CRUISER Stick 21 inch reach

Biltmore Stick

Tree Diameter (inches)	Reach or distance from eye (inches)	D.B.H. Distance from Left Edge (inches)
6	21	5 5/16
8	21	6 13/16
10	21	8 4/16
12	21	9 9/16
14	21	10 14/16
16	21	12 1/16
18	21	13 3/16
20	21	14 5/16
22	21	15 6/16
24	21	16 6/16
26	21	17 6/16
28	21	18 5/16
30	21	19 4/16
32	21	20 2/16
34	21	21
36	21	21 14/16
38	21	22 11/16
40	21	23 8/16
42	21	24 4/16
44	21	25
46	21	25 12/16
48	21	26 8/16
50	21	27 3/16
52	21	27 14/16
54	21	28 9/16
56	21	29 4/16
58	21	29 14/16
60	21	30 9/16

Where R is reach or distance from the eye (25 inches), D is diameter

Diameter Increment=√[(R(DxD))/R+D]

Merritt Hypsometer

16 Ft Log- 1 log increments (inches)
5 1/16

Height increment=(R/D)*L

Where R is reach or distance from the eye (25 inches),

D is distance from the tree (feet) and L is log length (feet)