

NATIONAL RADIO ASTRONOMY OBSERVATORY

Charlottesville, Virginia

1985 March 01

To: Coordinating Committee  
From: P. Sebring  
Subject: CC Meeting Notes, today

Participants

NRAO - CV: Romney, Benson, Hvatum (Chmn), Porter, Burns, Sebring  
- GB: Kellermann, Peery  
- Soc: Horne  
- VLA: Napier, Walker, Clark  
- TUC: D'Addario

Haystack: Rogers

Caltech: Readhead, Seling

1. Action List, 22 Feb 85

1.1. Spec details corr output. Benson says "by 5 tonite!".

1.2. Software stds. Barry says one more hour's work.

Done.

1.3. Ant Polariz perf. Peter says JPL has agreed to help.  
New date 1 Apr.

1.4. Choose microcomputer devel systems. Alan asks if Levine's proposal (to get emulator for the H-P system they bought) is acceptable. Barry agrees in principle, but would like to study the manual. Rogers will oblige.

1.5. Decide use of AT chip in corr. Ted Seling says they run solidly up to 16 MHz, and flakily up to 22. No lower than 1 MHz. Still gathering data. Bring up next week.

1.6. Calc interference tolerances. Being written up.

1.7. RFI Ft Davis. Cannot begin next week. Schedule conflict. New date Mar 14.

Craig asks if measurements should be started in Hawaii. Peter says we should be very well prepared in terms of exact site possibilities before sending people and equipment to such distant sites. Hein wishes to set up a meeting next week to establish a philosophy with regard to RFI studies of sites.

Hein's RFI meeting was agreed upon for Monday, Mar 4 at 1500 EST. He agreed to extend this meeting to include a discussion of a schedule for sites selection asked for by Craig. Hein will invite the attendees.

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2. Order of Station Construction. After some discussion, Hein obtained agreement on the following order of Stations: PIE TN, KP, LOS AL, FD, WA, PR, IOWA, OV, HI, MA. This is the alternate list we have been considering for some time, but with OV and WA interchanged.

The question of whether a Station is to be built at Green Bank instead of one of the above is to be considered by the director. If the answer is yes, the ordering of the Stations will be reconsidered.

Since the new order is different than the one in the antenna contract, Bill Horne says a change order will be needed, and it should be put in early, before the contractor becomes disgruntled by the realities of any such large project.

3. Hein reviewed budget bud25y, which has been shared with cc via VAX. He has assigned to contingency the approximate half of the increase in the bottom line attributable to reestimations and to items we forgot. The other half, however, being due to funding shuffles by the NSF, will result in a request for more money toward the end of the Project. Peter hoped that there were no more large items omitted from this new budget. (So do I!).

4. Project Book. Larry says Sites, Recording, Digitization and Electronics updates are all in. M/C and Corr still due. Apparently Carl has sent in a new section on Operations of which Larry was unaware.

5. Antennas. Bill Horne reports agreement between UAi's analysis and Lee King's at this point. He will be reviewing drawings in 4 weeks. Feels the RSi/UAi effort is going well.

6. Science Meeting. Ken asks for items. Rogers' Pulsar Observing draft will be discussed. Also the Question of a 3-mm receiver in place of one of the others now planned. Time of the meeting was discussed but I don't know the decision. Watch sked for time and station.

7. Apology. From me. For sloppy notes. I'm going away.

c50301.wp

01-Mar-85

KEY: + New Item  
\* Complete

Action Item	Orig date	Due date	By
Spec details corr output	01-Jan-85	01-Mar-85	* Benson
Propose software standards	11-Jan-85	01-Mar-85	* Clk/Ewg/Rgs/Wk
Calculate interference tolerances	01-Mar-85	01-Mar-85	Thompson
Choose microcomputer devel systems	01-Mar-85	01-Mar-85	Rogers/Ewg/Clk
MC Standard Interface Spec.	22-Jun-84	07-Mar-85	Clark
Decide on use of AT chip	01-Mar-85	07-Mar-85	Ewing
Spec M/C/Corr lang. & OS	01-Aug-84	15-Mar-85	Clark/Ewing
Servo/MC interface	15-Jan-85	15-Mar-85	Horne
RFI Ft Davis Start	15-Feb-85	15-Mar-85	Napier
Pie Town Schedule	15-Mar-85	15-Mar-85	Sebring
RFI Ft Davis Complete	29-Mar-85	29-Mar-85	Napier
Eval ant polarization performance	01-Feb-85	01-Apr-85	Napier
2-16 GHz bbrd tests complete	01-Mar-85	01-Apr-85	Thompson
Decide op interface implementation	01-Apr-85	01-Apr-85	Clark
Decide corr Mflops for calibration	01-Apr-85	01-Apr-85	Ewing
Los Alamos land proposal	01-Apr-85	01-Apr-85	Buck
RFI Iowa (2 sites) Start	26-Apr-85	26-Apr-85	Napier
Spec Mon database & Corr interface	01-Jan-85	01-May-85	Romney
Select Hawaii site	01-May-85	01-May-85	Buck
Where do phase cal detectors go?	01-May-85	01-May-85	D'Addario
How should TP/gain cal be done?	01-May-85	01-May-85	D'Addario
Electronics packaging standards	01-May-85	01-May-85	Thompson
RFI Iowa (2 sites) Complete	28-May-85	28-May-85	Napier
Propose DPS-Cor interface spec	01-Jul-85	01-Jul-85	Rogers/Ewing
AOC design concept discussion	15-Jul-84	01-Sep-85	Buck
Contract NMIMT	15-Jan-85	01-Sep-85	Porter
AOC Design Concept Complete	01-Jun-85	01-Dec-85	Buck
Antenna test controller	15-Mar-85	15-Mar-86	Clark
Feed Cone Delivery	15-May-86	15-May-86	Horne
Antenna Power Available (P.T.)	01-Jul-86	01-Jul-86	Peery
Start Assembly Antenna 1	15-Oct-85	15-Aug-86	Horne
Focusing Feed Mount Delivrd (P.T.)	15-Sep-86	15-Sep-86	Horne
Cmd Source-Servo (ACTU, Comp.) (P.T.)	15-Oct-86	15-Oct-86	Horne
Focusing Fd Mt Ctrl Wiring (P.T.)	15-Oct-86	15-Oct-86	Horne
Suppt Tube, Subrefl Inst (RSi) (P.T.)	01-Nov-86	01-Nov-86	Horne
Focusing Fd Mt Inst (RSi) (P.T.)	01-Nov-86	01-Nov-86	Horne
Feed Cone Inst (RSi) (P.T.)	15-Nov-86	15-Nov-86	Horne
Antenna 1 Acceptance	15-Feb-86	01-Dec-86	Horne
Cryogenic Platform Inst (P.T.)	01-Jan-87	01-Jan-87	Horne
Cables Inst-Focusing Fd Mt (P.T.)	10-Jan-87	10-Jan-87	Horne
Elec Junction Boxes Inst (P.T.)	15-Jan-87	15-Jan-87	Horne
Pltfrms&Strwys Inst-Vertx Rm (P.T.)	30-Jan-87	30-Jan-87	Horne
Cryogenics&Piping Inst (P.T.)	30-Jan-87	30-Jan-87	Horne
VLBA Dedication	10-Oct-90	10-Oct-90	

Items from Socorro meeting without dates:

Decide pulsar support modes	?
Decide various station locations	Walker