## Puzzle for January 25, 2006

The UNIX operating system (and most computer systems) have an all-powerful user (root or operator or wheel).

- 1. Why does such a user exist?
- 2. Dennis Ritchie called the existance of this user both a theoretical and practical flaw. Why?
- 3. If you were designing an operating system with security being a key goal, could you avoid creating such a user? If so how? If not, how would you implement the functionality of the *root* user?