

# CHESHIRE CAT

## MAINTENANCE INSTRUCTIONS

### GENERAL INFORMATION:

Cheshire Cat illustrates some of the things that can happen when each of your eyes looks at totally different pictures. At this exhibit, you look through a viewer at a friend's face with one eye while your other eye looks at a mirror on which is reflected a white screen off to the side of the exhibit. If you sweep your hand quickly over the white screen, the eye looking in the mirror sees the motion. Motion is one thing that grabs the brain's visual attention; this distraction causes your friend's face or parts of it to momentarily disappear. The eyes and smile will usually be last to disappear.

This exhibit uses mirrors to redirect the visitor's gaze to white panels on either side of the exhibit. It is important for the operation of the exhibit that the white panels be lighted fairly uniformly.

### General Cleaning:

All parts of this exhibit may be cleaned with soap and water. The mirrors pivot back and forth on nylon bearings which should not need any lubrication. The mirrors are glass second surface mirrors attached with silicone sealant.

### Initial Set-Up:

The rear panel and posts are shipped detached from the rest of the exhibit. The posts are slid over the short aluminum spuds on top of the frame and held in place with set screws. See illustration. Each screen is held in place with four socket head fasteners. The screen may only fit in one orientation. First try to place the screen with the edge banded laminate seam towards the bottom.

### Accessing the Mirror Assembly:

The two mirror flaps can be removed by loosening the flat head fastener in the top of the shaft, and the two set screws in the tube that the eyepiece attaches to. The mirrors are made of glass; if one needs to be replaced, the old mirror can be removed with hexane if glued with rubber cement or double-stick tape. Silicone adhesive can be removed with gasoline. The mirror support is retained in the table by a bolt underneath the table. An additional set screw is located in the flange to help prevent the assembly from rotating. Remove the bolt and loosen the set screw to remove the support from the table.

### 115 Vac to 230 Vac conversion:

The bulbs will need to be replaced with 220 Vac versions of the 75 watt flood lamps supplied with the exhibit.