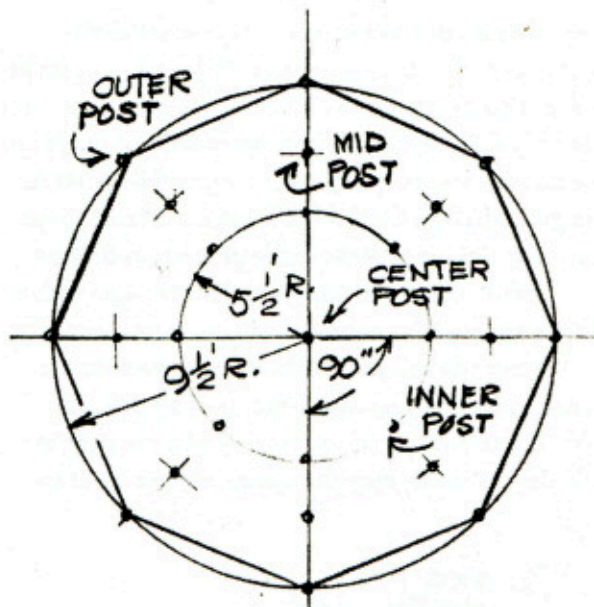


## Layout

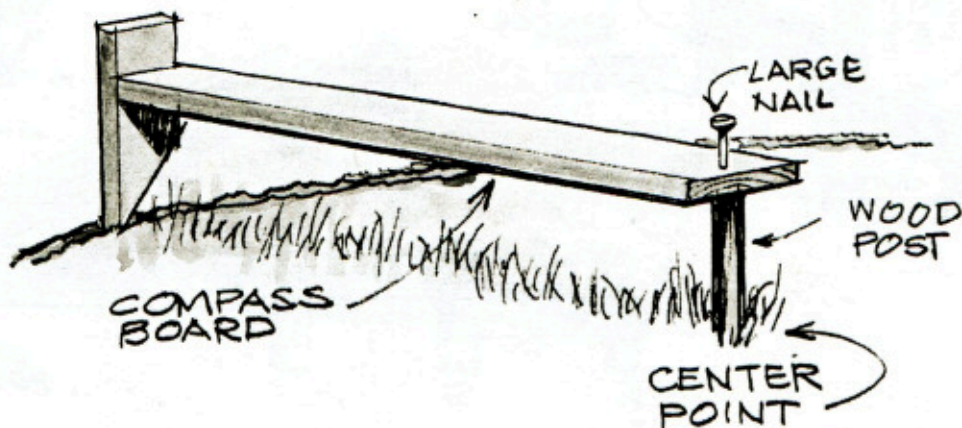
This summerhouse looks best surrounded by an octagonal deck: although not essential, this gives the effect of a pedestal, and creates a gradual transition from the ground to the structure.

Clear an area 24' in diameter and establish a center point for a 19'-diameter circle, driving a stake into the ground.

Make a compass out of a 10'-long board by driving a heavy nail into one end and nailing a pointed stick to the other end. Use the stick to scribe two circles on the ground—one with a 9'-6" radius and another with a 5'-6" radius. Scribe a line through the centers of the circles, and another at right angles to it. Bisect the four resultant quadrants, creating eight equidistant points around the circumference of both circles. Mark all the points with wooden pegs.



OCTAGON LAYOUT



# Cap

Make the octagonal cap out of  $\frac{1}{2}$ "-thick plywood, joined together by galvanized metal straps and fitted into a  $\frac{1}{2}$ " slot in the top center post. The plywood lies on top of the triangular cedar strips and allows a 2" space for ventilation. This space can be screened in if

bugs are a problem. Cover the cap with copper bent over the plywood and joined at the seams. Over time, this will weather to an aqua green. While you're working at the peak, bore a  $\frac{1}{2}$ "-diameter hole 9" deep in the top of the center post, to hold a weathervane.

