JUN 61 (TO CINCLANTFLT AND CINCPACFLT) AND CSPM 1C, 1-51 REFER)</p>														
STATUS	IN USE. NO FURTHER PROCUREMENT PLANNED. (SEE ABOVE FOR RESTRICTIONS ON USAGE)														
TRAINING	A 17 WEEK COURSE IN KW-22/KO-5 IS GIVEN AT MARE ISLAND. 8 WEEKS IS DEVOTED TO THE KW-22 AND 9 WEEKS TO THE KO-5. THE COURSE ALSO INCLUDES THE AN/FGC-5. ADDITIONAL CRYPTO TRAINING IS CONDUCTED AT LACKLAND AFB, LACKLAND, TEX. FOR THE KW-22 AND THE KO-6A. (SEE NAVPERS 91769-D AND BUPERSINST 1500.25)														
CRYPTOSYSTEM	TANTALUS														
CLASSIFICATION	<p>EQUIPMENT: SECRET-CRYPTO (EXTERNAL VIEWING - NO CLEARANCE REQUIRED)</p> <p>KEYING MATERIAL: SECRET-CRYPTO</p> <p>TRAFFIC: SEE SECOND PARAGRAPH UNDER DESCRIPTION ABOVE.</p>														
PUBLICATIONS	<p>MAINTENANCE: KAM-53, KAM-54 (BOTH SECRET-CRYPTO), KAM-55 (CONFIDENTIAL-CRYPTO)</p> <p>OPERATING: KAO-32 (SECRET-CRYPTO)</p>														
PROCUREMENT (COST IN THOUSANDS)	UNIT COST	PAST		FY 1963		FY 1964		FY 1965		FY 1966		FUTURE		TOTAL	
	\$22,000	QTY	AMOUNT	QTY	AMOUNT	QTY	AMOUNT	QTY	AMOUNT	QTY	AMOUNT	QTY	AMOUNT	QTY	AMOUNT
PHYSICAL CHARACTERISTICS		HEIGHT		WIDTH		DEPTH		WEIGHT		VOLTAGE		POWER		REMARKS	
	XMTR	66 IN.	25 IN.	28 IN.	662 LBS.	115/230	1040 WATTS	A LINE AMPLIFIER MUST BE USED IF THE DISTANCE BETWEEN THE KW-22 AND MUX EXCEEDS 50 FEET.							
RCVR	56 IN.	25 IN.	28 IN.	548 LBS.	(50-60 CPS)	840 WATTS									
	NOTE: 101 KW-22 EQUIPMENTS ARE ON INDEFINITE LOAN TO THE NAVY. 50 OF THESE ARE FROM THE AIR FORCE AND 51 FROM THE ARMY.														



SHOWN WITH AN/FGC-5 TERMINAL EQUIPMENT TO THE RIGHT

