

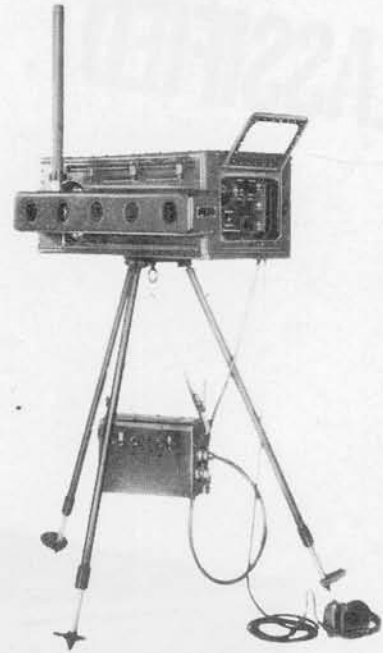
Radar Beacon AN/UPN-4 (BUPX) is an ultra portable ground and shipborne beacon weighing approximately 97 pounds and designed to provide navigation information, act as homing beacon, and designate bomb runs. When interrogated by an airborne radar, it replies with a coded signal which identifies the beacon and its location.

This set differs from Radar Beacon AN/UPN-3 in that it operates from a self-contained storage battery which has a life of 4 to 6 hours without recharging, and is suitable for transportation in small trailers or jeeps and may be mounted therein for operation. This model is being considered for paratroop use.

Five coded combinations are possible with this equipment. The antenna consists of a linear array of coaxial fed, horizontally polarized dipoles, vertically stacked, with 360° azimuth pattern.

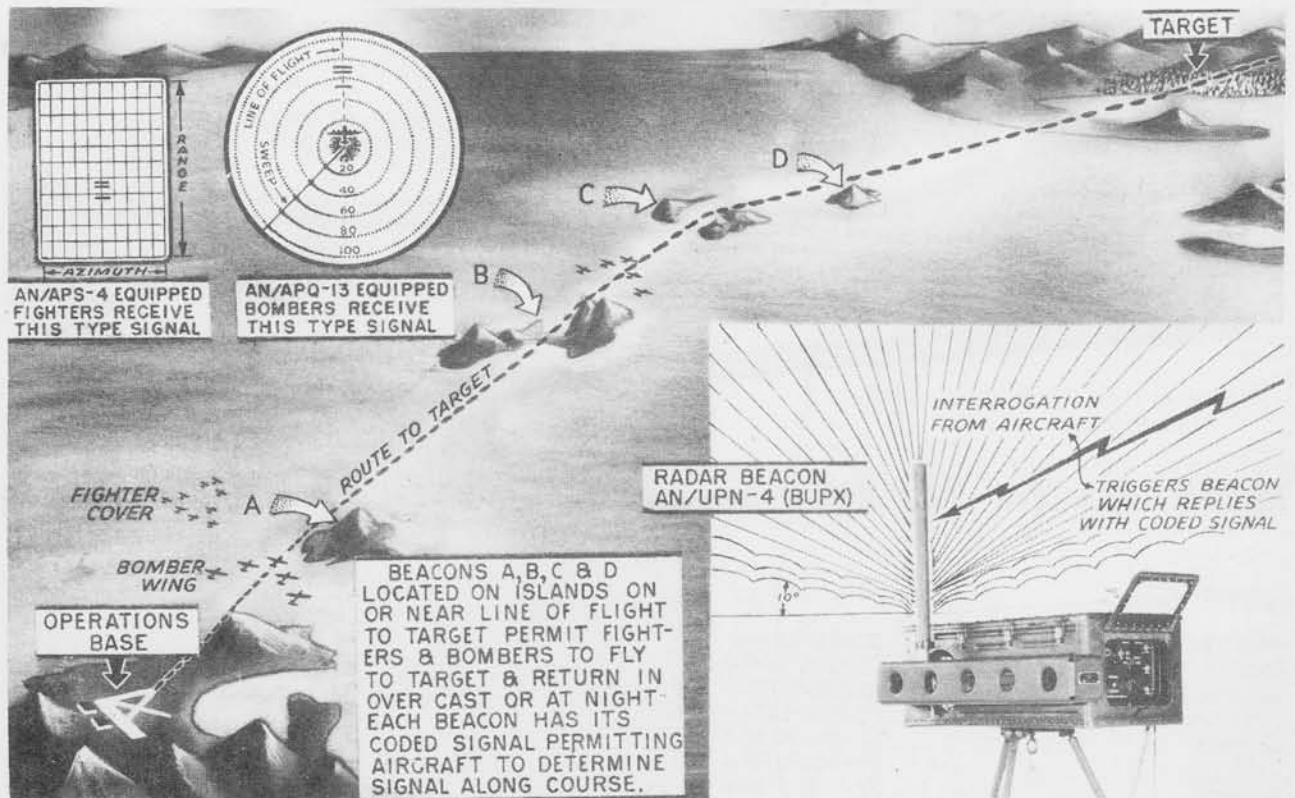
Radar Beacon AN/UPN-4 formerly known as AN/PPN-7 is used with airborne Radar Set AN/APS-3, Radio Sets AN/APS-4, AN/APQ-13 and Radar Equipment AN/APS-15.

