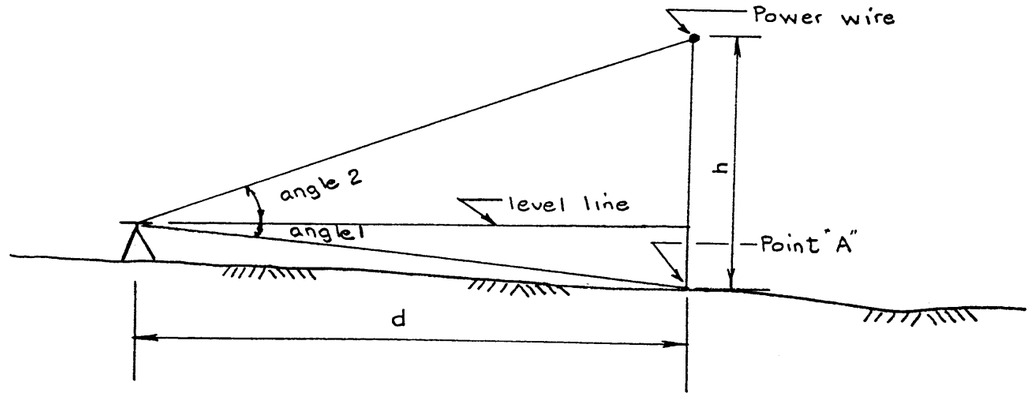
CASE III

LEVEL LINE OF SIGHT IS ABOVE POINT "A"



Note - Sight on point "A" and read angle 1
Sight on power wire and read angle 2

$h = (d \times \text{tangent angle 1}) + (d \times \text{tangent angle 2})$

Example

say angle 1 is 4°-50'
angle 2 is 12°-40'
d is 100 ft.

tangent angle 1 = tangent 4°-50' = 0.0846 (from page 6)
tangent angle 2 = tangent 12°-40' = 0.2248 (from page 6)

$h = d \times \text{tangent angle 1} + d \times \text{tangent angle 2}$
$h = 100 \times 0.0846 + 100 \times 0.2248$
$h = 8.46 \text{ ft.} + 22.48 \text{ ft.}$

$h = 30.94$ feet.

Detailed by B.H. March 11, 1963

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