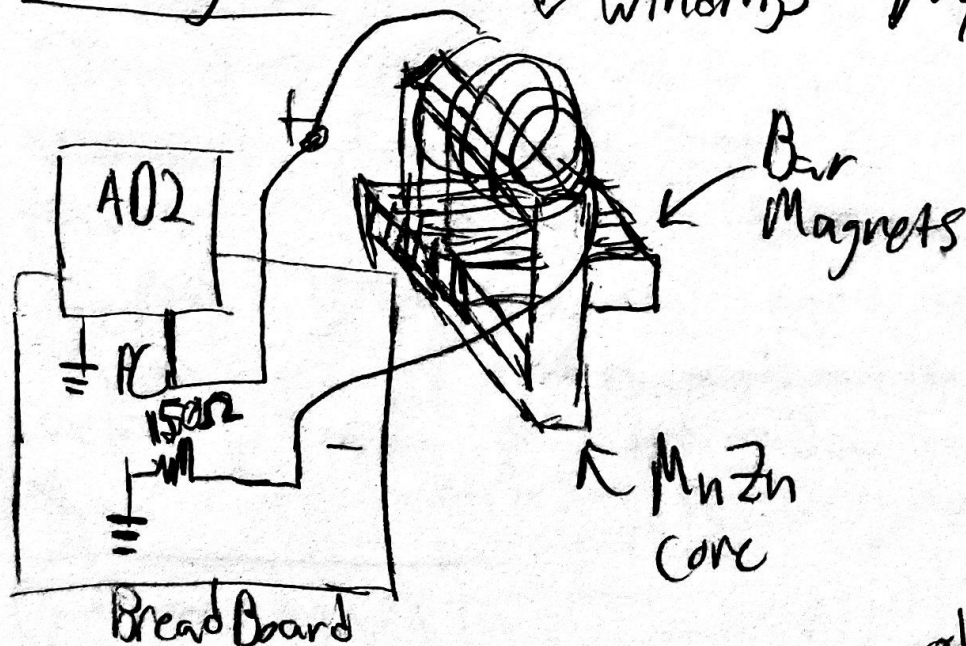


Ourboros V0.1

* The Arduino has been abandoned from the test setup because the R3 model we have lacks the digital to analog converter (DAC) to generate variable waveforms. We are now using the Analog Discovery2 (AD2) as our complete test bench setup since it has a built in waveform generator, oscilloscope, & other tools: Spectrum analyzer etc; even though it is limited in operating voltage $\pm 5V$ when supplied w/ a 5V 2.5A transformer. It should be noted we only have a 5V 2A transformer available at this time - so we are running our test waves under 5V amplitude as to avoid signal clipping.

Testing:

↓ Coil windings ⁿ roughly 50x9



* multiple wave forms were tested @ varying freqs & the plots are added to github

01/16/2024
V. Drake
Page 05