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 From: RBROWN@CVAX.CV.NRAO.EDU  
 Message-Id: <901121134428.2e2d@CVAX.CV.NRAO.EDU>  
 Subject: Millimeter Array  
 To: demerson@tucvax.tuc.nrao.edu, pjewell@tucvax.tuc.nrao.edu,  
 adowd@killians.tuc.nrao.edu, jlamb@tucvax.tuc.nrao.edu,  
 rfreund@tucvax.tuc.nrao.edu, tcornwel@sparc2.aoc.nrao.edu,  
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 npapier@zia.aoc.nrao.edu, rhjellmi@zia.aoc.nrao.edu,  
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 tromero@zia.aoc.nrao.edu  
 X-Vmsmail-To: @MMASP.DIS  
 Status: R

MINUTES OF THE MMA COORDINATION MEETING 11/9/90

1. Reporting

MMA Working Groups	Chair
Site and Configuration	Owen
Antennas (incl. Optics and Pointing)	Lamb
Imaging	Cornwell
Electronics	Balister
Correlator	Dowd
Signal Transmission	Freund
Computing	Hjellming

2. Public Relations

Cam Wade noted the increasing attention the MMA has been getting in the press and the need to consolidate our handling of requests for information on the MMA. He will prepare and distribute a press kit. [Subsequent to the meeting, Cam agreed to serve as the "MMA Contact Person". Refer requests for information on the MMA to Cam 505-835-7232.]

3. Working Group Progress Reports

Site: Testing radiometers running at Springerville, South Baldy and Mauna Kea. Aerial photos taken of the 3 continental sites. Print scale, 300 ft./inch; also have stereo pairs.

Antennas: In contact with the SAO group. Evaluating the possibility of replicating large portions of the MMA reflector (the whole?) at U of A facilities.

Imaging: Working on tests to be conducted in 91. Plan CO in M51 (NMA plus 12m) and HI in IC342 (VLA+VLBA). Simulations to include pointing self-calibration.

Electronics: ARK distributed plan for future SIS mask sets including masks for tunerless mixers. Comments on the plan are welcome.  
60-90 GHz HEMT amplifier design progressing.  
Wideband LO is an area where more development/investigation emphasis is needed in 91.  
Significant recent progress on 4K Gifford-McMahon coolers.  
Power consumption by the telescope electronics is likely to be significant. Need an estimate of the overall demand.

Signal Transmission: Working group still being organized.  
MMA needs quite similar to VLA upgrade for which an analysis is underway.

Correlator: Accumulating information on work in progress at other observatories.

Computing: Have a zeroth order outline of plans for 91.  
Concerns include an analysis of the needs and data rate; interactions with the "new AIPS" effort; interaction with analysis software generated elsewhere; and definition of modes of real-time control.

#### 4. Miscellany

(a) MMA Technical Workshop (internal NRAO). We will hold the workshop immediately following the NSF MMA Site Review which is to be scheduled sometime between mid-Feb and mid-March.

(b) Viewgraphs: Send comments/corrections to RLB

(c) MMA Newsletter: Suggestions for title? "MMA Mosaic"?

#### 5. Next Meeting:

MMA Coordination  
Friday 7 December  
1100 EST  
Connex 913-749-9345  
ID# A61E

#### Topics:

-January Meeting Agenda  
-Written reports of planned Working Group activities in 1991.