CHAPTER 44 EXERCISES

1. **Create a New Toolbar Group**

   It is helpful to group a series of commands that are used frequently. Think back over the previous exercises and identify the commands that were used most often. The *Offset*, *Line, Erase, Trim, Extend,* and *Copy* commands are possibilities.

   Invoke the *Toolbars* dialog box. Choose *New* to open the *New Toolbar* dialog box. In the *Toolbar Name* field, enter the new name, for example, "Arch Toolbar." PICK the *OK* button. When the dialog box closes, your new toolbar appears in the Drawing Editor and the new name is highlighted in the toolbar listing. Complete the steps necessary to add the commands listed above to the *Arch Toolbar* as outlined in your textbook.

2. **Creating Complex Linetypes**

   AutoCAD provides several linetypes; however, it does not provide all linetypes that may be needed. An example of a useful new linetype is one for laying out a computer network wiring diagram. Therefore, a custom linetype will be created in this exercise that will denote a particular type of cable.

   A. In a text editor, *Open* the ACAD.LIN file and add the following definition.

      *CAT5,CAT5 ——CAT5——CAT5——CAT5——CAT5——
      A,1.5,-0.25,["CAT5",STANDARD,S=0.2,R=0.0,X=0.05,Y=-0.1],-1,1.5

      Save the ACAD.LIN file. The new linetype will be available to load the next time you open AutoCAD.

   B. Create additional linetype definitions to denote CATV, PHONE, and FIBER cable.

3. **Scripts for Drawing Setups**

   AutoCAD provides several methods for automating tasks that are performed routinely. One relatively simple technique is to create script files. The script you create here will help automate several commands and variable settings when a new drawing is started.

   A. Open your text editor from within AutoCAD.

B. Create an ASCII text file with the commands below that are normally used for setting up an architectural drawing for a "D" size sheet to plot at 1/4"=1'.

    LIMITS 0,0 1728,1152
    GRID 48
    SNAP 12
    LTSCALE 48
    DIMSCALE 48
    -DIMSTYLE SAVE ARCH

C. Save the file with an .SCR extension.

D. Begin a *New* drawing, use the *Script* command, and select the new .SCR file. If any problems arise or the script does not run properly, use your text editor to "debug" the script.