

Interoffice

National Radio Astronomy Observatory

Green Bank, West Virginia

ADDITIONAL PAGE TO INTERFEROMETER

MEMO No.

160

To: Monterville Project Group

January 28, 1982

From: R. K. Moore

Subject: Minutes of January 27 Meeting

Meeting was called by R. Fisher to review progress of project since last meeting in November 1981. Present in Green Bank were: R. Fisher, R. Lacasse, F. Bierer, B. Peery, L. Howell, R. Fleming, D. Hovatter, S. Smith, F. Crews, J. Coe, and R. Moore. Present in Charlottesville were: H. Hvatum, B. Meredith, and M. Balister.

R. Fisher opened the meeting by requesting a status report on those areas assigned as a responsibility of an individual of the group.

R. Moore reported that leases for the Monterville and the Cheat Mountain sites had been concluded and the first year's rent paid. A permit has been obtained from the State Road Commission to enter on Rt. 15 with an access road to the site. A rough road has been prepared to the site proper and the timber has been cut. Site will be leveled and graded when weather permits.

S. Smith reported that bids are out for a parameter fence and a vendor has been selected to do the core drilling. The drilling will be accomplished as soon as the weather permits.

R. Fisher reported that the second 400K from the Navy had been received by an amendment to the AUI Contract. R. Fisher will contact B. Klepczynski to determine the status of additional funds that are due in this fiscal year. Financial statement as of 31 December is enclosed for information. J. Coe reported that more money will have to be allotted to the link by 1 July 1982 or the link schedule will have to slip.

F. Crews stated that he would like a review of how personnel charges are to be accomplished against the contract. A conversation ensued among participants which indicated that there was a need for clarification. As a result, D. Hovatter was requested by H. Hvatum to prepare a numbered memo stating how these charges were to be made.

B. Peery reported that a review of the antenna procurement had been conducted with TIW on 26 January in Green Bank. He summarized that technically everything looked good, on schedule, and that he was well pleased with the design and progress.

R. Fleming reported on the contract and stated that it was on schedule, program reports received monthly, and everything looked good. R. Fleming will prepare a summary memo on the results of the 26 January review meeting to be published with a copy of the TIW schedule in the numbered series in the near future. It appears that all concerned are very pleased with the technical and administrative aspects of the TIW contract thus far.

R. Moore reported that the power company had been requested to provide power to the site. A copy of the request is enclosed.

J. Coe stated that the link design was on schedule but said again that he will need money by 1 July to keep it on schedule. He requested that R. Fisher change the electronics element in the schedule to the month of April 1982; he sees no delay because of this change and R. Fisher approved.

B. Meredith reported on computer programming. He has been trying to get G. Conant to decide whether he will do the work for us. At this point Bill seems to have doubts that Conant will accept. B. Meredith has talked to the Naval Observatory and feels we will get a lot of help from them on computer programming.

F. Crews reported on telescope control systems. He stated that TIW may have a servo system that would interest us, however we must make some definite plans in February to provide some type of a system so as not to hold up TIW when the telescope is delivered. He further indicated that the inductosyn was in the works and would be completed ahead of schedule and put on the shelf.

L. Howell reported on telescope accessories. He stated that he is checking on sources for accessories, wind speed devices, radio for vehicles, etc. Subject of a new 4x4 vehicle came up and a meeting was requested on this subject on 28 January. R. Moore reported that he had requested the District Office of the State Road Commission to consider snow removal at the Monterville Site on a contract basis. He will followup early part week of 1 February. Should the SRC favor our proposal, the type of 4 WD vehicle we need at the Monterville site will be better defined.

R. Fisher indicated that the list of names authorized to commit funds on the project was still pending in T. Riffe's office. He asked H. Hvatum to see where this stands. It was then stated that we would handle commitment at Green Bank to the limit of the present authority as needed.

R. Fisher discussed the schedule distributed on Memo #159 in some detail. All questions were resolved and it appears, in the main, that near term items are on track and proceeding satisfactorily.

F. Crews was asked to accept the responsibility of insuring that necessary cables were obtained prior to the time that the telescope arrives on site.

R. Fleming as Site Safety Officer noted that considerable work will be performed at the Monterville site away from the immediate area of Green Bank and a doctor. He emphasized that Division Heads should provide, on the site, necessary safety equipment for the safety of their personnel. He will purchase any items which the Division Heads may suggest that they need. R. Fisher requested that this be done within the next two weeks.

The meeting was closed at 12:00 and no date was established for the next meeting.

APPROVED: \_\_\_\_\_  
J. R. Fisher

ASSOCIATED UNIVERSITIES, INC.  
National Radio Astronomy Observatory  
Financial Status Report  
Interferometer Baseline Addition  
December 31, 1981

<u>Description</u>	<u>Proj. No.</u>	<u>Allocation</u>	<u>Expended</u>	<u>Transferred to Fixed Assets</u>	<u>Balance Construction in Progress</u>	<u>Committed</u>	<u>Expended and Committed</u>	<u>Free Balance</u>
Site	8.110.0	60,000	9,665	-0-	50,335	4,688	14,353	45,647
Telescope	8.111.0	640,000	13,406	-0-	626,594	611,532	624,938	15,062
Link-Electronics	8.112.0	65,000	5,849	-0-	59,151	-0-	5,849	59,151
Link-Digital	8.113.0	20,000	1,219	-0-	18,781	-0-	1,219	18,781
Computer	8.114.0	5,000	1,062	-0-	3,938	591	1,653	3,347
Unallocated		<u>30,358</u>	<u>8,681</u>	<u>-0-</u>	<u>21,677</u>	<u>-0-</u>	<u>8,681</u>	<u>21,677</u>
Total		820,358	39,882	-0-	780,476	616,811	656,693	163,665



# NATIONAL RADIO ASTRONOMY OBSERVATORY

POST OFFICE BOX 2 GREEN BANK, WEST VIRGINIA 24944  
TELEPHONE 304 456 2011 TWX 710 938 1530

December 4, 1981

Monongahela Power Company  
Box 1458  
Elkins, West Virginia 26241

Attn: Mr. Ray B. Teets, Jr.

Re: Monterville Site Electric Service

Gentlemen:

In reply to your letter of June 16, 1981 we have finalized our site location on Point Mountain for a new telescope and established our electrical requirements.

We definitely need 120/208 volt, three phase, 4 wire service. The estimated demand is 30KW with an estimated monthly consumption of 10,000 KWhrs.

You will note from the attached sketch, of the site plan, we propose to take service at your pole No. 147 and run 4 - #2/0 cables underground, direct burial, to our service point. If metering could be installed on your service pole it would eliminate a need for your meter reader to have a key to our enclosed area. The site will not be attended, except for maintenance, and the entrance will be locked.

We will begin moving equipment to the site in May 1982 and will need electric service no later than June 1, 1982.

Please give us your best estimate of the construction cost for this service and a statement of the amount we would be expected to pay.

We will then prepare a purchase order which must be referenced in the agreement you will probably want us to sign.

Very truly yours,

Robert K. Moore,  
Business Manager

BP/baw  
Attachment

cc: B. Peery  
R. Fisher  
R. Fleming