

## Radio Telescope for Observing Jupiter and the Sun

The two key components of the Radio JOVE decametric radio telescope are a radio receiver and an antenna array designed to operate at 20 MegaHertz. For Radio JOVE, these items are typically built from kits developed by the Project. (Use the ["Kit Requests"](#) link on the left to get ordering information.)



Photo of RJ 1.2 Antenna Array

### Components of the Decametric Telescope

#### Radio Receiver

The "standard" receiver for the Radio JOVE project is the RJ 1.1, described below. (Some other receiver options are listed on the ["Receivers for Radio JOVE"](#) page for your consideration.)

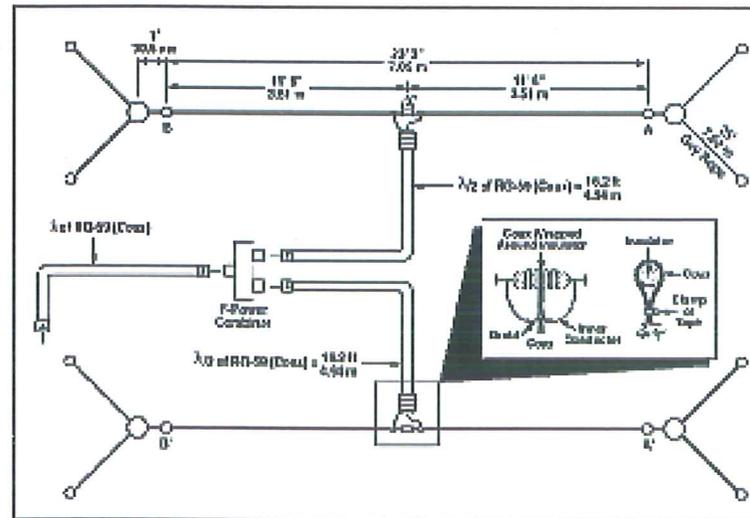
##### *The RJ 1.1 Receiver*



A simple direct conversion receiver for 20 MHz, this receiver is part of the Radio JOVE radio telescope kit. It is designed to be easy to construct and align. Details are available in the construction manual. (Use the ["Equipment Manuals"](#) link on the left of this page.) The receiver is available in kit form as RJK (part of the complete radio telescope kit), RJR (receiver kit), or RJB (built and tested receiver). See the [order form](#) for details.

#### Decametric Antenna Array

##### *2 Element Phased Dipole Array*



This design is the

recommended antenna for Radio Jove. Detailed construction information is available in the Antenna Kit assembly manual.

**NEW!** Revised antenna instructions with emphasis on how to track Jupiter at lower elevations during the next few years. Details are available in the construction manual.

Use the ["Equipment Manuals"](#) link on the left of this page to access these manuals.