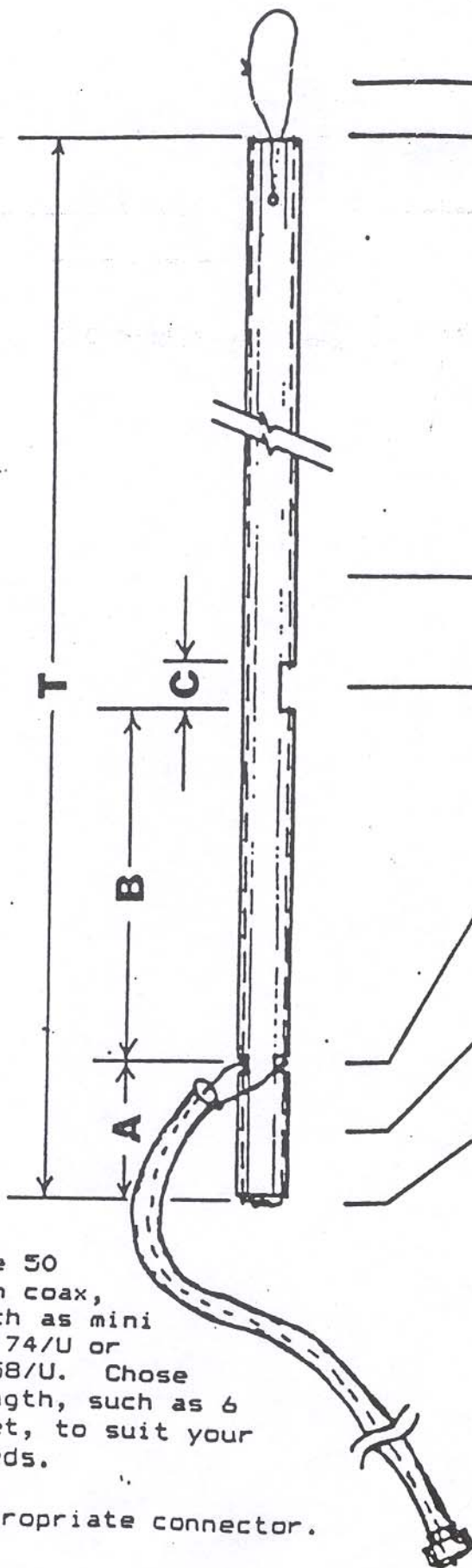


Figure 1: VHF & UHF Emergency J-Pole Antennas
December 1, 1988



— Fishing nylon or string.

— Cut TV cable across;
do not short the wires.

Table of Dimensions for Three Bands
(in Inches)

KEY	2 Mtrs	220 MHz	440 MHz
A	1-1/4	13/16	13/32
A+B	16-1/2	10-3/4	5-13/32
C	1/4	1/4	1/4
T	54	35-3/16	17-23/32

— Standard 300-ohm twin lead cable.
Do not use fancy shielded TV
twin lead.

— Cut out notch, including wire
(open circuit).

— Cut out small notches to expose
wires -- do not cut wires.
Solder coax to wires as shown;
make leads from coax as short
as possible (say 1/4 inch).

— Use heat-shrink tubing, or tape,
to hold coax flag against
bottom of cable.

— Twist wires together and
solder them.

Use 50 ohm coax, such as mini RG174/U or RG58/U. Chose length, such as 6 feet, to suit your needs.

Appropriate connector.

Revised November 21, 1988

Designs used by permission:

2 Meters: Julio Ripoll, WD4JNS,
from ARRL EC Handbook, p. 59.

220 and 440: Scaled from the 2 Meter
dimensions.