AERIAL OUTFITS AQQ(2) AND AQQ(3)

AQQ

SUMMARY OF DATA

PURPOSE

For use with Type 960 to give aircraft warning and height estimation.

FREQUENCIES

Five spot frequencies:-

90.0 MHz, frequency code F } Obsolescent
88.0 MHz, frequency code D }
86.0 MHz, frequency code B
84.4 MHz, frequency code M
82.8 MHz, frequency code L

AERIAL ROTATION SPEED

Up to 7 rev/min. clockwise; up to 2 rev/min. counter-clockwise.

BEAM WIDTH

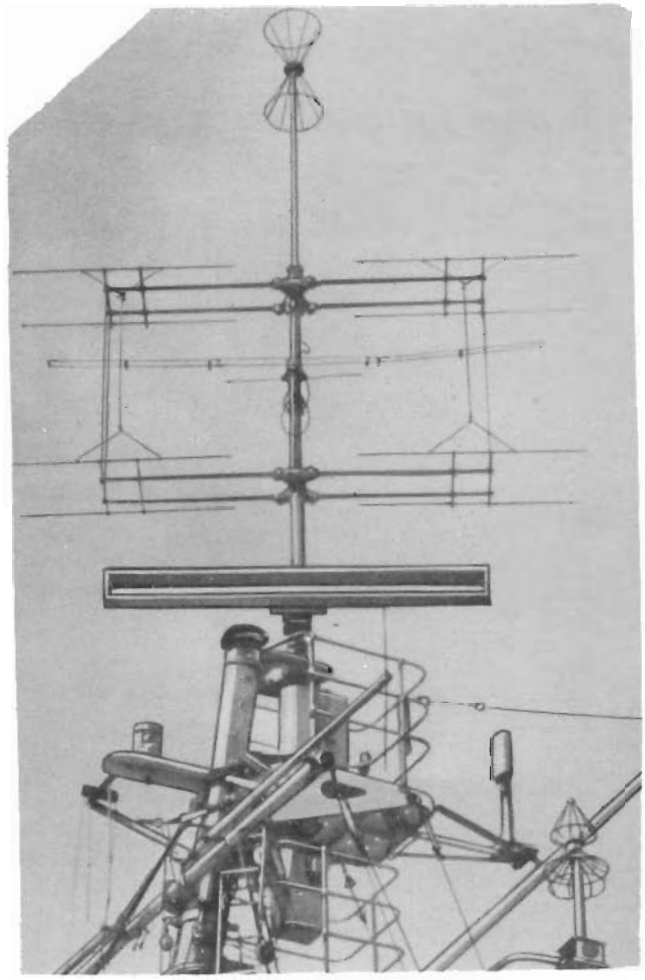
35^{o} horizontal.

AERIAL GAIN

18 dB

BRIEF DESCRIPTION

The aerial array consists of two 'box' elements, each consisting of two half-wave dipoles and reflectors. Training speed and direction is controlled either from Control Unit 20N (AQQ(2)) or Control Unit Des. 128 (AQQ(3)) in the Type 960 Office, or from Control Unit 20P (960, 982 combination) or Control Unit Des. 46 (960, 277 combination) in the R.D.R. The aerial is stabilised in azimuth. AQQ(2) provides M-type aerial true bearing transmission and AQQ(3) provides magslip transmission to tye Type 960 displays.



AERIAL OUTFIT AQQ - MASTHEAD ASSEMBLY

MAJOR UNITS

AP No.	Description
57604A or 64623	Control Unit 20N (AQQ(2)) / Control Unit Des. 128 (AQQ(3))
59376 or 67540	Motor Generator, Servo (d.c. ships) / Motor Generator, Servo (a.c. ships)
57692	Pedestal Unit 19AL
65293A or 67739	Contactor Unit Des. 8 (d.c. ships) / Contactor Unit 50A (a.c. ships)
63899 67720	Aerial Dipole Des. 5 / Rectifier Unit, 220 V d.c. 1 kW (some a.c. ships)

POWER REQUIREMENTS

230 V 50/60 Hz single phase
50/60 V, 50/60 Hz single phase (in same phase as 230 V)
220 V d.c.
24 V d.c.
Gyro supplies

POWER SUPPLY OUTFITS

Supply Outfits DVH, DVJ or DVN in d.c. ships.
Supply Outfit DYF in a.c. ships.

