

lab test

GIZMOTCHY 3 ELEMENT CB BEAM

The Gizmotchy beam was no stranger to our **CB MAGAZINE** test crew. The Gizmotchy beam was quite popular back in the '60's when citizens band was just getting started. It was always the Gizmotchy beam that put out the best signal, and worked the best DX.

The Gizmotchy beam is still around. The beam assembles quite quickly by following the well-illustrated instruction manual. You can even go one step further and order extra directors to give the beam even more gain.

The way it's originally shipped, you have a 3 element beam with each element approximately 103 inches long. The forward power gain was measured at approximately

12 dB, and the front-to-back ratio was measured at 28 dB. We checked our completed antenna over all 40 channels, and SWR was well below 1.5 to 1. When we added the optional power booster set of director elements, we increased the gain to approximately 15 dB gain forward.

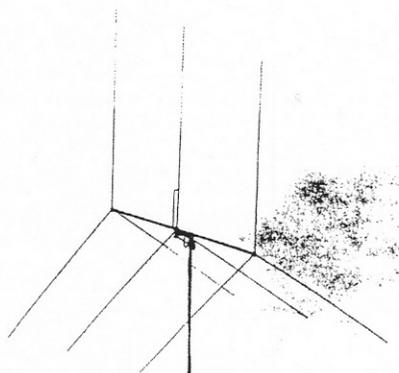
The antenna may be fed either

3,000-mile away skip stations. By examining the feed matching network (gamma match) one could probably run up to 1,000 watts of power into this affair and not have it burn up.

The best feature, beside the good gain characteristics, of the Gizmotchy beam was its simplicity of construction. There was nothing mysterious about the way it goes together. From start to finish it took two of us approximately an hour and one-half to completely assemble it.

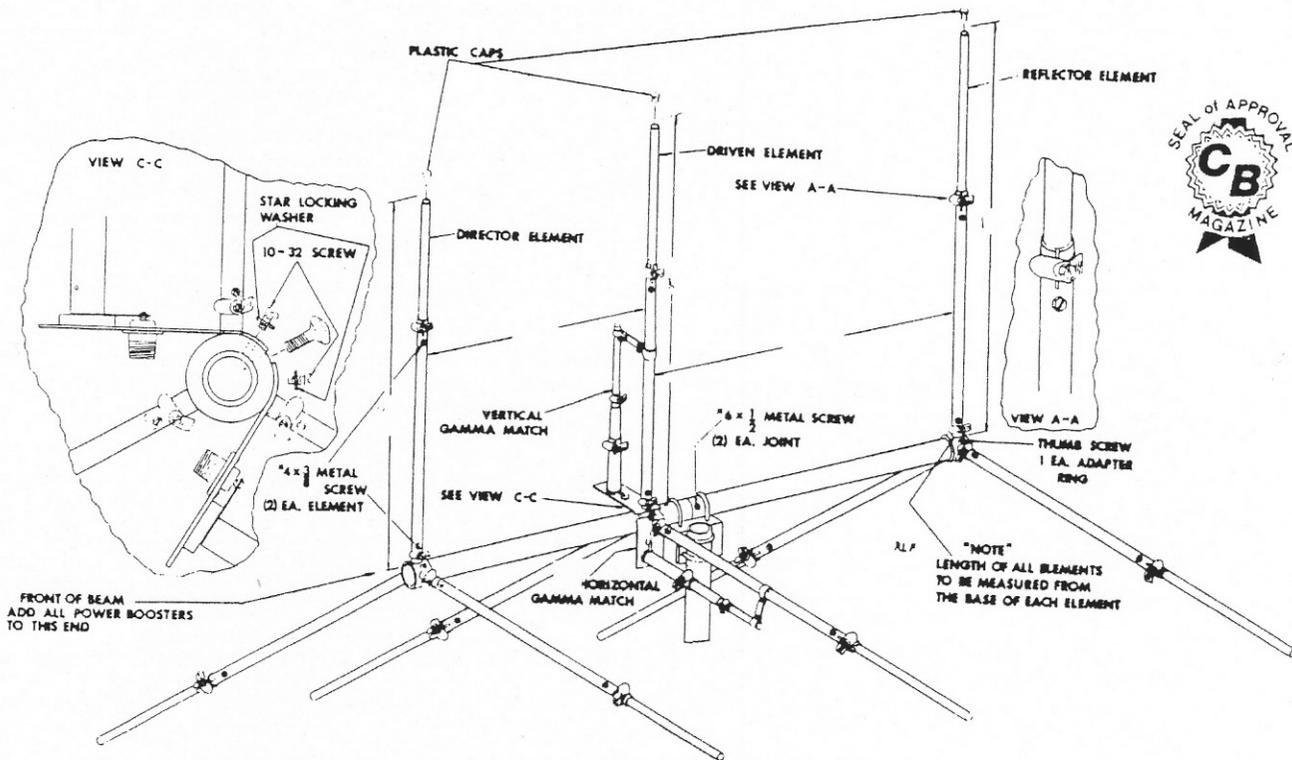
On the air evaluations were all quite positive — our signal strength was well above any other 3 element beam we have tried before. Most of the other beams we have tried before were electrically shortened — and this one is at a full quarter wavelength for each element.

We rate the Charles Gizmotchy citizens band beam antenna at a solid 40 over S9.



The infamous Gizmotchy Beam ... looks weird, but performs great.

vertically or horizontally. Two feed lines are used. We chose vertical polarization to work distant mobile stations. Horizontal polarization seemed to increase our reception to



It looks complicated, but the Gizmotchy Beam is quick to assemble.