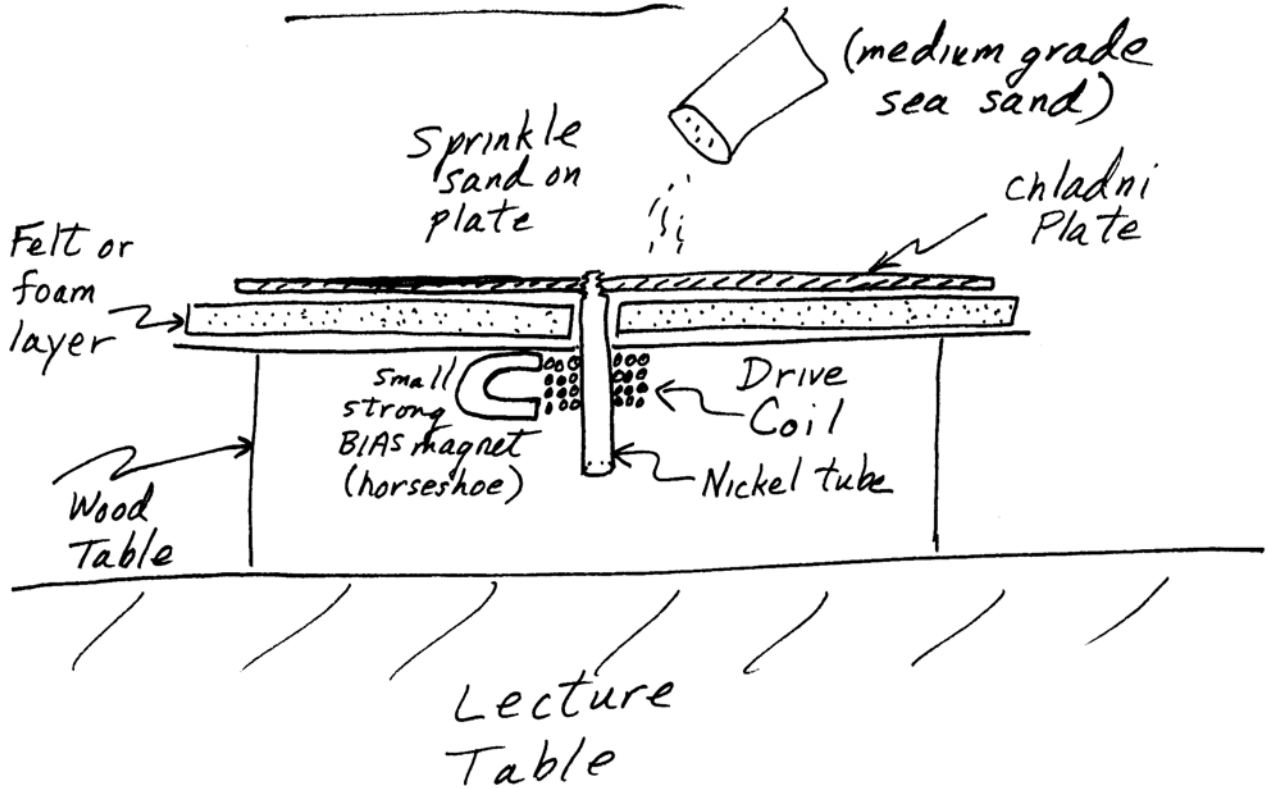


## General View

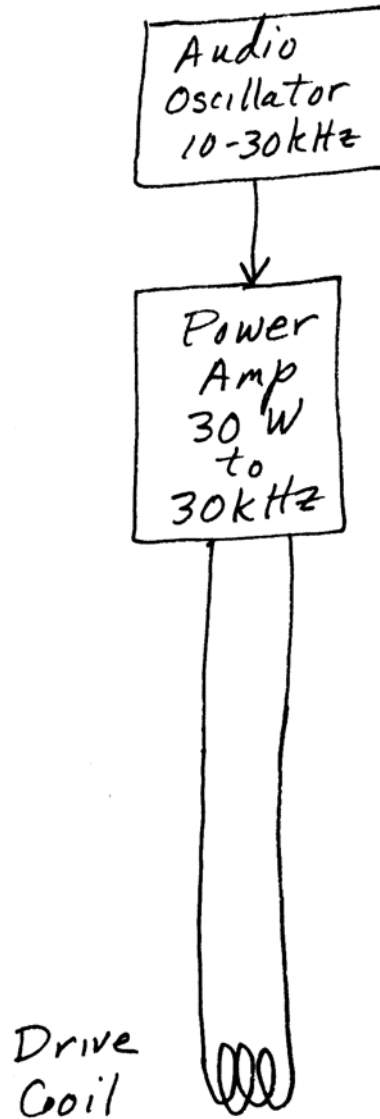


Plates:  $\frac{1}{8}$ " aluminum black anodized or painted  
Must be made symmetric to achieve  
clean & symmetric patterns

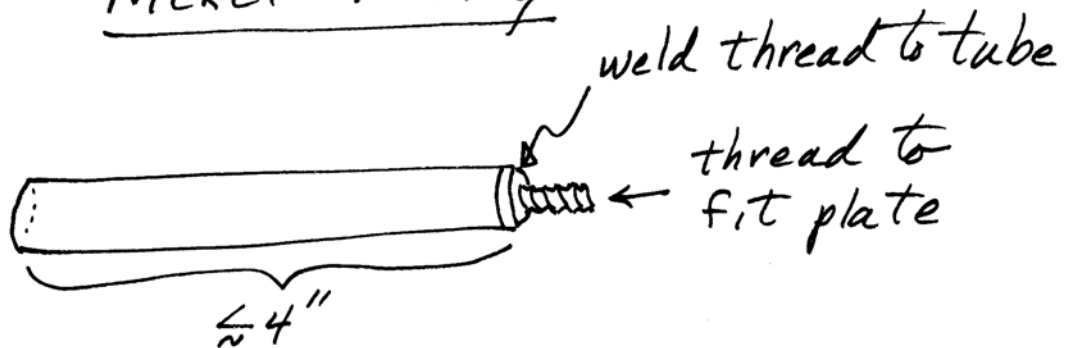
Nickel Tubing: Thin walled annealed nickel  
tubing (commercial grade, I believe)  
ID = 0.500" , Wall thickness = 0.015"

Drive Coil: 25 ft #18 enameled copper wire  
88 turns, ID = 0.65", OD = 1.60"  
