

Questions for Robinson Lab

- For how long would we be able to put our stuff in the hive?
 - Around a week sounds good
 - Colonies would be available to use for up to about a month (they will be taken from the indoor enclosure and put outside for research then)
- Would we be able to use our own hive boxes? If so, 8 frames or 10 frames?
 - Probably
 - Check on if we have medium or deep boxes, colonies in deeps must remain in deeps and colonies in mediums will build lots of comb if put in a deep
 - (Nearly) all of the lab's boxes are 10 frames
- How often would we be able to knock on the hive box? How hard should we knock?
 - Unsure on time scale, random knocking might be best so that the bees don't become desensitized to it
 - On the order of one hour might be a good place to start
- Can we use hot glue in a hive and not worry about it melting?
 - Asked Prof. Schmitz 4/17
- How much clearance would we have between the frames on the edges of the box and the walls of the box?
 - We need to measure this with our own boxes
 - Frame sizes are standard
 - Taking one frame out looks like it'll add enough clearance for microphones, we need to verify this

Extra Info

- Electronics storage
 - Sounds like it will be easiest to store all our electronics (raspberry pi, arduino, motor control board) outside of a hive box (the original plan was to put an extra (mostly empty) hive box below the colony for all of our stuff)
 - Need to buy a small plastic tub
- Working at the bee lab
 - If somebody works at the lab for an extended period of time, they will likely need to sign a waiver for legal reasons
- Future directions
 - The lab has colonies undergoing different stressors (no queen, low honey, etc.) and we could train a model to identify these conditions
 - The lab would be very interested in an automatic bee tagging system