mpi-win-x86_64 has failed in this example the last 2 days (since AMPI was fixed on mpi-win):

make[3]: Entering directory '/home/nikhil/autobuild/mpi-win-x86_64/charm/mpi-win-x86_64/examples/collide/collidethread'
   ../../../bin/charmc -optimize -production hello.ci
   ../../../bin/charmc -optimize -production -c hello.C
   ignored Unrecognized argument -fno-lifetime-dse hello.C
   ../../../bin/charmc -optimize -production -language ampi -module collide -o hello hello.o
   ignored Unrecognized argument -fno-lifetime-dse moduleinit4540.C
   ../../../bin/testrun ./hello +p4 +vp10

Running on 4 processors: ./hello +vp10
charmrun> /cygdrive/c/Program Files/Microsoft MPI/Bin/mpiexec -n 4 ./hello +vp10

job aborted:
[ranks] message

[0-3] process exited without calling finalize

----- error analysis -----

[0-3] on CS-DEXTERITY
./hello ended prematurely and may have crashed. exit code 0x00000005

----- error analysis -----

Makefile:21: recipe for target 'test' failed

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History

#1 - 03/28/2017 09:07 AM - Sam White
mpi-win-x86_64-smp also fails in this the same test

#2 - 03/28/2017 12:04 PM - Matthias Diener

Crashes with a segmentation fault even when run sequentially before starting main():

gdb ./hello.exe
Starting program: /home/mdiener/Work/charmtmp/mpi-win64/examples/collide/collidethread/hello.exe
[New Thread 5096.0x159c]

Program received signal SIGSEGV, Segmentation fault.
0x000000007787f23c in ntdll!RtlAnsiStringToUnicodeString () from /cygdrive/c/Windows/SYSTEM32/ntdll.dll

Is there a better way to debug on win than using gdb?
#3 - 03/28/2017 12:11 PM - Sam White
The problem may be with the fact that this is using charmc's `-language ampi` option directly instead of using `ampicc` (so the changes that you made to ampiCC.in are not being used here...)

#4 - 03/28/2017 12:40 PM - Matthias Diener
Note that even when removing the fix for AMPI on mpi-win (Bug #1341), the crash is still the same.

#5 - 03/28/2017 12:45 PM - Matthias Diener
So, in other words, we should compile/link/use only AMPI, not the system MPI, in the charmc -language ampi case?