October 31, 1960

Research Laboratories
Convair Aircraft Co.
San Diego, California

Gentlemen:

Last May at the IRE meeting in Seattle your Mr. W. C. Erickson gave a short paper entitled "Design and Operation of a Two-Mile Aperture Antenna." Unfortunately, I was not able to attend this meeting. Radio astronomy experiments have been conducted by me for quite some years. Toward the end of November I will be passing through Los Angeles on my way to Australia to continue these studies. On the way, I would like to stop for a day or two and see your installation at Clark Lake. It seems probable that your methods of feed and phase adjustment will be useful to me. Please advise me where Clark Lake is and what arrangements need be made to get there. In the meantime, I would appreciate copies of any reports, bulletins, results or other literature you may have on this antenna.

Hoping to hear from you at your earliest convenience, I am

Very truly yours,

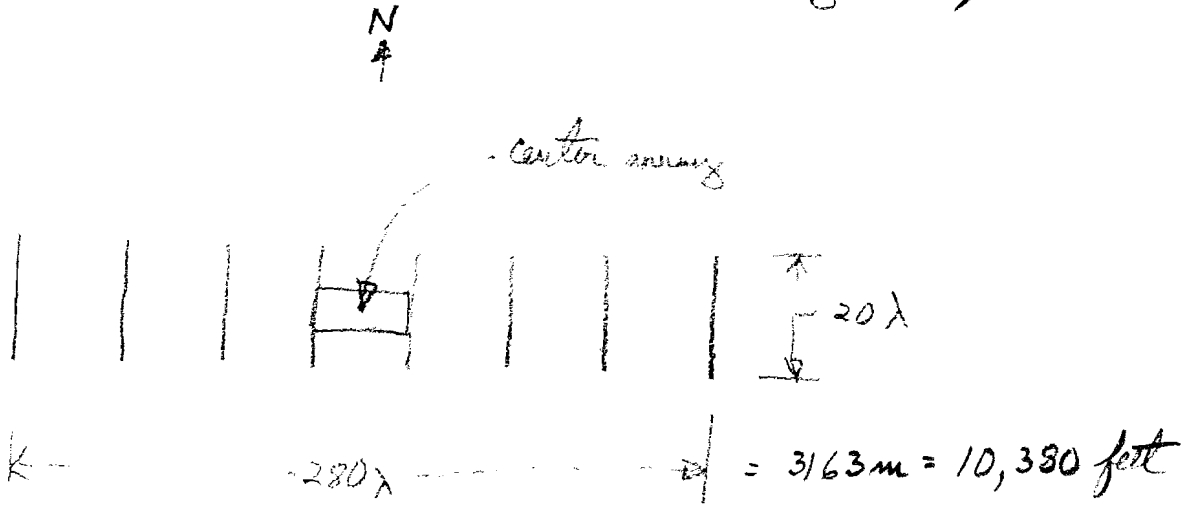
Grote Reber

GR:E

"Design + Operation of a Two Mile Aperture Antenna"

by W. C. Erickson at Clark Lake station of Convair Scientific Research Laboratories, San Diego, Calif.

Seattle section IRE on May 2 & 5 & 6.



Each line 32 folded dipoles. Lines 40λ apart, 8 lines
8 × 32 = 256 dipoles

Center array 160 full wave antennas, probably four lines of 40 each.

frequency = 25.6 mc, λ = 11.3 meters

beam $\frac{1}{4}^\circ$ E-W by 1.5° N-S.