

The Ohio State University Radio Observatory

Established 1951

Operated by the
Department of Electrical Engineering

in cooperation with the
Department of Astronomy

Observing site:

Ohio State-Ohio Wesleyan Radio
Observatory
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Campus office and laboratory:

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Columbus, Ohio 43210

Feb. 12, 1983

Please reply to:

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Delaware, Ohio 43015

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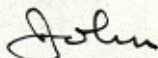
Dear Ken:

Thank you very much for yours of Jan. 10. I do plan to give some personal impressions of Karl Jansky.

Regarding Jansky's antenna (a Bruce beam) I dug out a copy of an article I wrote 48 years ago describing my measurements of a Bruce beam identical to Jansky's except that mine was bi-directional and stationary. See pg. 5 and also the patterns on page 7, also the photo enclosed from "Big Ear".

The Bruce beam was very easy to feed from a balanced 600 ohm line using a $\lambda/4$ stub as a matching transformer and balun. Adjustments were not at all critical.

Best regards,



John Kraus