

FISHING NYLON OR STRING

CUT TV CABLE & WIRES
(DO NOT SHORT WIRES)

STANDARD 300 OHM TWIN LEAD TV
CABLE. (CHEAP FLAT TYPE)
DO NOT USE SHIELDED
TYPE CABLE.

CUT OUT NOTCH & WIRE
(OPEN CIRCUIT)

CUT OUT SMALL NOTCHES IN INSULATION
TO EXPOSE WIRES. (DO NOT
CUT WIRES)
SOLDER COAX LEADS TO WIRES AS SHOWN
MAKE LEADS FROM COAX AS SHORT AS
POSSIBLE.

USE HEAT SHRINK TUBING OR ELECTRICAL
TAPE TO COAX FLAT AGAINST BOTTOM
PART OF CABLE.

50 OHM COAX CABLE (MINI RG-174 OR
RG-58U) APPROX. 6 FEET LONG.

LEAVE ABOUT 1/2" OF WIRES EXPOSED
TWIST TOGETHER AND SOLDER.

FINE TUNE TO YOUR OPERATING FREQUENCY
BY ADJUSTING LENGTH OF BOTTOM STUB.
USE AN ADEQUATE SWR METER.

MAXIMUM OPERATING POWER IS 10 WATTS.

146 mhz	220 mhz	440 mhz	810 mhz
54.50"	36.50"	18.25"	10.25"

37-1/4"	24-3/4"	12"	6-1/2"
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1/4"	1/4"	1/4"	1/4"
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15-1/4"	10"	5"	2-3/4"
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1-1/4"	1"	1/2"	1/4"
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appropriate connector

WD4JR (ex WD4JNS) Design (First published in the ARRL Emergency Coordinator's Handbook 1984)
Updated 1995, 2000

EMERGENCY J-POLE ANTENNA

WD4JR