

Description

The proposed installation at Koll Koll will be for purposes of astrophysical research. These investigations will be conducted at frequencies in the region of 10 to 30 megacycles per second.

A ring of concrete will be sunk into the ground in a location shown by layout drawings. The cross-section of this concrete foundation is shown on a second drawing.

A circular track of 40" I-beam rail will be placed on top of the concrete ring. Upon the track will be a turntable fabricated from steel in a square 58 feet on a side. At each corner will be a motor with drive gears adjusted to move the turntable at a speed of one degree of azimuth per second. Thus six minutes will be required to complete one revolution.

Moana HOTEL

WAIKIKI BEACH, HONOLULU, II, TERRITORY OF HAWAII, U. S. A.

$\frac{3}{96} \frac{31}{298}$

1,1,1,1,1

~~31° 13' 10" = 606~~
~~10 14~~
~~41° 32' 17" = 886~~

Upon the trontable will be a light frame or truss probably made of bamboo. A photograph of a model of this frame is attached. The overall dimensions of this frame at the tips of the antenna booms will be about 216 feet long, 63 feet wide and 50 feet high. Wires will be strung as shown.

The weight of the entire moving structure will be between 10 and 11 tons.

Grote Reber
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