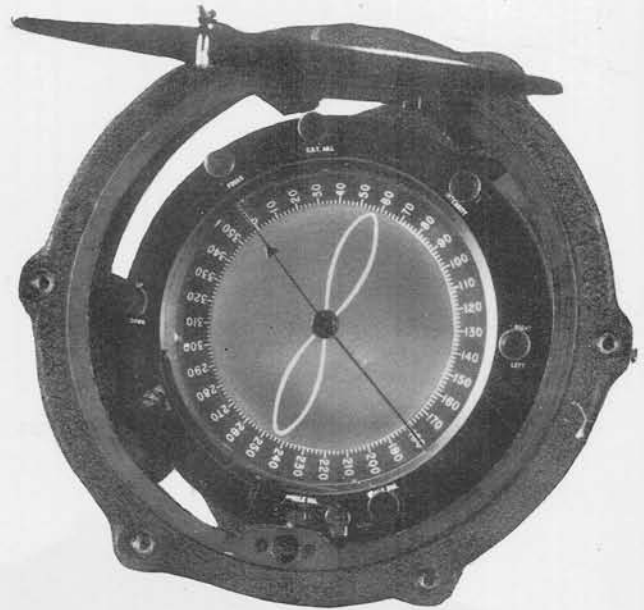


Radar Receiving Equipment AN/ARQ-6 is a complete airborne radar direction finding system including antenna, receiver and indicator providing continuous indication on a cathode ray tube. It may be used for accurate location of enemy radar stations with no immediate intention of bombing or it may be used for homing on the enemy station for the purpose of bombing or strafing the station and then passing over. The equipment may also be used to home on bombing formation. It is used in medium and heavy bombers.

and the receiver input is 150 watts with sensitivity of 50 microvolts.

Army Supply Program requirements have not been established as of 30 April 1944.

Power is obtained from a 115 volt, 400 to 2600 c.p.s. a.c. source and a 28 volt d.c. source. The equipment covers the frequency range of 100 to 160 mc.,



AN/ARQ-6 Indicator, cathode ray tube 5CP1, showing DF on a strong signal with 180° ambiguity. Pressing "Sense" switch removes ambiguity. This is a continuous presentation.

POWER INPUT	150 WATTS A.C. 33 WATTS D.C.
FREQUENCY RANGE	100-160 Mc.
SENSITIVITY	50 MICROVOLTS

TUBE COMPLEMENT			
NO.	TYPE	NO.	TYPE
2	6AG5	1	5Y3GT/g
3	6J5	2	6SL7/GT
4	9001	1	2X2 or 1879
1	6C4	*1	5CPI
2	6AK5	1	Amperite Ballast
2	6N7		

\* Crystal

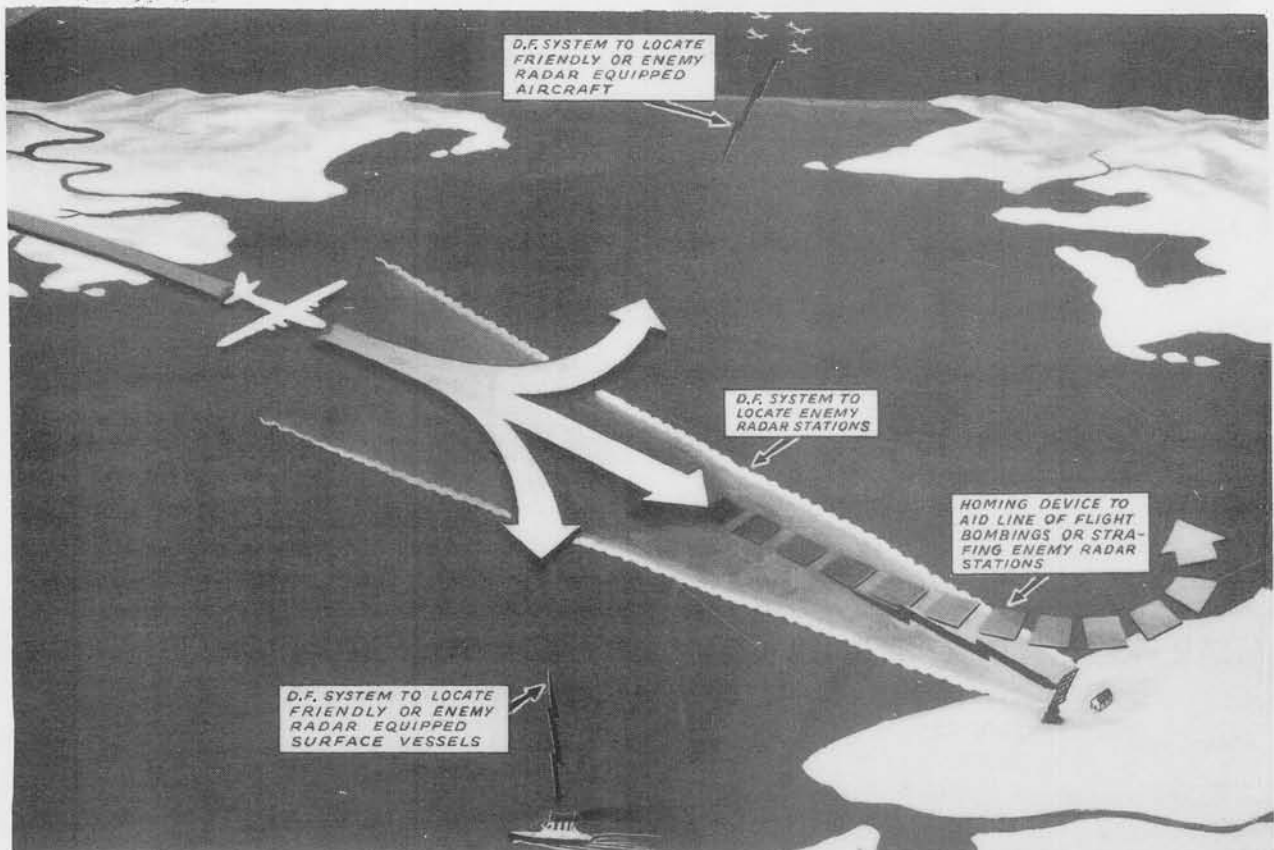
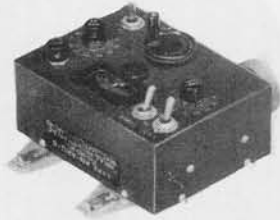


