## 5-ELEMENT BEAM

GET A BROOM STICK OR A ROUND RAIL FOR STEPS OR A 2" BY 2" BOARD OR A

1"DOWEL I WOULD GET ABOUT 7' IN LENGTH

MEXT FIND A BUNCH COAT HANGERS OR \$12 OR \$16 GAUGE WIRE AND STRAIGHTEN IT OUT, MOTE THAT THE DIRECTORS AND REFLECTORS ARE ALL OF THE "PARASITIC" VARIETY. THAT IS THEY ARE CONTINUOUS AND MAY BE CUT TO THEIR PROPER LENGTH

AT THIS TIME, NOW DRIVEN ELEMENT CAN BE MADE. THE DRIVEN ELEMENT NEEDS TO SEPARATED IN THE CENTER IN ORTER TO FEED WITH COAX.

NEXT CUT A PIECE OF PINE ABOUT 12" TO 15" LONG AND 3" WIDE SECURE THE ORIVEN ELEMENTS HAVES TO THIS PIECE OF WOOD. I CUT A SMALL GROVE ON BOTH SIDES FOR THE ELEMENTS TO FIT IN. SECURE TO WOOD WITH THE WRAPS OR CABLE WRAPS OR EPOXY GLUE. AT THIS POINT, COAT CAN BE ATTACHED BY SOLEEPING TO TO ELEMENT. SHELD ON ONE SIDE OF ELEMENT AND CENTER WIRE ON OTHER SIDE

KOV ALL ELEMENTS ARE MADE UP, MOUNT THEM TO BOOM. SIMPLY DRILL A TIGHT FITTING HOLE INTO THE BOOM AND SLIDE THE ELEMENT INTO IT. EPOXY OR A MAIL MAY NECESSARY TO SECURE THE ELEMENT. NOW DRILL HOLES INTO THE RECTANGULAR WOOD BLOCK AND ONE ALSO ONE THROUGHT THE BOOM WHERE THE ELEMENT SHOULD GO SECURE THE BLOCK AND ELMENT ASSEMBLY TO THE BOOM WITH A COUPLE SCREWS OR BOLTS AND NUTS NOW PUT A COUPLE GOOD COATS OF VARNISH ON THE WOOD PARTS.

NOW CHECK THE SWR, TO TUNE SWR BY SNIPPING SHORT OR ADDING WISE TO THE

DRIVEN ELEMENT.



