

DragonFlyBSD - Bug #3252

tcsetattr/tcgetattr set errno incorrectly on non-TTY

10/25/2020 09:40 PM - tonyc

Status:	New	Start date:	10/26/2020
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
<p>tcsetattr() and tcgetattr() are documented to fail as follows:</p> <p>Upon successful completion, the functions tcgetattr() and tcsetattr() return a value of 0. Otherwise, they return -1 and the global variable errno is set to indicate the error, as follows:</p> <p>...</p> <p>[ENOTTY] The file associated with the fd argument to tcgetattr() or tcsetattr() is not a terminal.</p> <p>which matches POSIX, but they do not set errno correctly:</p> <pre>\$ cc -otcerror tcerror.c \$./tcerror OK: tcgetattr on /dev/null failed as expected FAIL: tcgetattr on /dev/null set errno incorrectly: Operation not supported by device OK: tcsetattr failed as expected FAIL: tcsetattr failure set errno incorrectly: Operation not supported by device \$ uname -a DragonFly 5.8-RELEASE DragonFly v5.8.3-RELEASE #10: Thu Sep 24 19:19:45 EDT 2020 root@www.shiningsilence.com :/usr/obj/home/justin/release/5_8/sys/X86_64_GENERIC x86_64</pre> <p>This was discovered while diagnosing perl test failures.</p>			

History

#1 - 10/26/2020 09:34 PM - tonyc

The same issue applies to tcdrain(), tcflow(), tcflush() and tcsetattr().

Files

tcerror.c	1.03 KB	10/26/2020	tonyc
-----------	---------	------------	-------