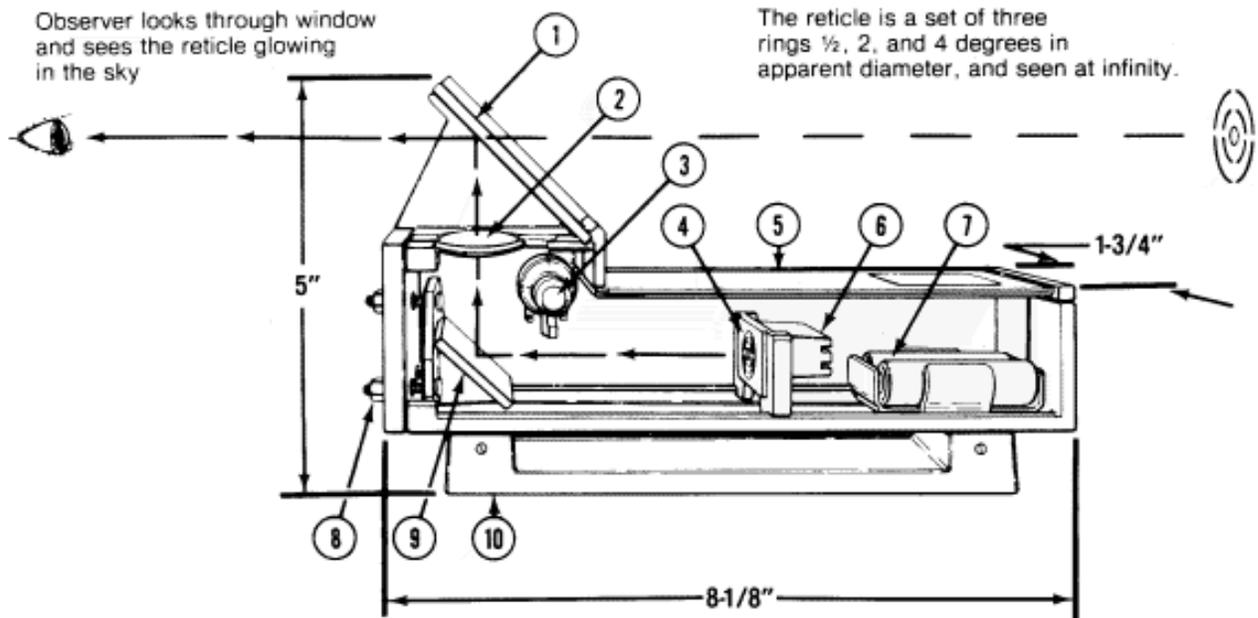


## How the TelRad® finder works

### USING YOUR TELRAD® REFLEX SIGHT



#### Components of the TelRad® finder

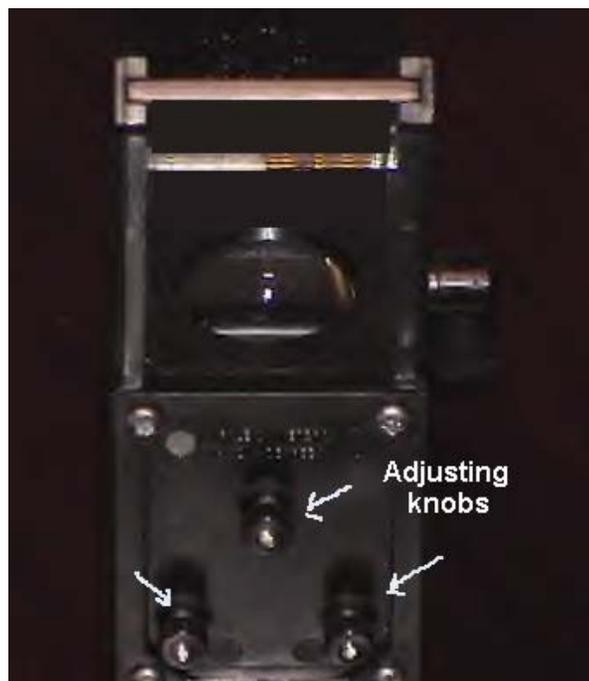
- 1) Clear glass window – reflects the reticle image and superposes it on the sky
- 2) Projection lens
- 3) Reticle brightness control/off-on switch

- 4) Reticle
- 5) Battery access cover plate – slides off to access battery holder
- 6) Red LED light source
- 7) Battery holder – uses 2 AA batteries (The unit will not light if batteries are not installed properly)
- 8) Alignment screws – moves mirror (#9) to match reticle to telescope field
- 9) Front surface mirror

**As of Jan 1<sup>st</sup>, 2006, the TelRad® unit power finder is to be left attached to the 24-inch telescope. It is imperative that, on shutting the 24-inch telescope down, that the switch on the TelRad® be turned off, to conserve batteries.** In the near future, provision for rechargeable AA batteries will be made on the observation desk area.

### **To adjust the TelRad® to match the view in the 24-inch telescope**

In the photo below, note the three adjustment knobs. These allow us to move the apparent position of the red circles in the sky.



### **Procedure:**

Center a bright star or planet in the low power eyepiece on the 24-inch. Use the other finders, if necessary, to acquire the object. Push comes to shove, use the Moon!

Using the adjustment knobs, put the bright star/object in the center of the innermost circle of the red reticle. Once in, it will remain centered unless bumped. ***There should be very little change in the setting as the entire telescope is moved once adjusted.***

## **Cautions**

**Be sure that the dimmer/switch is turned off after each observing session!**

If the 24-inch is open in daylight (for a daytime exhibition of the 'scope, or for maintenance of the instrument) be certain the direct light of the Sun does not enter into the projection lens. It will burn a hole through the reticle!

Again, ***Do NOT remove the TelRad® from the instrument!*** Too many times other units have been dropped. At \$50 apiece (2005 price) this is getting expensive!!