Resistance 0.167  $\Omega$

# Circuit



# Nickel Tubing



## Nickel Tubing

Commercial grade nickel #200 annealed thin wall tubing.

ID = .5"

Wall thickness = .015"

---

## Drive Coil

25' #18 wire (enameled)

.167  $\Omega$

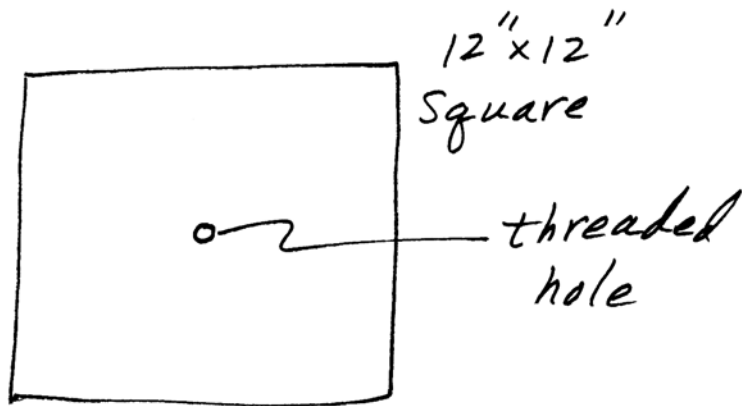
88 turns

Coil ID = .65"

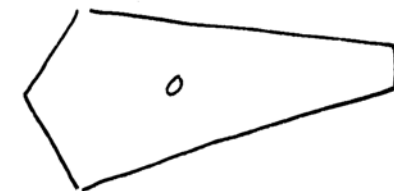
OD = 1.6"

# Plates

(all  $\frac{1}{8}$ " black anodized aluminum)



(make it look like a violin, but it must be symmetric to produce good patterns)



"Necktie"