NAME
     mhrestor — incremental file system restore

SYNOPSIS
     mhrestor key [argument ...]

DESCRIPTION
     Mhrestor is used to read magtapes dumped with the *mhdump* command. The *key* specifies what is to be done. *Key* is one of the characters **rxt** optionally combined with **f**.

     f   Use the first *argument* as the name of the tape instead of the default.

     r   The tape is read and loaded into the file system specified in *argument*. This should not be done lightly (see below).

     x   Each file on the tape named by an *argument* is extracted. The file extracted is placed in a file with a numeric name supplied by *mhrestor* (actually the inode number). In order to keep the amount of tape read to a minimum, *mhrestor* asks you to 'mount the desired tape volume' and tell *mhrestor* which volume you put on the drive. On a multivolume dump the recommended procedure is to mount the last through the first volume in that order. *Mhrestor* checks to see if any of the files requested are on the mounted tape (or a later tape, thus the reverse order) and doesn't read through the tape if no files are. If you are working with a single volume dump or the number of files being restored is large, respond to the query with '1' and *mhrestor* will read the tapes in sequential order.

     t   Print the date the tape was written and the date the filesystem was dumped from.

     The **r** option should only be used to restore a complete dump tape onto a clear file system or to restore an incremental dump tape onto this. Thus

          /etc/mkfs /dev/rp0 40600
          mhrestor r /dev/rp0

     is a typical sequence to restore a complete dump. Another *mhrestor* can be done to get an incremental dump in on top of this.

     A *mhdump* followed by a *mkfs* and a *mhrestor* is used to change the size of a file system.

FILES
     default tape unit varies with installation

SEE ALSO
     mhdump(1M), mkfs(1M), dump(5)

DIAGNOSTICS
     There are various diagnostics involved with reading the tape and writing the disk. There are also diagnostics if the i-list or the free list of the file system is not large enough to hold the dump.

     If the dump extends over more than one tape, it may ask you to change tapes. Reply with a new-line when the next tape has been mounted.

BUGS
     There is redundant information on the tape that could be used in case of tape reading problems. Unfortunately, *mhrestor* doesn't use it.