

1" x 2" x 6' WOOD BOOM STRAIGHT GRAIN! {
 HEMLOCK OR FIR

1/4" DIAMETER FIBERGLASS RODS FROM TAP PLASTICS

1/2" DIAMETER WOOD ROD X 3' LONG FOR MAST TO ROTATOR

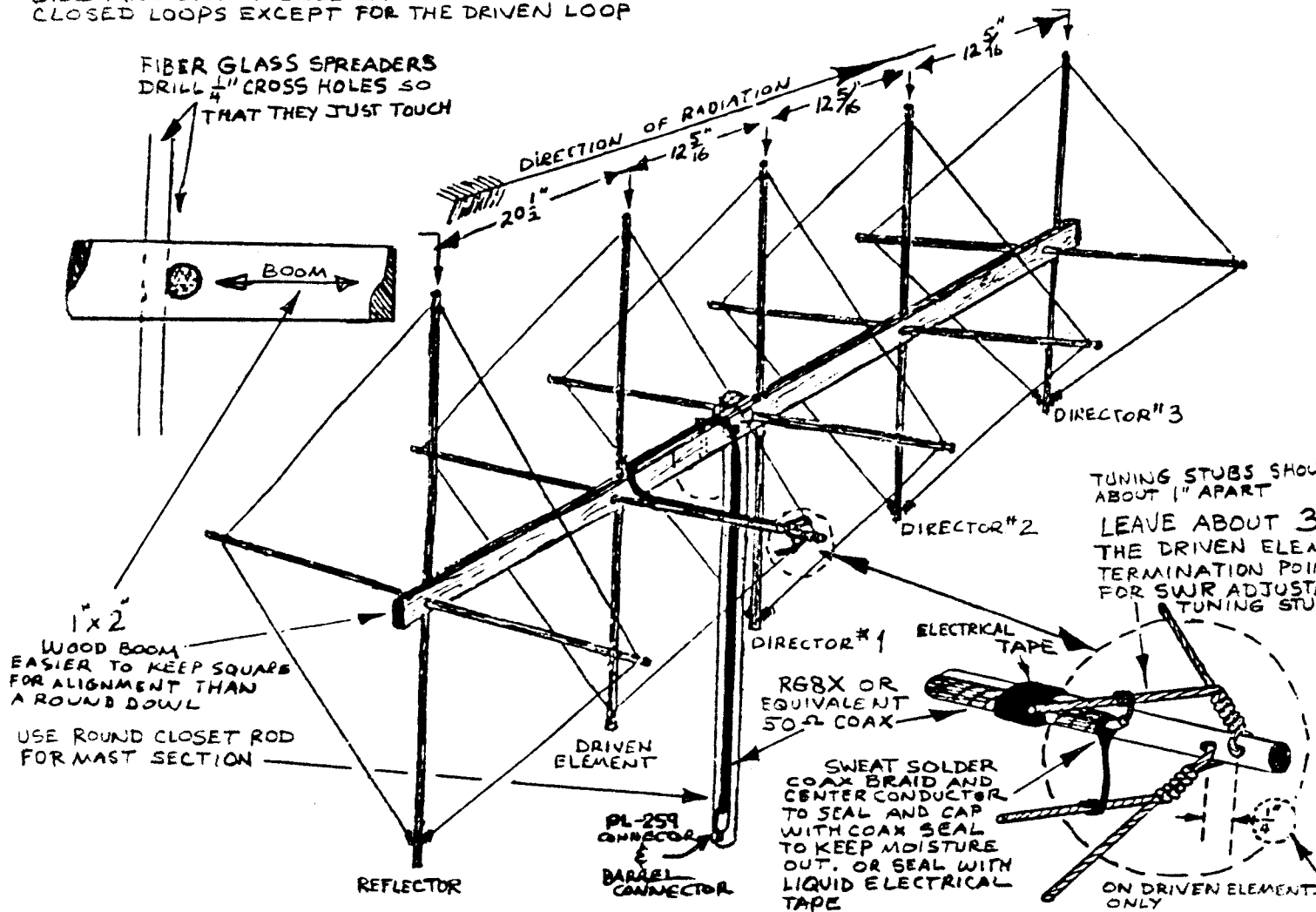
YOU NEED APPROX. 50' #14 COPPER STRAND WIRE

USE A 3/32" DIAMETER DRILL FOR WIRE HOLES

PAINT BOOM, MAST AND SPREADERS WITH A GOOD GRADE OF WHITE HOUSE PAINT BEFORE STRINGING ANTENNA WIRE

(1) MAST TO BOOM U-BOLT

WHEN STRINGING ANTENNA WIRE, PULL TAUGHT AND BIND WITH AT LEAST 3 TURNS ON EACH SIDE AND SWEAT SOLDER. ALL LOOPS ARE CLOSED LOOPS EXCEPT FOR THE DRIVEN LOOP



THIS ANTENNA DOES NOT NEED A 75 OHM TRANSFORMER AS QUADS DO AT LOWER FREQUENCIES. ANY LENGTH OF A GOOD QUALITY RGS8X WILL SUFFICE AS THE PRIMARY FEEDLINE. CONNECT TO STATION WITH ANY LENGTH OF GOOD 50 OHM COAX AND PL-259 CONNECTORS AND ONE BARREL CONNECTOR TO COUPLE THE FEED LINES

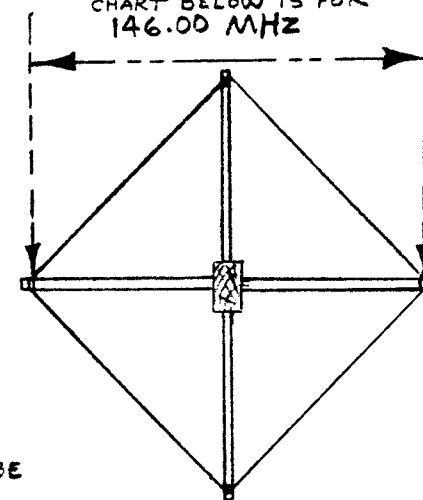
THIS ANTENNA CAN BE TURNED WITH ALMOST ANY LIGHT DUTY ROTATORS - WIND LOAD IS SMALL, ANTENNA IS LIGHT

THE SUPPORT MAST SHOULD BE WOOD AND WOULD BE A GOOD PRACTICE TO HAVE IT AT LEAST 3 FEET LONG TO GET THE ANTENNA ABOVE THE ROTATOR.

NEVER USE METAL FOR THE BOOM, MAST OR SPREADERS THE CONFIGURATION SHOWN IS FOR VERTICAL POLARIZATION IF YOU WANT HORIZONTAL POLARIZATION, FEED DRIVEN LOOP AT THE BOTTOM INSTEAD OF THE SIDE

NOTE: FOR DRILLING THE

HOLE TO HOLE - DIMENSIONS GIVEN ON CHART BELOW IS FOR 146.00 MHz



TUNING STUBS SHOULD BE ABOUT 1" APART

LEAVE ABOUT 3" ON THE DRIVEN ELEMENT TERMINATION POINTS FOR SWR ADJUSTMENT TUNING STUBS

ELEMENTS	CHART FOR HOLE TO HOLE MEASUREMENT
REFLECTOR	30 3/4"
DRIVEN	28 5/16"
DIRECTOR 1	27 5/16"
" " 2	26 1/2"
" " 3	25 5/16"

2 METER CUBICAL QUAD

J.B. STINGER BY KE7CR
 NOW W7SIR

146 MHz (1989)