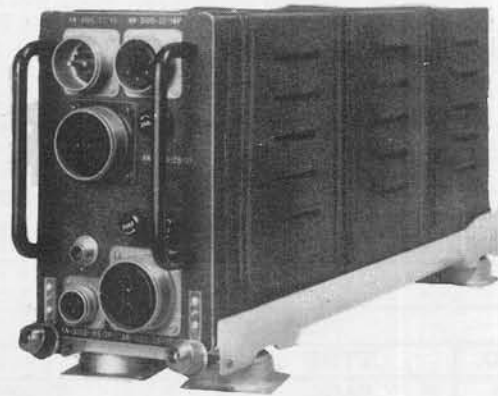
Diagram of Radar Receiving Equipment AN/ARQ-6 and its uses against land, airborne and seaborne targets for purposes of direction finding and homing.

Dec. 1944

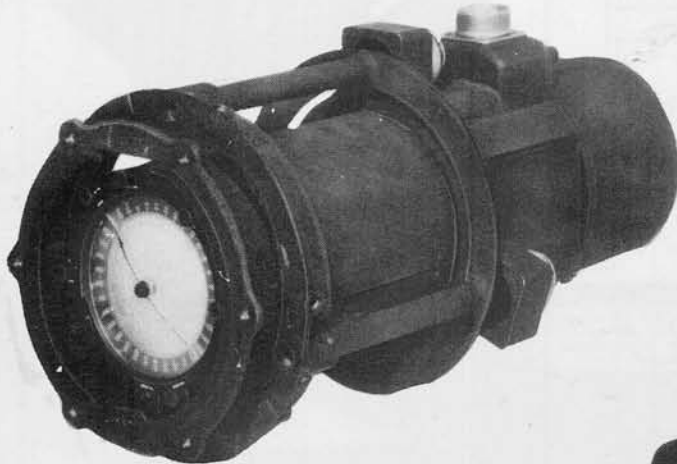
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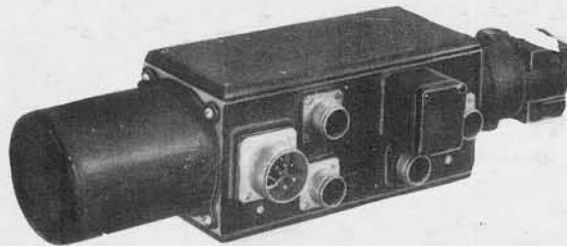
Control Box



Receiver



Indicator



Goniometer

RADAR RECEIVING EQUIPMENT AN/ARQ-6 TOTAL WEIGHT 80 LBS

Components	Nomenclature	Size	Weight
Receiver		7 5/8" x 4 7/8" x 21 3/4"	17 1/4 Lb.
Indicator		10 1/8" x 21" Dia. 6 3/4"	20 3/4 Lb.
Goniometer		5" x 5" x 18"	7 Lbs.
Antenna Array			12 Lbs.
Control Box		4 1/2" x 6" x 3"	4 1/2 Lb.
Interconnecting Cables		Various lengths and sizes	16 1/2 Lb.

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