Tony Hamed

## 12 MEIER MILLIMETER WAVE TELEBCOPE MEMO No. 71

From: John Payne

Subject: $\quad 12$ M Selection Mirror

We now have some specifications on the receiver selection mirror for the 12 N antenna. The selection mirror may be used down to frequencies of 30 CHZ but will require that our existing 9 mm continum receiver is modified to be a single feed system. At frequencies below 70 GHZ a 45 cm diameter clear aperature must exist above the selection mirror. This will be achieved by the removal of the quasi optical devices above the selection mirror.

These devices will not work below 70 GHZ .

## Mirror Specifications



$12+3 \mathrm{~mm}$ EXISTING RECEIVER MOUNTING ON 12 M .


DIMEYSIONS
N. INCHES.

