

## **Analog Display/Mouse Set Up**

The purpose of this project is to explore how a computer set up works and to create a link between a computer screen and a mouse. This project has three main elements: the display, the mouse, and the communication between the two. The display will be an analog display, similar to an old tektronix scope and will take (x, y) readings from the mouse to move a point source on the screen. The mouse will be a mechanical or optical mouse that could potentially have interesting features, such as cursor speed up, cursor auto-location (i.e. clicking a button on the mouse that moves the cursor to a fixed location on the screen) and will potentially be wireless, using an tank circuit similar to lab 1. The two will interface and the mouse will send its coordinates to the display. This communication protocol is not yet determined.