COLOR T.V.
AND MAGNETISM

MAINTENANCE INSTRUCTIONS

GENERAL INFORMATION:

This exhibit displays how magnetic fields affect the electron beam on a color television set using a powerful magnet. The electron beams that would normally fall on the blue or red phosphorescent dots are turned off at this exhibit. If a magnet had never been near the screen, you would see only uniform green across the set. But at this TV, you see red and blue even when the magnet is far away form the screen because the iron mask has been permanently magnetized by the magnet.

General Cleaning:

The glass may be cleaned with glass cleaner. The finished or painted surfaces of the exhibit may be cleaned with a mild soap solution or general purpose cleaner. The acrylic panels should be cleaned with a plastic cleaner and a soft wipe that will not leave scratches, (we suggest Wype-All™). (Note: Do not use alcohol on acrylic graphic panels, or covers.)

115 Vac to 230 Vac conversion:

This exhibit has a step down transformer to allow 115 Vac or 230 Vac. The circuit breaker connects directly to a duplex outlet box located in the bottom of the exhibit. It is accessed by removing the locking panel. For 115 Vac operation, the exhibit outlet strip (or component power cord) is plugged into the duplex outlet connecting it directly to the line. For 230 Vac operation, this plug must be switched over to the step-down transformer receptacle, and the transformer is then plugged into the duplex outlet. Check this configuration during initial set-up before plugging the exhibit in. The circuit breaker will protect most accidental improper connections, however some circuits may sustain damage if connected to 230 Vac if the 115 Vac plug is left in the duplex outlet.