**Telemetry Videos/Tutorials**

*Compiled by Jillian Sterman*

Tips and tutorial videos to prepare for this week’s FW Club Meeting! This week we will be practicing radio telemetry field techniques. Specifically, we will use Yagi and H antennas to practice triangulation and direct approach in Baker Woodlot. Check out the videos below for an introduction to these techniques. At one of our next meetings we will learn how to analyze this data in R!

\*If you have a hard time hearing receivers, you can try using headphones

* Top Radio Telemetry Tips in 5 Minutes
  + <https://www.youtube.com/watch?v=XG9XgFQ7wsk>
  + Mostly talks about telemetry with Yagi antennas
  + Talks about a “sweet spot” on the gain, I talk about “sweet spot” in terms of how far up we are on the signal, different strokes for different folks
  + Great tips on patience, signal bouncing, signal interference (from power lines, cars, I’ll add phones)
  + Talks about height and signal strength
* Radio Telemetry in 10 Minutes
  + <https://www.youtube.com/watch?v=nuTp4zkjsZE>
  + Good explanation of the dials and screen
  + Good explanation of gain
  + Shows how to use signal strength
  + Shows what a Yagi antenna looks like fully extended
* Wildlife Techniques - Telemetry 101 (I like this video better)
  + <https://www.youtube.com/watch?v=gXCrvnTilgI>
  + Goes over background of what telemetry can be used for
  + He points his yagi weird to me but if it works, it works
  + Triangulation vs exact locations (homing)
  + This person talks about signal sound in terms of signal strength and gain like the other videos
  + Talks about walking around the target or circling it to get a better idea of location (good idea for the massasaugas as we try not to get too close)
* Triangulating an Animal Position with Radio Telemetry Data
  + <https://www.youtube.com/watch?v=Jq1UIfHk-7c>
  + Talks about manually doing triangulations WE DON’T DO THAT but it’s a good explanation of what triangulation is and how we use bearings
  + Really the only video I could find of someone doing triangulation…