

40-FOOT TELESCOPE

The 40-foot telescope will be used to make daily measurements of a small number of discrete sources, for a period of several years, to search for possible intensity variations. Positioning of the telescope and operation of the receivers will be fully automatic. The antenna was ordered from Antenna Systems, Inc., Hingham, Massachusetts, in May and was erected in early October. It is now operational. 1400 Mc and 750 Mc radiometers for the telescope were designed by W. Waltman and T. Orhaug and built by them with the assistance of the electronics group. A dual feed system is being built by Jasik Laboratories and will be ready November 20. The telescope and radiometer control system and readouts were designed by J. F. Crews and O. Bowyer and are being built by them and others of the telescope operators group. The whole system is expected to be in operation for testing about December 1, and in routine use by January 1.