HANDBOOK

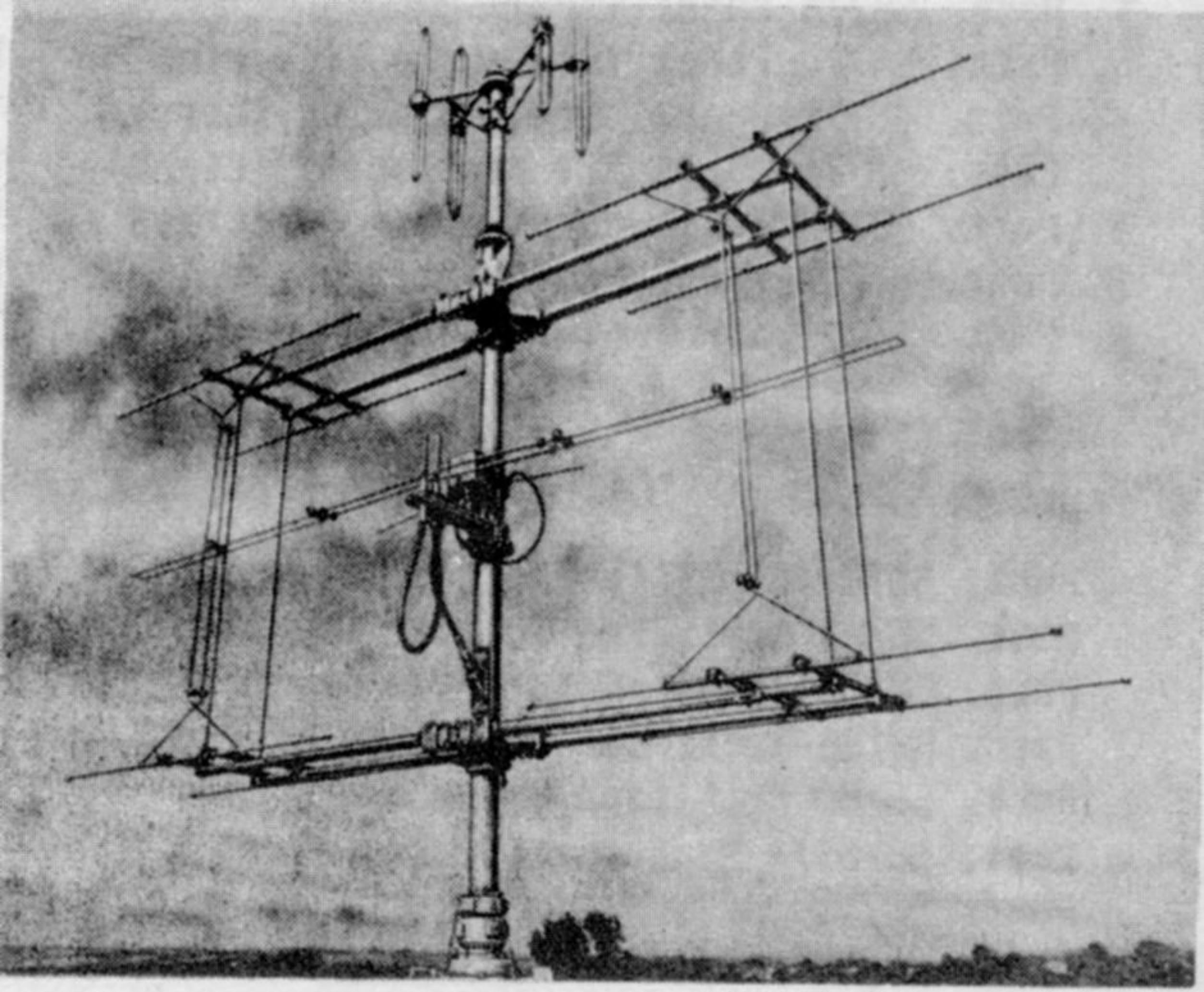
BR 1339

ESTABLISHMENT LIST

E 851

INSTALLATION SPECIFICATIONS

B 827 (AQQ(2))
B 640/R3 (Type 960)



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