

National Radio Astronomy Observatory

Charlottesville, Virginia

July 18, 1983

To: VLBA Members

From: M. Balister

Subject: Minutes of the VLBA Electronics Group Meeting - 7/13/83

A meeting of the VLBA Electronics Planning Group was held on July 13, 1983. Present were: L. D'Addario, M. Balister, R. Lacasse, R. Thompson, H. Hvatum, J. Carter, A. Rogers, J. Campbell, and S. Weinreb.

Balister advised the committee that he had arranged and edited somewhat the Electronics contribution to the new updated VLBA plan so that it matched the planned table of contents. Hvatum has asked D'Addario and Rogers to critically review the Electronics contribution before the final report is handed to Kellerman and the Scientific Committee for final review.

There was some discussion about the exact 8 GHz band for the VLBA receivers. At the moment we are planning optimum performance between 8-8.8 GHz, although the 7.9-9.1 GHz band may be useable. We need to look into limitations of the IF processing to see where the actual limits of this band occur.

It was decided to ask Mr. Bullington (ex-Bell Labs), a consultant in radio links, to advise NRAO on the feasibility of the various proposed links to the close in (to VLA) VLBA antennas.

The next meeting will be on August 17, 1330 EDT, (203) 797-9062.