

### Gray-Hoverman Antenna -- Materials List

PART ID	Description	Quantity
<b><i>Plumbing supplies department:</i></b>		
	1/2" PVC Pipe, schedule 40, 10-foot lengths	3
A	1/2" PVC Caps	18
B	1/2" PVC Tees	32
C	1/2" PVC Cross	6
	PVC primer (clear) -- 1/2 pint	1
	PVC cement (clear) -- 1/2 pint	1
	Plastic tubing cutter	1
<b><i>Garden supplies department:</i></b>		
	Hardware cloth, 1/2" grid, 24" wide by >36" long.	1
<b><i>Electrical department:</i></b>		
	Solid copper wire, #8 gauge	10 feet
	Plastic wire ties (black with metal tabs is best)	About 25
	300 ohm to 75 ohm matching transformer (balun)	1
	Note: the transformer is also available at electronics stores like Radio Shack (their stock number is 15-1140)	
<b>Cut the following pieces from the lengths of pipe listed above:</b>		
PART ID	Description	Quantity
D	1/2" PVC Pipe, cut to 1.375"	7
E	1/2" PVC Pipe, cut to 1.625"	4
F	1/2" PVC Pipe, cut to 3.000"	6
G	1/2" PVC Pipe, cut to 3.375"	4
H	1/2" PVC Pipe, cut to 3.750", 3/16" hole 1.000" from end	8
I	1/2" PVC Pipe, cut to 3.750", 5/16" hole 1.000" from end	10
J	1/2" PVC Pipe, cut to 3.750"	12
K	1/2" PVC Pipe, cut to 4.250"	10
L	1/2" PVC Pipe, cut to 8.750"	4
M	1/2" PVC Pipe, cut to 9.750"	2