

NATIONAL RADIO ASTRONOMY OBSERVATORY

Charlottesville, Virginia

1984 December 10

To: Coordinating Committee
From: P. Sebring
Subject: Notes from CC Meeting, 1984 December 7

Participants

NRAO-CV H. Hvatum, Moderator
 L. D'Addario
 M. Balister
 B. Cotton
 R. Burns
 W. Porter
 R. Thompson
 C. Walker
 P. Sebring

NRAO-GB K. Kellermann

NRAO-VLA B. Clark
 P. Napier

NRAO-SOC W. Horne

Caltech A. Readhead

Haystack Not represented

1. Action List, 84 Dec 4 update

1.1 A/E Contract. Porter and Peery go to Albuquerque next week for negotiations with the selectee, Stevens, Mallory, Pearl and Campbell. Bill anticipates an approved contract by 1985 Jan 30, but plans to authorize survey of the Pie Town site sooner.

1.2. Project Book Update. Peter has sent his section on feeds, etc. to Carolyn. Barry's is still not done. He says it needs major revisions. Same story with Dick Thompson, who is still wrestling with budget-enforced revisions to his program plan for receivers, H-masers, etc.

1.3. Final M/C Documentation. Barry says he'll try to complete by next meeting.

1.4. Decide Front-ends, 23 and 43 GHz. Complete. Dick has issued Electronics Memo #31 on this. It was decided to

put this into the General series as well.

1.5. 2-16 GHz Synthesizer Breadboard. Dick reports Bob Mauzy will have this complete by the Dec 31 target date.

1.6. Specify M/C and Correlator Language and Op. Syst. Barry says looking at Fortran, PASCAL and C. Plans to visit Marty on this and get a decision in Jan. 85.

2. Meeting Schedule for 1985.

Hein distributed prelim version and asked for changes by today, Dec 10. Will then send to Connex. In response to popular demand, the CC meeting will be shifted from 1530 hr Eastern Time to 1300 hr Eastern Time, beginning Jan. 1, 1985. PLEASE NOTE THE ABOVE!

3. Workshop in Jan. or Feb. 1985

Place and time: Socorro, week of January 21.

Purpose: To fulfill an urgent need for specific engineering decisions in several areas. Larry and Peter were commissioned to organize the agenda.

Attendees: Discussion of this seemed to lead to a meeting many felt was far too large to reach hard decisions in reasonable time. Others felt that if more people, particularly scientists, were present, presently unrecognized problems would be brought out. The writer is unsure of the final resolution of this question. I suspect Hein will approve a final list.

Comment: Since this workshop is specifically aimed at engineering decisions, it was proposed that we have a more general Project review at Green Bank in the fall of 1985.

Note: A meeting is still planned for Jan. 3 at C'ville with Haystack and Caltech to resolve certain differences in design philosophy in the Data Recording/Playback area - agenda to be determined at DR meeting Dec. 12.

4. Other

4.1 Subreflector. A better planning estimate is needed. Should we go for the best performance at 86 GHz even if the antennas are a bit less efficient at lower frequencies? If so, perhaps we should return to the paraboloid-hyperboloid configuration. The shaped subreflectors are going to be expensive. More consideration needed?

4.2 Communication. Burns' people are working on getting the present computer mail system to work as it once did before investigating to find a better new system. Ewing deplores Haystack's tendency to rely on mailed conventional memos.