

## **4: *Using RamWorks***

RamWorks is an accessory card for the //e, and like most other accessory cards, you must activate (or deactivate) it somehow. This chapter provides the essential information for the various ways to activate, deactivate, and control the 80 column text features of RamWorks. This chapter also explains some of the differences between the standard //e 40 column display features and those available with the RamWorks 80 column screen. Ch. 6 explains the use of the expanded auxiliary memory from a programmer's standpoint.

### **RamWorks and Application Software**

Programs written for specific purposes, such as word processing or record keeping, are referred to as commercial or application software. If the application software that you wish to run expects an 80 column text card installed in the computer, then RamWorks automatically activates the 80 column mode (unless your particular software package gives you an option for 40 or 80 column screen). If your software was not designed to take advantage of the 80 column screen features, it will ignore the RamWorks card and display the screen in the standard 40 column mode.

#### **To Activate RamWorks with Pascal or CP/M**

Both Pascal and CP/M automatically activate the 80 column mode. Just boot your Pascal or CP/M disk in the normal manner.

#### **To Activate RamWorks using Applesoft BASIC**

You should be familiar with the Applesoft BASIC language and the applicable operating system, either DOS or ProDOS, as explained in the Apple //e Owner's Manual. Please refer to Ch. 1 for a list of additional recommended reference sources.

Follow the steps below to activate and deactivate the RamWorks 80 column firmware from the Apple //e keyboard.

1. Access Applesoft BASIC (with or without DOS or ProDOS). The cursor should be a flashing checkerboard pattern, indicating 40 column mode.
2. Make sure you have the Caps Lock key down.
3. Type PR#3 and press the RETURN key to activate 80 column mode. Notice the cursor becomes narrow, solid, and steady (does not flash).
4. To switch to 40 column mode while the 80 column feature is active, press and release the Escape key, then the 4 key. The display is 40 columns wide but the 80 column firmware is still activated. Notice, in this case, the cursor is now wide, solid, and steady. This indicates 40 column mode with 80 column firmware active.