Progress Update

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Status of CERNLIB Installation

- Looking at CERNLIB log files more carefully, found the error:

```
kuipc /home/towstego/project/group_writable/T2K/cernlib/2005/src/packlib/cspack/programs/zftp/zftpcdf.cdf zftpcdf.c
gmake[3]: kuipc: Command not found
gmake[3]: *** [zftpcdf.c] Error 127
    - error could come from this, found in cernlib/2005/build/log/kuipc:
gcc -O1 -fomit-frame-pointer -fPIC    -I/project/6003227/group_writable/T2K/cernlib/2005/build/packlib/kuip -I/home/towstego/project/group_writable/T2K/cern
In file included from /cvmfs/soft.computecanada.ca/nix/var/nix/profiles/16.09/include/string.h:630:0,
                 from /home/towstego/project/group_writable/T2K/cernlib/2005/src/packlib/kuip/kuip/kstring.h:13,
                 from /home/towstego/project/group_writable/T2K/cernlib/2005/src/packlib/kuip/kuip/kuip.h:10,
                 from /home/towstego/project/group_writable/T2K/cernlib/2005/src/packlib/kuip/programs/kuipc/kuipcc.c:46:
/cvmfs/soft.computecanada.ca/nix/var/nix/profiles/16.09/include/bits/string2.h:346:4: error: expected identifier or '(' before '__extension__'
    (__extension__ (__builtin_constant_p (s) && __string2_1bptr_p (s)        \
    ^
/cvmfs/soft.computecanada.ca/nix/var/nix/profiles/16.09/include/bits/string2.h:365:26: note: in expansion of macro '__strndup'
 #   define strndup(s, n) __strndup (s, n)
                          ^
/home/towstego/project/group_writable/T2K/cernlib/2005/src/packlib/kuip/kuip/kstring.h:51:14: note: in expansion of macro 'strndup'
 extern char* strndup( const char* buf, size_t n );
              ^
gmake[4]: *** [kuipcc.o] Error 1
```

- support got back to me – fixed by commenting out line 51 of kstring.h
- another similar issue came up for a different file – commented out "strndup" line and it worked

Status of CERNLIB Installation

- Now have this error in make log:

```
gcc -c -O1 -fomit-frame-pointer -fPIC   -I/project/6003227/group_writable/T2K/cernlib/2005/build/packlib/kuip -I/home/towstego/project/group_writable/T2K/ce
kuipmcdf.c: In function 'kuidfm_':
kuipmcdf.c:365:2: warning: missing terminating " character [enabled by default]
 "/cvmfs/soft.computecanada.ca/nix/var/nix/profiles/16.09/lib/X11/app-defaults/
 ^
kuipmcdf.c:365:2: error: missing terminating " character
kuipmcdf.c:366:1: error: 'Paw' undeclared (first use in this function)
 Paw++.", "", "Any default values specified by KUIP are given",
 ^
kuipmcdf.c:366:1: note: each undeclared identifier is reported only once for each function it appears in
kuipmcdf.c:366:7: error: expected identifier before string constant
 Paw++.", "", "Any default values specified by KUIP are given",
        ^
kuipmcdf.c:366:61: warning: missing terminating " character [enabled by default]
 Paw++.", "", "Any default values specified by KUIP are given",
                                                            ^
kuipmcdf.c:366:7: error: missing terminating " character
 Paw++.", "", "Any default values specified by KUIP are given",
        ^
gmake[3]: *** [archive/kuipmcdf.o] Error 1
```

- Also have this error in logs for packlib, mathlib, geant321, phtools, and mclibs:

```
gfortran ...
gmake[X]: *** No rule to make target `somelib.a', needed by `somefile'.  Stop.
```