



Tech Info Library

A/UX 2.0: Header File Problem/Fix

Revised: 11/10/92
Security: Everyone

A/UX 2.0: "Header File" Problem/Fix

=====
Article Created: 6 February 1991

Article Change History

08/31/92 - REVIEWED
• For technical accuracy.

TOPIC -----

I've encountered a compilation problem recently while porting a program (tcsh, from OSU) to the A/UX 2.0 environment. The problem seems to be that some of the system's header files aren't compiling properly. The sample code below demonstrates the problem I've experienced:

```
-----  
/* test file, called tst.c */  
  
/* these are well-knowns that should work */  
#include <sys/errno.h>  
#include <stdio.h>  
  
/* these don't work */  
#include <sys/stat.h>  
#include <sys/times.h>  
  
main()  
{  
  
}
```

Now, take a look at what I did. On the first try, I used the command:

```
cc tst.c
```

Here is the output:

```
"/usr/include/sys/stat.h", line 48: syntax error
"/usr/include/sys/stat.h", line 48: cannot recover from earlier errors:
goodbye!
```

On the second try, I used the command:

```
gcc tst.c
```

Here is the output:

```
In file included from tst.c:7:
/usr/include/sys/stat.h:48: parse error before `dev_t'
/usr/include/sys/stat.h:54: parse error before `dev_t'
/usr/include/sys/stat.h:64: parse error before `time_t'
In file included from tst.c:8:
/usr/include/sys/times.h:29: parse error before `time_t'
```

Is there something amiss? I'm assuming the header files stat.h and times.h are identical to the header files available to you, so I've not copied them here.

DISCUSSION -----

Put the following line before the #include <sys/stat.h> line. It should work, because some of the declarations in <sys/stat.h> were defined in <sys/types.h>.

```
#include <sys/types.h>
```

Copyright 1991 Apple Computer, Inc.

Tech Info Library Article Number:6752