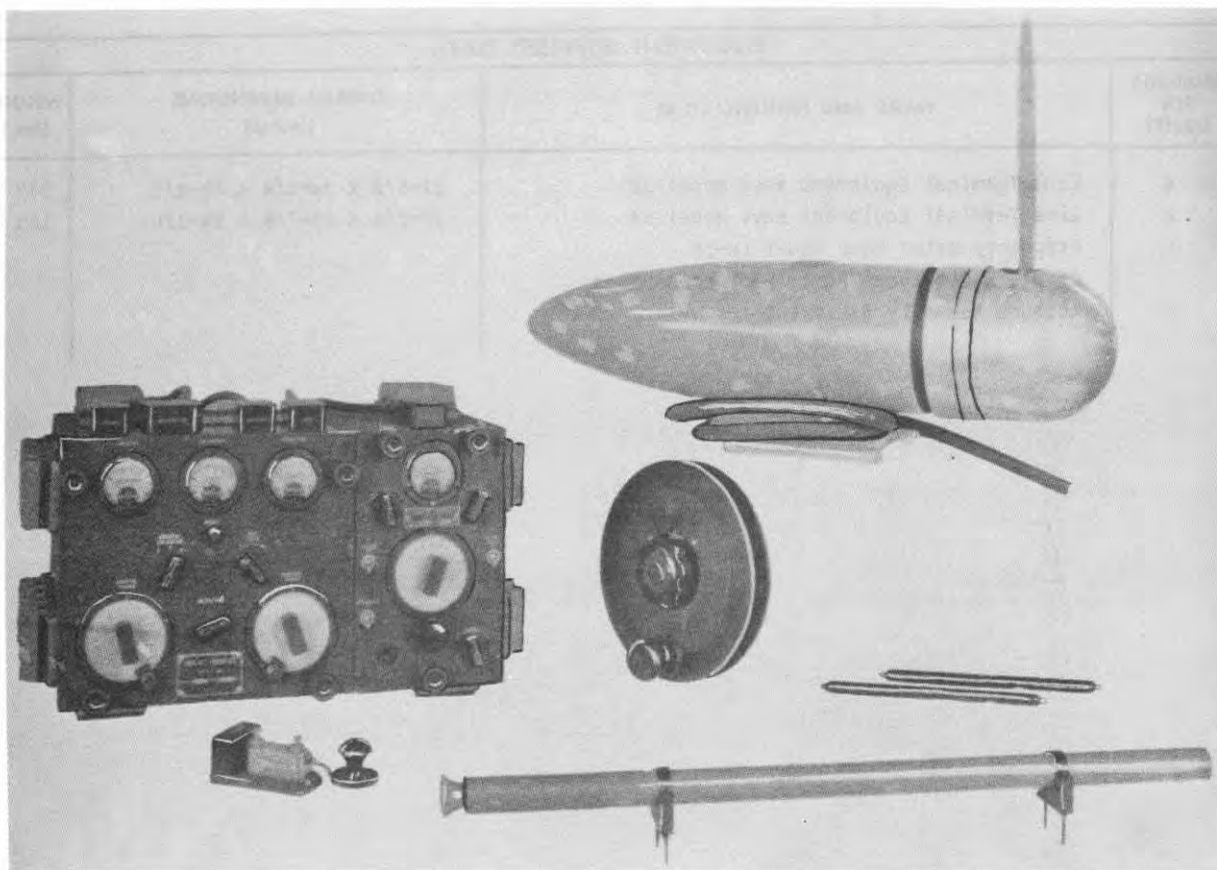


AIRCRAFT RADIO TRANSMITTER-RECEIVER

ME



Aircraft Radio Transmitter-Receiver ME

FUNCTIONAL DESCRIPTION

The Model ME is designed for use with aircraft of the observation and reconnaissance types. Its purpose is for communications with both ships and other planes. The transmitter and receiver are enclosed in one case and connected by detachable cables to the wind driven generator, battery, key, antenna and frame of the plane.

Break in operation is obtained by means of a relay which connects the antenna to the transmitter when the key is closed but leaves the antenna connected to the receiver at all other times. Transmission is continuous wave, crystal controlled, at a predetermined constant frequency. The receiver is of the non-radiating type arranged for damped or undamped wave reception.

No field changes in effect at time of preparation (25 October 1956).

ELECTRICAL AND MECHANICAL CHARACTERISTICS

FREQUENCY RANGE: 3000 to 4000 kc.

CONTROL: Crystal.

POWER REQUIREMENTS

TYPE: Wind Driven Generator SE-3063 with Air Propeller.

OUTPUT: 500 W on 50% efficiency.

SPEED: 4000 rpm at wind velocities between 50 and 125 mph.

ANTENNA TYPE: 1/4 wave reel type.

TUBE AND/OR CRYSTAL COMPLEMENT

(1) 2566 (1) 1984 (4) 1344

Total Tubes: (6)

(3) Crystals

Total Crystals: (3)

Radio-Transceivers

ME

AIRCRAFT RADIO TRANSMITTER-RECEIVER

REFERENCE DATA AND LITERATURE

Technical Manual for Aircraft Transmitter-Receiver Navy Model ME.

TYPE CLASSIFICATION
 DESIGN COGNIZANCE BUAER
 PROCUREMENT COGNIZANCE
 STOCK NO.

EQUIPMENT SUPPLIED DATA

QUANTITY PER EQUIPT	NAME AND NOMENCLATURE	OVERALL DIMENSIONS (inches)	WEIGHT (lbs.)
1	Transmitter SE-3061, Receiver SE-3062 and Case SE-3060		
1	Generator SE-3063		
1	Air Propeller		
3	Crystal Holders SE-2980 with crystals		
1	Transmitting Key SE-1443-A		
1	Instruction Book		
1	Antenna Reel		
1	Lead-out Insulator		
2	Antenna Weights NT-2508		
1	Propeller Wrench		
1	Set of Cables		