NAME

getrpcent, **getrpcbyname**, **getrpcbynumber**, **endrpcent**, **setrpcent** - get RPC entry

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

#include <rpc/rpc.h>

*struct rpcent ***
getrpcent(*void*);

*struct rpcent ***
getrpcbyname(*const char *name*);

*struct rpcent ***
getrpcbynumber(*int number*);

void
setrpcent(*int stayopen*);

void
endrpcent(*void*);

DESCRIPTION

The **getrpcent**(), **getrpcbyname**(), and **getrpcbynumber**() functions each return a pointer to an object with the following structure containing the broken-out fields of a line in the rpc program number data base, */etc/rpc*:

```
struct rpcent {
        char    *r_name; /* name of server for this rpc program */
        char    **r_aliases;        /* alias list */
        long    r_number;           /* rpc program number */
};
```

The members of this structure are:

> *r_name*   The name of the server for this rpc program.

> *r_aliases* A zero terminated list of alternate names for the rpc program.

r_number
> The rpc program number for this service.

The **getrpcent**() function reads the next line of the file, opening the file if necessary.

The **setrpcent**() function opens and rewinds the file. If the *stayopen* flag is non-zero, the net data base will not be closed after each call to **getrpcent**() (either directly, or indirectly through one of the other "getrpc" calls).

The **endrpcent**() function closes the file.

The **getrpcbyname**() and **getrpcbynumber**() functions sequentially search from the beginning of the file until a matching rpc program name or program number is found, or until end-of-file is encountered.

FILES
/etc/rpc

DIAGNOSTICS
A NULL pointer is returned on EOF or error.

SEE ALSO
rpc(5), rpcinfo(8), ypserv(8)

BUGS
All information is contained in a static area so it must be copied if it is to be saved.