

- ❖ *CP/M*: Control Program for Microprocessors is a trademark of Digital Research. To use the CP/M operating system with your Apple IIe, make sure the SOFTCARD by Microsoft or the Z-Engine by Advanced Logic Systems is correctly installed before you start up the computer.
- ❖ *Coprocessor cards and interrupts*: Some coprocessor cards that were designed for use in the Apple II Plus may not work with an Apple IIe without some modification. There could be problems if you want to use interrupts on the Apple IIe. If you are having problems with a coprocessor card, check with the card's manufacturer for their recommendations.

Refer to the operating system reference manual for your version of Apple Pascal for more information.

When using Apple II Pascal 1.1, you'll probably want to run the program SETUP to make the Up Arrow and Down Arrow keys functional. SETUP is a self-documenting program on the Pascal disk APPLE3. Pascal versions 1.2 and later are already configured to use the Up Arrow and Down Arrow keys.

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## Starting up with ProDOS or DOS 3.3

ProDOS and DOS 3.3 both look for a startup program on the startup (boot) disk as soon as the operating system has been loaded and begins executing. If the operating system finds the program, named STARTUP on a ProDOS disk and usually HELLO on a DOS 3.3 disk, it will execute the program.

You can write a customized startup program that will set up the 80-column text card in any state you need. Just be sure it is on your startup disk and has the startup filename.

Here is a sample Applesoft startup program that works with both ProDOS and DOS 3.3:

```
10 HOME:D$=CHR$(4)
20 PRINT D$;"PR#3"
30 END
```

You can do whatever you wish with the program from line 20 on. Note that the screen will have switched to 80-column text mode after line 20.

- ❖ *By the way*: If you arrange to have the card active automatically, you will still, of course, be able to switch into 40-column mode.