

12 METER MILLIMETER WAVE TELESCOPE

MEMO No. 165

NATIONAL RADIO ASTRONOMY OBSERVATORY
Tucson, AZ

May 19, 1982

TO: H. Hvatum
FROM: J. M. Payne
SUBJECT: Possible Fix Up of the 12m Drive

For some years, we have been loosely talking about fixing up the drive system of the 11mm telescope.

Alan Moffet mentioned to me today that Cal Tech has two cross roller bearings complete with bull gears. There are also all the gear reducers and pinions necessary to produce a high quality anti-backlash drive. The two assemblies were purchased in the early 70's and were intended for rebuilding the 90 ft antennas in Owens Valley. They are unused, still in the original packing cases and are probably not of the slightest use to us. Still, I wonder if Bill or Buck might look into it. They cost 50K each when new.

Alan says Cal Tech would be delighted to donate these to NRAO.