

Table 19
432-MHz, 15-Element, Long Boom Quagi Construction Data
Element Lengths, *Interelement Spacing,*

<i>Inches</i>	<i>Inches</i>
R—28	R-DE—7
DE—26-5/8	DE-D1—5-1/4
D1—11-3/4	D1-D2—11
D2—11-11/16	D2-D3—5-7/8
D3—11-5/8	D3-D4—8-3/4
D4—11-9/16	D4-D5—8-3/4
D5—11-1/2	D5-D6—8-3/4
D6—11-7/16	D6-D7—12
D7—11-3/8	D7-D8—12
D8—11-5/16	D8-D9—11-1/4
D9—11-5/16	D9-D10—11-1/2
D10—11-1/4	D10-D11—9-3/16
D11—11-3/16	D11-D12—12-3/8
D12—11-1/8	D12-D13—13-3/4
D13—11-1/16	

Boom: 1 × 2-in. × 12-ft Douglas fir, tapered to 5/8 in. at both ends.

Driven element: #12 TW copper wire loop in square configuration, fed at bottom center with type N connector and 52-Ω coax.

Reflector: #12 TW copper wire loop, closed at bottom.

Directors: 1/8-in. rod passing through boom.