

## National Radio Astronomy Observatory

12-meter Telescope Meeting No. 19

October 20, 1981

1. Present: CV: H. Hvatum, J. Findlay, L. King, W-Y. Wong, J. Marymor  
GB: M. Balister, T. Hamed, A. Steinemann, D. Madron,  
R. Moore, J. Ralston, G. Peery, M. Haynes, R. Weimer  
TUC: D. Webb, J. Payne, D. Ross, P. Rhodes  
SOC: W. Horne

2. Memos (HH):

- No. 82 - Mounting holes, etc. OK.  
No. 83 - Minutes. OK.  
No. 84 - Data collection. OK.  
No. 85 - Purchase of reference jig.  
T. Hamed: Frame is now being fabricated at Green Bank.  
No. 86 - Jig report. Looks OK.  
W-Y. Wong: Template design going ahead; see below.  
No. 87 - Data taking. OK.

3. Panels and Template

W-Y. Wong - Template design fairly complete--now passed over to A. Steinemann. Discussions next week with him and Buck Peery. A. Steinemann thinks it will be OK for Green Bank fabrication.

4. Center System, Stepping Bar, etc. (J. Ralston):

All going ahead satisfactorily. Drawings will soon be ready for review. JWF will arrange for stepping bar electronics.

5. Back-up Structure (W. G. Horne):

Six companies have declined to bid; the rest are still outstanding. No major errors yet found in the drawings. Bids are due here on Monday. WGH will be in Charlottesville, perhaps at the time of the Users meeting.

6. Interface Problems:

One member is still under discussion between electronics and L. King.

Generally interfaces seem to be OK. It may not be necessary to have a meeting (Memo No. 83, para. 2).

7. The Sub-reflector Movement (J. W. Findlay and J. M. Payne):

L. King will complete deflexion analysis. Problems then may need good study. Perhaps R. Fisher can help. Napier has sent JWF a computer program. Payne will watch.

8. Inductosyns:

A detailed discussion (R. K. Moore and R. Weimer) took place, with a lot of prices quoted. RKM will summarize in a memo for the next meeting.

A. Steinemann - Template can be completed before the inductosyns enter the GB shops. Inductosyns might come onto telescope by October 1982.

P. Rhodes - Would not plan to keep ability to use present Baldwin encoders as a fall-back.

9. Panel Shipping:

W. Horne is doing some analysis on shipping methods. Unless advised otherwise, JWF still proposes to follow ESSCO method.

JWF/pj