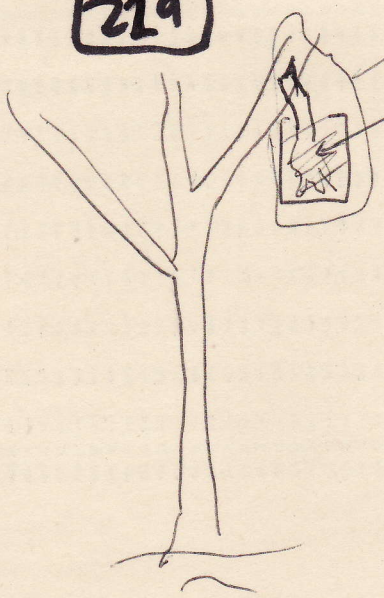
229

1975-10-30

Aerial root grafting

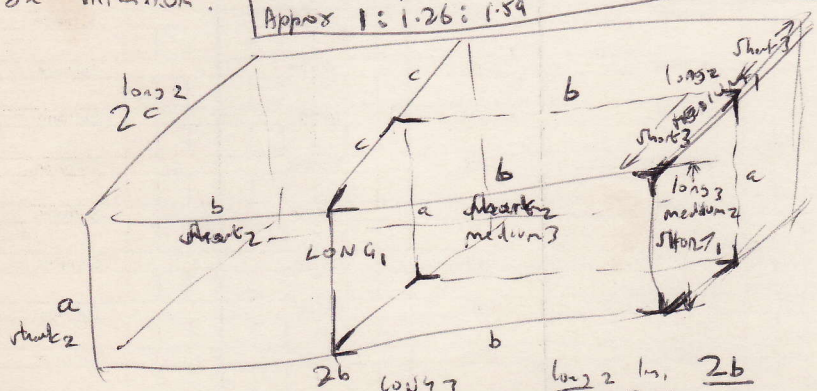


1977-11-22

Divisible box. Divide in half across long dimension, proportions of 2 smaller boxes always same as larger one ad infinitum.

$a = \sqrt[3]{2}b$, $b = \sqrt[3]{2}c$, $a = \sqrt[3]{4}c$

Approx 1 : 1.26 : 1.59

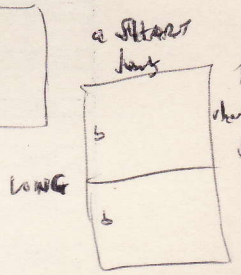


~~$ab^2c = 2abc$~~

$ba = 2c^2$

$2cb = a^2$

$ac = b^2$



$\frac{2b}{2c} = \frac{2c}{a} = \frac{a}{b} = \frac{b}{c}$

$\frac{\text{LONG}_3}{\text{medium}_3 / \text{short}_3} = \frac{\text{long}_2}{\text{medium}_2} = \frac{\text{long}_2}{\text{short}_2} = \frac{\text{long}_1}{\text{short}_1}$, $\frac{2b}{a}$

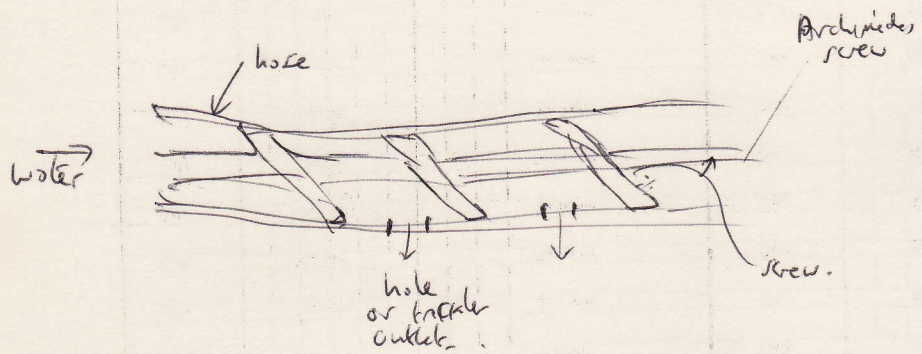
$\frac{2\text{LONG}_2}{2\text{short}_2} = \frac{\text{long}_1}{\text{short}_1}$, $\frac{2b}{a} = \frac{a}{b}$

LONG = 2 short $2b^2 = a^2$

$\frac{b}{a} = \sqrt{2}$

1979-4-5

ARCHIMEDES TRICKLE HOSE



Concept is simply to have an Archimedes screw inside the hose, rotated occasionally to clear roots and force debris to end. Rotation might be quite slow (once/hr) and could be automatic (flow driven). The hose could be used underground, with end capping removable to clear debris etc

Outlet holes & screw vanes could be placed to give a discontinuous supply (masking outlet by the screw)