NAME
psignal, psiginfo − print signal message

SYNOPSIS
#include <signal.h>

void psignal(int *sig***, const char ****s***);**
void psiginfo(const siginfo_t * *pinfo***, const char ****s***);**

extern const char *const *sys_siglist***[];**

Feature Test Macro Requirements for glibc (see feature_test_macros(7)):

psignal(): Since glibc 2.19: _DEFAULT_SOURCE Glibc 2.19 and earlier: _BSD_SOURCE ||
_SVID_SOURCE
psiginfo(): _POSIX_C_SOURCE >= 200809L
sys_siglist: Since glibc 2.19: _DEFAULT_SOURCE Glibc 2.19 and earlier: _BSD_SOURCE

DESCRIPTION
The **psignal**() function displays a message on *stderr* consisting of the string *s*, a colon, a space, a string describing the signal number *sig*, and a trailing newline. If the string *s* is NULL or empty, the colon and space are omitted. If *sig* is invalid, the message displayed will indicate an unknown signal.

The **psiginfo**() function is like **psignal**(), except that it displays information about the signal described by *pinfo*, which should point to a valid *siginfo_t* structure. As well as the signal description, **psiginfo**() displays information about the origin of the signal, and other information relevant to the signal (e.g., the relevant memory address for hardware-generated signals, the child process ID for **SIGCHLD**, and the user ID and process ID of the sender, for signals set using kill(2) or sigqueue(3)).

The array *sys_siglist* holds the signal description strings indexed by signal number.

RETURN VALUE
The **psignal**() and **psiginfo**() functions return no value.

VERSIONS
The **psiginfo**() function was added to glibc in version 2.10.

ATTRIBUTES
For an explanation of the terms used in this section, see attributes(7).

Interface	Attribute	Value
psignal(), **psiginfo**()	Thread safety	MT-Safe locale

CONFORMING TO
POSIX.1-2008, 4.3BSD.

BUGS
In glibc versions up to 2.12, **psiginfo**() had the following bugs:

* In some circumstances, a trailing newline is not printed.

* Additional details are not displayed for real-time signals.

SEE ALSO
sigaction(2), perror(3), strsignal(3), signal(7)

COLOPHON
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