

Table 2-9. Common Unix special file names (continued)

| Device/use   | Special file forms     | Example |
|--|------------------------|---------|
| Console device   | /dev/console           |         |
| some System V  | /dev/syscon            |         |
| AIX  | /dev/lft0              |         |
| Process controlling TTY (used to ensure I/O comes from/goes to terminal, regardless of any I/O redirection)                | /dev/tty               |         |
| Memory maps:   |                        |         |
| physical   | /dev/mem               |         |
| kernel virtual   | /dev/kmem              |         |
| Mouse interface  | /dev/mouse             |         |
| Null devices: all output is discarded; reads return nothing (0 characters, 0 bytes) or a zero-filled buffer, respectively. | /dev/null<br>/dev/zero |         |

<sup>a</sup> Tape devices often have suffixes that specify the tape density.

### Commands for listing the devices on a system

Most Unix versions provide commands that make it easy to quickly determine what devices are present on the system, as well as their current status. Table 2-10 lists the commands for the systems we are considering.

Table 2-10. Device listing and information commands

| Unix Version         | Command(s)             | Description                         |
|----------------------|------------------------|-------------------------------------|
| AIX                  | lscfg                  | List all devices.                   |
|                      | lscfg -v -l device     | Device configuration detail.        |
|                      | lsdev -C -s scsi       | List all SCSI IDs.                  |
|                      | lsattr -E -H -l device | Display device attributes.          |
| FreeBSD              | pciconf -l -v          | List PCI devices.                   |
|                      | camcontrol devlist     | List SCSI devices.                  |
| HP-UX                | ioscan -f -n           | Detailed device listing.            |
|                      | ioscan -f -n -C disk   | Limit to device class.              |
| Linux                | lsdev                  | List major devices.                 |
|                      | scsiinfo -l            | List SCSI devices.                  |
|                      | lspci                  | List PCI devices.                   |
| Solaris <sup>a</sup> | dmesg <sup>b</sup>     | Boot messages identify all devices. |
|                      | getdev                 | List devices.                       |
|                      | getdev type=disk       | Limit to device class.              |
|                      | devattr -v device      | Device detail.                      |
| Tru64                | dsfmgr -s              | List devices.                       |

<sup>a</sup> Unfortunately, the *getdev* and *devattr* commands are often of limited use. <sup>b</sup> *dmesg* is also available under FreeBSD, HP-UX, and Linux.