

NAME

`conns` — connect to a remote system

SYNOPSIS

```
conns (telno, speed, modes, lname, class)
char *telno;
short speed, modes;
char **lname;
char *class;
```

DESCRIPTION

`Conns` will allocate the necessary hardware resources and attempt to place a phone call to the telephone number specified. If the telephone number begins with a slash ('/'), `conns` assumes that a hard wired connection is to be made and will not place a phone call. In either case, `conns` will set the line to the speed and mode specified. (*Speed* should be the integer value of the baud desired—e.g., 1200. *Modes* should be the desired initial line modes—see `ioctl(2)`.)

If successful, `conns` will return a file descriptor that can be used to read and write from/to the remote system and deposit in `*lname` a pointer to the pathname of the line that was selected to establish the connection. `Conns` will not return the file descriptor until carrier is detected.

For dialup calls `conns` will, if there is any equipment available, attempt to place the call twice before giving up. If the user wants to make more or fewer attempts the global integer `_con_try` should be assigned the number of attempts desired.

If `conns` returns a value less than zero, a connection could not be established. The possible error returns and their associated meanings are listed below:

- 1 No carrier, busy, or no answer.
- 2 All equipment in use.
- 3 Bad speed specification.
- 4 Bad telephone number.
- 5 `Ioctl` failed.
- 6 Bad L-devices file. (Max size of L-devices defined MAX DEV)
- 7 No equipment exists to make desired call.

The `class` argument is used to specify the type of equipment to be used for the call and what special action, if any, should be taken by `conns`. `Class` is of the form `[type[-flags]]` where `type` is a string that is required to match the first entry in the L-devices file if the entry is to be considered, `flags`, if present, may currently consist only of the letter `I`. If the call is a hard wired call `type` is ignored. If the `-I` flag is present `conns` will not actually place the call but merely determine if equipment to make the call is currently available. In this case the return value is as normal except the file descriptor that is returned for a success indication is not open. By way of example, to initiate a normal acu call `class` should be the string `ACU`. To inquire if such a call could be made without actually making the call `class` should be the string `ACU-I`.

`Conns` uses the `uucp(1C)` database to find available autodialers and datasets.

SEE ALSO

`cu(1C)`, `ct(1C)`, `uucp(1C)`, `cspeed(3C)`

FILES

`/usr/lib/uucp/L-devices`