

GR:NER

17th April, 1963.

Dr. Harold H. Lane,  
Astronomy Section,  
National Science Foundation,  
WASHINGTON 25, D.C.,  
U. S. A.

Dear Dr. Lane,

Thank you for your informative and detailed letter of the third. In accordance therewith I have drawn up the additional information you request. Enclosed herewith are twenty copies; the first of which has been signed by me.

My radio telescope for 150 metres wavelength has been operating for several months. As autumn approaches the useful observing time is steadily increasing. I expect the coming winter to provide a large amount of high quality data.

Best regards,

Grete Reber.

1. Salaries.

None. My personal expenses are covered from other sources.

2. Permanent Equipment.

(a) Press to form small metal parts.	\$ 150
Furnace and dies to make toy lead soldiers; actually counterweights.	100
(b) Strain gauge equipment.	300
(c) Vats for mixing polyfoam.	200
Extensometer to measure deflections.	250
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	1000

3. Expendable Equipment and Supplies.

(a) Metal sheet, rod, tube, wire.	250
Plastic sheet, rod, tube.	250
Wooden forms.	100
Gears, motors.	350
Labor on construction.	2250
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	3200
(b) Metal tube and angle.	400
Special wire.	50
Jack.	100
Servo device.	250
Test blocks and supports.	300
Labor on construction and test.	1000
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	2100
(c) Special foil.	500
Polyfoam.	200
Forms.	250
Test blocks and supports.	350
Labor on variety of panel shapes and sizes.	1200
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	2500

4. Travel.

None. Such expenses will be small and not worth dividing from other travel accounts.

5. Publications.

Engineering books and bulletins.	\$ 100
Drawing and photography.	100
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	200

6. Other Direct Costs.

None.

Grand Total           \$9000.

This proposal has not been submitted to any other sponsor either government or private. The NSF has been chosen for possible support because past investigations of this matter have been in relation to my associations with AUI and NRAO. See pages 3 and 4. If the experiments are successful the logical development will be along avenues which are primarily the interest, responsibility and capability of the federal government. See page 5.

The policies of NSF outlined on page 13 of bulletin entitled "Grants for Scientific Research" are satisfactory to me.