

# More about computer software

16 March 1999

## Administrivia

- 4 handouts in back (including this one)
- Assignment 6 due this week; 7 is due after Spring Break
- Hourly Exam #1 and Guest Lecture #1
- Study group meeting time(s)...
- Evaluation forms: 5-min. break and lab time

## Topics

- Paths revisited
- Undeleting files
- More about operating systems
  - Roles
    - BIOS and I/O
    - Drivers
    - System monitoring
    - Power conservation
    - Processing commands and providing a unified interface
      - Character-based interfaces v. GUIs
    - Multi-
      - -tasking, -threading, -user, and -processor
  - Examples
    - Personal: BeOS, DOS, Mac OS, Windows 3.x/95/98/NT Workstation
    - Servers: Linux, OS/2, Unix, Windows NT Server
    - Palmtop: NewtonOS, Palm OS, Windows CE
    - Embedded: cars, VCRs, watches, *etc.*
- Application programs
  - Horizontal, vertical, and custom markets
  - Commercial, freeware, and shareware
  - Word processing, desktop publishing, spreadsheets, and databases
- Societal issues
  - Cracking, hacking, and piracy
  - Y2K
  - Downloading software from the Internet