Test equipment recommended for use in the operation and maintenance of AN/UPN-4 includes Test Set TS-120/UP, Oscilloscope TS-239/UP, Radar Maintenance Equipment AN/UPM-1A, Synchroscope TS-28/UPN, R-F Test Load TS-108/AP, Spectrum Analyzer TS-148/UP, Pressurizing Kit MK-20/UP, Voltmeter IS-189, Multi-meter TS-352/U and Tube Tester I-177.



TUBE COMPLEMENT			
NO.	TYPE	NO.	TYPE
6	3A5	2	VR-150
6	1L4	1	VR-90
4	6C4	1	1N23A
1	3D21A	1	1N31
1	2J41		

POWER INPUT	12 VOLTS D.C. 45 WATTS
POWER OUTPUT	300 WATTS (PEAK)
FREQUENCY	9320 - 9430 MC REC. 9310 MC TRANS.
TYPE OF SIGNAL	CODED PULSE
RANGE	30 MILES



Radar Beacon AN/UPN-4 is an ultra portable ground, paratroop and shipborne beacon designed to provide navigation information, act as homing beacon and designate bomb runs to aircraft equipped with radars operating in its frequency range.

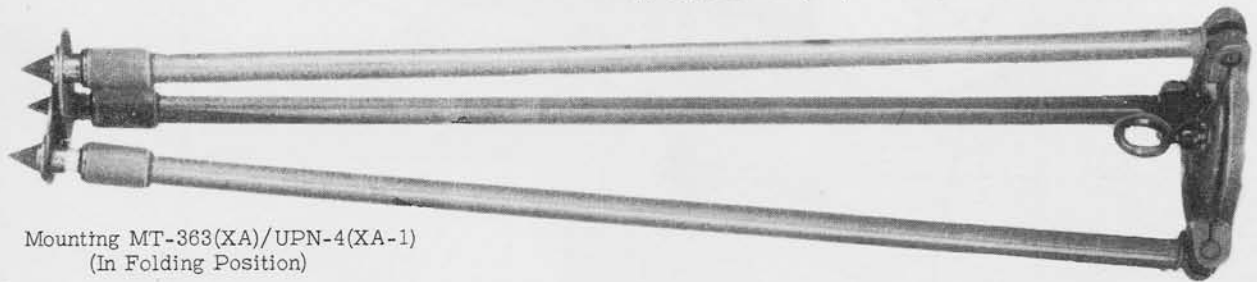
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Battery Pack BB-222(XA)/UPN-4(XA-1)



Receiver-Transmitter RT-83(XA)/UPN-4(XA-1)
In Case CY-336(XA)/UPN-4(XA-1) (Antenna Erected)



Mounting MT-363(XA)/UPN-4(XA-1)
(In Folding Position)

RADAR BEACON AN/UPN-4

TOTAL WEIGHT 97 LBS.

Component	Nomenclature	Size	Weight
Receiver-Transmitter	RT-83/UPN-4		35 Lbs.
Case	CY-336/UPN-4	26" x 13" x 10"	18 Lbs.
Antenna Assembly	AS-235/UPN-4	24" long	4 Lbs.
Power Pack	BB-222/UPN-4 (2 each)	10" x 7" x 6"	ea. 27 Lbs.
Harness	ST-103/UPN-4		2 Lbs.
Case	CY-338/UPN-4	8" x 13" x 12"	14 Lbs.
Harness	ST-102/UPN-4		1 Lb.
Mounting	MT-363/UPN-4	34" x 7" x 7"	10 Lbs.
Antenna Guard attached to Case CY-336/UPN-4		28" x 5" x 4"	

and includes set of interconnecting Cords.
Section 4 - Graphic Survey

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