## 20 METER WIRE "J-POLE" FOR 14.2 MHZ (VERTICAL, END-FED 1/2 WAVE)

2/13/00 NILO

INSULATOR

RADIATOR # 14 OR # 18 STRANDED BARE COPPER

HANG THIS ANTENNA AS HIGH AS POSSIBLE FROM A TREE OR SIDEARM OF A TOWER. STEADY THE BOTTOM END WITH A LIGHT TAG LINE IF WIND IS A PROBLEM

HOOK LOOPS & SOLDER TOGETHER

~ NO CONNECTION HERE (OPEN STUB END)

1/4) MATCHING STUB, 450 & LADDER LINE OPEN AT TOP, SHORTED AT BOTTOM

- COAX SHIELD CONNECTION ? WEATHERPROOF WITH SCOAX CENTER CONNECTION COAX SEAL AFTER SOLDERING & TESTING

CABLE-TIE COAX TO ONE SIDE FOR STRAIN RELIEF 5 SHORT STUBEND HERE & SOLDER

> -COAXIAL CHOKE BALUN & FEED ASSEMBLY: USE ABOUT 80" OF RG-58 & FORM A COIL OF 5 TURNS ABOUT 4-5" DIA (LIKE A SPRING, NOT BUNCHED). CABLE-TIE FIRST & LAST TURNS TOGETHER & TAPE ENTIRE LOOP.

SILVER SO-238 CONNECTOR SLIP ON APIECE OF 3/4" CPVC PIPE, SOLDER THE CONNECTOR, AND FILL THE CAVITY WITH EPOXY OR HOT-MELT GLUE.

33'-0"

15-85