COMPARE :

Lane and Mooney[INT3], Chapter 15; Silberschatz and Galvin[INT4], Part 4.

REFERENCES.

REQ11 : R. Rohde, J. Haskett : "Disaster recovery planning for academic computing centers", *Comm.ACM*. **33**, 653 (1990).

REQ14 : *New Zealand Herald*, 12 February 1987.

QUESTIONS.

Consider the last-line-losing archive featured in our anecdote. Is it an example of accident or error ? What sort of system can you devise to guard against arbitrary archive failures such as this one ? (HINT : first decide what you mean by an archive failure.)

Similarly consider the story of the judge. Is that accident or error ? Is the cause likely to be in the file system or the user interface ? What can be done about it ? Would it cost £10,000 (in 1987 money) ?

Fences can breed fences. What are the consequences of some precautionary measures ? (For example, banning assemblers, or protecting files.)

If "undo" restores the system to the state before the last (file) operation, then "undo undo" should restore the system to the state before that one. Is "undo" an operation or not ?