Need for synchronization
- Radios have different clocks
- MAC protocols require synchronization
- TDMA
- Slotted Aloha

Solution: Centralized node broadcasts a beacon
- Signal is known ahead of time

What is a beacon/preamble?
- Just another signal, but its known ahead of time

How to synchronize?
- Careful

Preambles are prepended to all transmissions
- Needed for symbol timing