

**NAME**

`ranlib` – convert archives to libraries (`nranlib` for cross-support)

**SYNOPSIS**

**`ranlib`** *archive* ...

**`nranlib`** *archive* ...

**DESCRIPTION**

*Ranlib* converts each *archive* to a form which can be loaded more rapidly by the loader, by adding a table of contents named `__SYMDEF` to the beginning of the archive. It uses *ar*(1) to reconstruct the archive, so that sufficient temporary file space must be available in the file system containing the current directory.

**SEE ALSO**

`ld`(1), `ar`(1)

**CROSS-SUPPORT**

In a cross-support environment, *ranlib* is called *nranlib*.

**BUGS**

Because generation of a library by *ar* and randomization by *ranlib* are separate, phase errors are possible. For example, an object file that has been through *strip*(1) and *ar*(1) will generate this message when it is processed by *ranlib*(1):

**warning: *name*( *object*): no symbol table**