

DragonFlyBSD - Bug #3222

gcc - undefined reference to '__atomic_load' (missing libatomic?)

02/08/2020 02:45 AM - mneumann

Status:	New	Start date:	02/08/2020
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Userland	Estimated time:	0.00 hour
Target version:	master		

Description

I can't compile the following C11 program:

```
// atomic_test.c
#include <stdio.h>
#include <complex.h>
#include <stdatomic.h>
```

```
int main(void)
{
    _Atomic long double _Complex x;
    printf("(%Lf,%Lf)\n",creall(x), cimagl(x));
    return 0;
}
```

```
> cc -std=c11 atomic_test.c
/tmp//ccTm73vw.o:atomic_test.c:function main: error: undefined reference to '__atomic_load'
/tmp//ccTm73vw.o:atomic_test.c:function main: error: undefined reference to '__atomic_load'
collect2: error: ld returned 1 exit status
```

On my Linux system, I can link in -latomic:

```
> cc -std=c11 atomic_test.c -latomic
```

But it seems this got removed from DragonFly's gcc8. I try to compile the Pony compiler ponyc, which requires these atomic ops.