

## National Radio Astronomy Observatory

Green Bank, West Virginia

To: Addressees

November 19, 1980

From: R. K. Moore

Subject: Interferometer Baseline

ADDITIONAL BASELINE TO INTERFEROMETER

MEMO No. 130

A meeting was called at 1330 November 19 in the Green Bank Teleconference Room to discuss the new antenna price estimates obtained by the group which visited RSi, E-Systems, and Scientific Atlanta on 28, 29, and 30 October (R. Fisher, L. Howell, B. Peery and J. Ralston) (Ref. Memo #129). At the Green Bank Teleconference Room the following were present: J. Ralston, L. Howell, R. Fisher, F. Crews, R. Weimer, R. Lacasse, M. Balister, R. Fleming, D. Hovatter, J. Coe, R. Moore). B. Peery was present in the Teleconference Room at Tucson.

R. Fisher opened the meeting and stated that its purpose was to review the memo prepared by B. Peery resulting from the visit to the three firms previously mentioned; as a result of this review a draft of a proposed letter to the Navy would be prepared containing the results and our recommendations. This letter would be forwarded to H. Hvatum for review and then sent to Navy at their request over the Director's signature.

B. Peery was requested to summarize his report which he did in detail. Several points were discussed concerning pointing accuracy, prime focus vs. cassegrain and the capability of the three firms to meet what we believe to be our minimum specifications. B. Peery, in his memo, recommended E-Systems be seriously considered because the antenna is twice the diameter of Scientific Atlanta's proposal and is believed to be structurally superior. From Buck's calculation the E-Systems' antenna would be about \$130,000 more than that proposed by Scientific Atlanta.

R. Fisher polled key members of the group and it was then concluded that the preferred antenna was E-Systems and that this would be indicated in the proposed letter to the Navy. However, it was also concluded that if the Navy should so desire, the Scientific Atlanta antenna would probably be adequate for the purposes which they intend for NRAO to use it.

The meeting was concluded by R. Fisher stating that a draft of proposed correspondence to the Navy would be prepared in the near future and forwarded to review and further action by H. Hvatum and M. Roberts.

RKM/baw

ADDRESSEES:

M. Balister (R. Lacasse)	S. Smith
J. Coe	R. Weimer
F. Crews	D. Hovatter
L. Howell	R. Fisher
H. Hvatum	R. Fleming
B. Meredith	J. Ralston
B. Moore	
B. Peery ✓	