V. SCRIBE

SCRIBE is complex opto-mechanical system currently under development. It is to be designed to view the pages of a book, turn the pages, and display the contents on an X-Y plotter. The way in which it does those things is influenced by various sensors placed in the vicinity.

The major mechanical components of SCRIBE are shown in Fig. V-1.
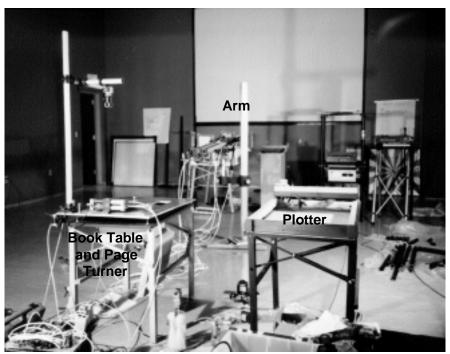

Figure V-1. Major SCRIBE components

The Arm is shown in more detail in Fig. V-2:
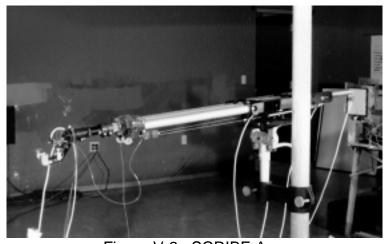

Figure V-2. SCRIBE Arm

Other major components of the SCRIBE presentation are indicated schematically in Fig. V-3.
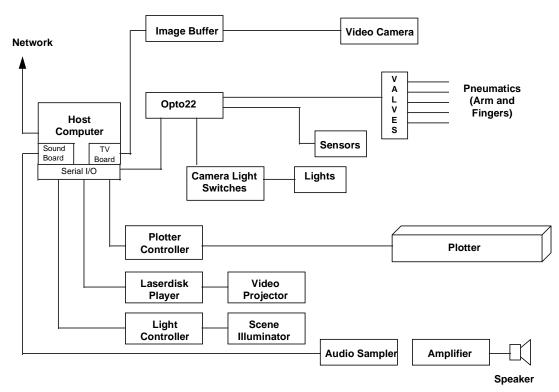

Figure V-3. Preliminary SCRIBE System Schematic

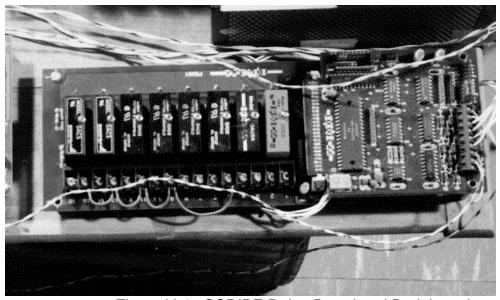Control of SCRIBE is passed from the Host Computer to a Opto22 PB8 solid-state relay board and Opto22 B1 Brainboard, shown in Fig. V-4.

Figure V-4. SCRIBE Relay Board and Brainboard