NOTES ON SYNCHEM:

1) The source is divided between a subdirectory of synchem and a subdirectory of gui
   below synchem, which in turn contains a subdirectory shelley containing more
source
   (the Carhart projection modules as enhanced by Craig Shelley at Eastman Kodak).

2) The executable (main()-containing) source modules in the non-GUI source directory
   consist of a command-line version of the SYNCHEM engine and a number of
standalone
   utilities for reaction library maintenance:
   a) avl_import, _export, dump, and dict;
   b) rxl_import, _export, and dump;
   c) bldsubt
   d) persist_*
   e) xdots*

3) The gui directory contains four GUI executables (syn_view, rxledit, avledit, and
   drawpad), but the syn_view problem-submission and -solving GUI ties them all
together
   through context-specific system calls for convenience.

4) To avoid the reliance on non-intuitively cryptic and unforgiving makefiles, I
used
   scripts (batch files in DOS) to compile, archive, and link; I also used a script
to
   run the executables with the correct environment for their successful execution.
   The scripts include:
   a) compile (gcc with necessary options)
   b) archive (ar library insertion/replacement)
   c) casyn (compile and archive non-GUI modules)
   d) cagui (compile and archive GUI modules)
   e) cashell (compile and archive Shelley modules)
   f) synlib ((re)build entire non-GUI library)
   g) syguilib ((re)build entire GUI library)
   h) shellib ((re)build entire Shelley library)
   i) build (link non-GUI executable)
   j) buildgui (link GUI executable)
   k) run (run executable with predefined environment)

5) There is probably a lot more, but rather than try to remember it all and overload
you
   with information, you can ask me questions as they arise. Just a few more
isolated
   pieces of information:
   a) There's quite a bit of conditional compilation, both for the various OS's and
      versions of Motif and unixlike (cygwin, Interix/SFU) Windows hooks, and for
the
      creation of code for either an encrypted or unencrypted reaction library.
   b) Although it's not normally needed for a Linux installation, I've included
lesstif
      code. I had made some bug fixes and enhancements, but I haven't checked to
see
      whether what's on the CD is the original or revised code. The only place you
      might need to refer to anything related to lesstif is when diagnosing tear-off
      bugs on a system that uses lesstif in place of Open Motif.