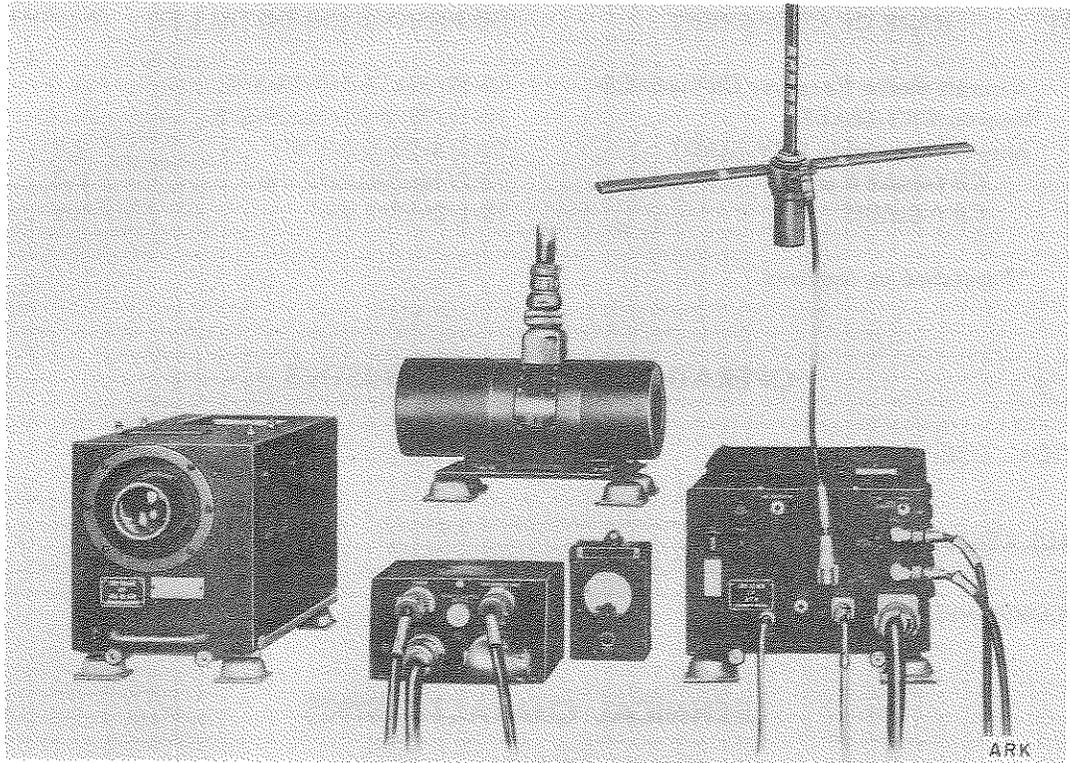


STATUS: Limited Standard
 CLASSIFICATION OF EQUIPMENT: Unclassified
 USING SERVICE: Navy
 DATE OF THIS SHEET: 9 May 52

AN/AXR-TYPE

SERVICE TYPE NUMBER: ARK
 AIRCRAFT RADIO RECEIVING EQUIPMENT



The ARK Aircraft Radio Receiving Equipment is a uhf receiver for use in and by aircraft in conjunction with ATK Aircraft Radio Transmitting Equipment to comprise a complete system used for plane-to-plane radio television reception. Scenes visible from an aircraft using the ATK may be reproduced in another aircraft using the ARK, at a distance of about 10 miles.

The equipment can operate on any one of 10 frequency channels, and up to 10 separate sets of equipments may be operated simultaneously within the same general area. The equipment will operate under severe conditions of vibration, temperature, humidity, and altitude. Either the cylindrical or elliptical type antenna is supplied for frequency channels 1 to 5; elliptical type only for channels 6 to 10.

AN/AXR-TYPE		INSTRUCTION LITERATURE: AN 16-45-69, 08-53-79
		CLASSIFICATION OF EQUIPMENT: Unclassified
ARK	SERVICE TYPE NUMBER	USING SERVICE: Navy
AIRCRAFT RADIO RECEIVING EQUIPMENT		DATE OF THIS SHEET: 9 May 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Aircraft Radio Receiver CRY-46ACD	10-13/32x17-7/8x22-3/8	57.0
*1	Monitor CRY-60ABK	10-17/32x8-21/32x19-5/8	31.25
1	Antenna Assembly CRY-66ADT	12-1/4x20-1/2x5 dia	2.5
	CRY-66AFW or	12-7/16x20-1/2x2 dia	1.8
	CRY-66ADU	10-1/2x17x2 dia	1.6

*Furnished as required.

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Aircraft.

INSTALLATION: Airborne.

CAN COMMUNICATE WITH: ATK

TECHNICAL CHARACTERISTICS

FREQUENCY: 264 - 372 mc, in 10 channels.

SCREEN SIZE: 7 in. crt.

ASPECT RATIO: 4:3.

FRAMES PER SECOND: 40.

LINES: 350 scanning lines.

SYNCHRONIZING SIGNALS: Pulses.

POWER REQUIREMENTS: Receiver with monitor; 400 w, 27-31 v dc.

PHYSICAL CHARACTERISTICS

Aircraft Radio Receiving Equipment ARK measures 10-13/32 x 26-17/32 x 22-3/8 inches, net weight 88-1/4 pounds, volume 3.58 cu ft.