Charm++ - Bug #2056

AMPI ROMIO build error

03/05/2019 10:20 AM - Sam White

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Description

After an AMPI user updated from an older version of AMPI they are now getting this error:

```bash
./build AMPI mpi-linux-x86_64 --destination=/home/charm-prod gcc
```

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Building ROMIO

cd romio && 

```bash
CFLAGS="" \ 
FFLAGS="" \ 
F77=/home/charm-prod/bin/ampif90 \ 
CC=/home/charm-prod/bin/ampicc \ 
./configure \ 
--disable-aio \ 
--enable-f77=`test -f /home/charm-prod/lib/libmoduleampif.a && echo yes || echo no` \ 
--srcdir=`pwd`
```

Configuring with args --disable-aio --enable-f77=yes --srcdir=/home/charm-prod/tmp/libs/ck-libs/ampi/romio

checking whether clock skew breaks make... no
checking whether make supports include... no
checking whether make allows comments in actions... no
configure: WARNING: Your make does not allow comments in target code.
Using this make may cause problems when building programs.
You should consider using gnumake instead.
checking for virtual path format... VPATH
checking whether make sets CFLAGS... yes
checking for architecture... LINUX
configure: WARNING: Unknown architecture ... proceeding anyway

ROMIO home directory is /home/charm-prod/tmp/libs/ck-libs/ampi/romio
configure: error: MPI library /opt/tools/openmpi-3.1.2-gcc-7.2.0/lib not found

```
gmake[2]: *** [/home/charm-prod/lib/libmpiromio.a] Error 1

gmake[2]: Leaving directory `/home/charm-prod/tmp/libs/ck-libs/ampi'

gmake[1]: *** [ampi] Error 2

gmake[1]: Leaving directory `/home/charm-prod/tmp/libs/ck-libs'

gmake: *** [AMPI] Error 2
```

The error that /opt/tools/openmpi-3.1.2-gcc-7.2.0/lib is weird because that does exist.

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History

#1 - 03/05/2019 10:21 AM - Sam White
- Description updated

#2 - 03/05/2019 10:40 AM - Matthias Diener
Does the user have an "MPI_LIB" environment variable set when building AMPI? This variable should be unset before building.

#3 - 03/05/2019 01:34 PM - Evan Ramos
We've let the user know about MPI_LIB and are awaiting feedback.