

Interoffice

12 METER MILLIMETER WAVE TELESCOPE

National Radio Astronomy Observatory  
MEMO No. 90

Green Bank, West Virginia

To: H. Hvatum

October 26, 1981

From: R. K. Moore

Subject: Estimated Costs for 12 Meter Inductosyns

Per your request we have arrived at an estimated cost and delivery for 12 meter Inductosyns -- should they be made in Green Bank. The Green Bank 300' Inductosyn was used as a basis for our estimates. As you know drawings for the 12 meter Inductosyn are not completed. The costs that follow are for the Inductosyn Assembly only and do not include the Read-Out Assembly which I understand will be required. It is an in-house make item by the Electronics Division.

Inductosyn Assembly 3 ea.

Stainless Steel material for 3 assy's	\$ 2,227.00
Stress relief, dwg. items 1, 2 & 3 (9 pcs. @ \$20.00 ea)	180.00
Grinding, dwg. items 1 & 3 for bearing fit, \$425.00 ea.	1,275.00
Kydron Bearings, pr \$600.00	1,800.00
Stainless Steel plates (Farrand Controls) \$3,365.00 ea.	10,095.00
Hardware (Connectors Resolver) \$190.00 per set	<u>570.00</u>
Total	\$16,147.00

We estimate 300 manhours each for the assembly. It now appears that we could start the Inductosyns shortly after 1 January 1982 and complete them in April.

RKM/baw