

National Radio Astronomy Observatory

12-Meter Telescope Meeting No. 16

September 15, 1981

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

2. Memos: H. Hvatum
 - No. 72 - Meeting No. 15. Photographs of 36-foot will soon be ready.
 - No. 73 - Aperture blockage. Legs have 5" x 9" rectangular section.
 - JWF - Use of template at Tucson is OK.
 - MAG - Is contented with present design of feed legs.
 - No. 74 - Accounts: 2911.1 needs changing to \$8750 commitment and \$1000 later commitment.
 - D. Webb - Crane costs at Tucson - Modification of riprap around dome base may save crane costs but itself cost money.
 - HH - This work needs to be cost-estimated in more detail before the accounts are altered.

3. Reflector Structure:
 - (a) Specifications will be discussed next week (J. Marymor).
 - (b) They will go out as Memo No. 75 (HH).
 - (c) The BUS is a pacing item (JWF).
 - (d) The drawing situation--48 drawings make a set.
 - (e) D. Ross is concerned with some members--he will discuss this with L. King.

4. Surface Panels:
 - (a) Progress at ESSCO - HH has spoken to Gene Rhoads--materials have been ordered. Mold being measured. NRAO first visit, 1-2 weeks of November. All panels shipped by first week of February.
 - JWF - Suggests a paper at URSI in January, co-authors NRAO and ESSCO.
 - MAG - Assign department responsibility to various tasks on PERT.

5. Encoder Changes:

JMP: Proposal to change present encoders with inductosyns. Will get better reliability and perhaps 22-bit accuracy.

HH: The \$30k in OOE is for this task?

JMP: This should be enough. Discussion on housing for inductosyns--to be made in Green Bank.

HH: Balister, Weimer, Payne and Gordon are to work more on this problem.

6. Reference Jig and Template:

(a) The RJ drawing has been sent out to get costs and delivery times (T. Hamed).

(b) The template design (WYW) is going ahead. The plan is to fabricate the template in GB shops. WYW will keep in touch with A. Steinemann as the design develops.

JWF/j