

UNCLASSIFIED

CONFIDENTIAL

AN/APA-7

Photographic Adaptor AN/APA-7, which incorporates a cathode ray tube, is used to facilitate the photographing of the image on the screen of Raven equipment.

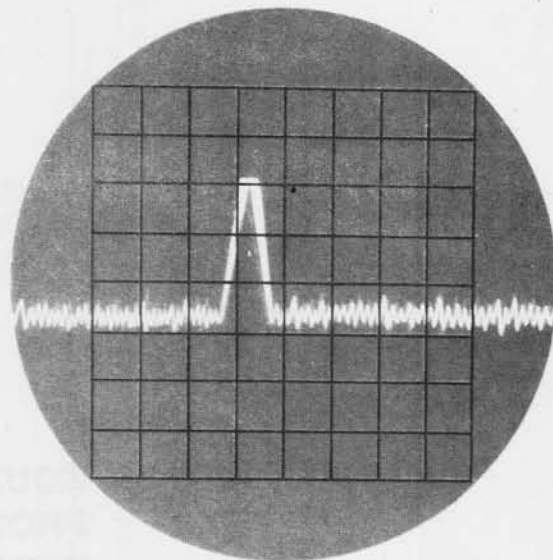
The equipment provides a means for obtaining a permanent photographic record of intercepted radar pulses which are being analyzed by Radar Indicator Assembly AN/APA-11. Such a photograph will show the pulse duration and shape of an enemy radar pulse.

In use, the equipment is so arranged that when a record is required, a photograph may be taken by pressing a button on the panel of the equipment. Remote control is effected by pressing a button at the end of a length of cable.

A permanent focus camera is enclosed within Photographic Adaptor AN/APA-7, together with a cathode ray tube on which is duplicated the trace appearing on Radar Indicator Assembly AN/APA-11. The operator is thus provided with a permanent record of the picture appearing on the cathode ray tube, and valuable time is saved, since it is no longer necessary to trace the pattern on the screen by hand.

Power requirements are 80 watts input from an a.c. power source of 80-115 volts when the frequency is maintained within the limits of 400-2600 c.p.s. and 28 volts from a d.c. power source. No test equipment is required.

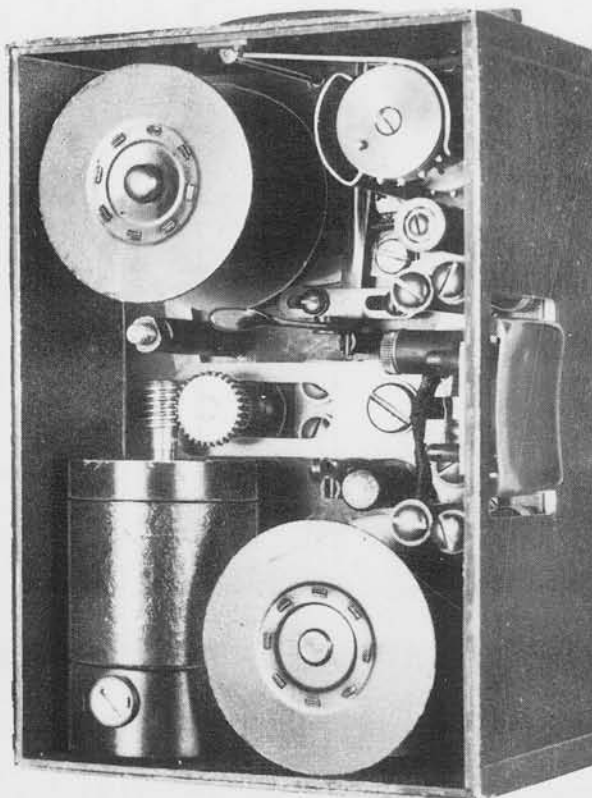
The equipment was deleted from the Army Supply Program requirements as of 22 June 1944.



Enemy radar frequencies are analyzed and determined by position and/or size of pip.

POWER INPUT	80 WATTS
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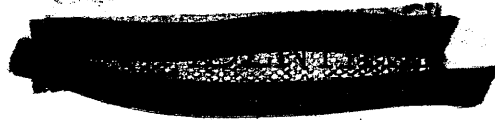
TUBE COMPLEMENT			
NO.	TYPE	NO.	TYPE
1	6AC7	1	5Y3GT
1	6AG7	2	2AP1
1	2X2		



Photographic Adaptor AN/APA-7 With Cover Removed.

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EQUIPMENT
PHOTOGRAPHS
UNAVAILABLE

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PHOTOGRAPHIC ADAPTOR AN/APA-7 TOTAL WEIGHT 34 LBS.

Component	Nomenclature	Size	Weight
Indicator	ID-69/APA-7	7 5/8" x 4 7/8" x 21 3/4"	28 Lb.
Camera	PH-525/APA-7	2 1/2" x 1 1/2" x 4"	2 Lb.
Mounting Base	MT-167/U	2 1/4" x 5 1/4" x 22 "	2 3/4 Lb.

and includes plugs, cable adapter and Frequency cable.