

## Outline for October 13, 2006

**Reading:** §23.3–23.4

1. Greetings and felicitations!
  - a. Puzzle of the day
2. Examples of Flaw Hypothesis Methodology
  - a. Burroughs system
3. Vulnerability Models
  - a. PA model
  - b. RISOS
  - c. NRL
  - d. Aslam
4. Example Flaws
  - a. fingerd buffer overflow
  - b. xterm race condition
5. RISOS
  - a. Goal: Aid managers, others in understanding security issues in OSes, and work required to make them more secure
  - b. Incomplete parameter validation—failing to check that a parameter used as an array index is in the range of the array;