

12 METER MILLIMETER WAVE TELESCOPE

MEMO No. 160

National Radio Astronomy Observatory
Tucson, Arizona

May 10, 1982

MEMORANDUM

TO: M. Balister

FROM: J. Payne

SUBJECT: Holographic Measurement of the 12-m Surface

After reading Craig Moore's memo and seeing the results of Peter Napier's work, I feel that we should proceed immediately with the holographic technique.

If money is a severe problem it may be possible to use the mixers out of the 9 mm receiver. For the reference antenna one of the old surplus "searchlight" reflectors may be useable.

With the large amount of VLA software already developed it seems that we could easily have a system ready to check the new surface when it is installed. I think it would be nice to have this system as a backup for John Findlay's system. He agrees.

c: H. Hvatum