**New Blocking Queue**

Purpose:

This package provides a thread-safe BlockingQueue class that supports blocking a consumer if the queue is empty, to avoid the need for spin locks. The queue is:

1. Templatized on the type of messages held by the queue.
2. Uses a ConditionVariable to support blocking. That helps porting to Linux which has that construct but does not have an Event type like that used in prior BlockingQueue classes I’ve developed.
3. Uses the services of one other Package: NewLocks that defines CSLock and CSConditionVariable classes.

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