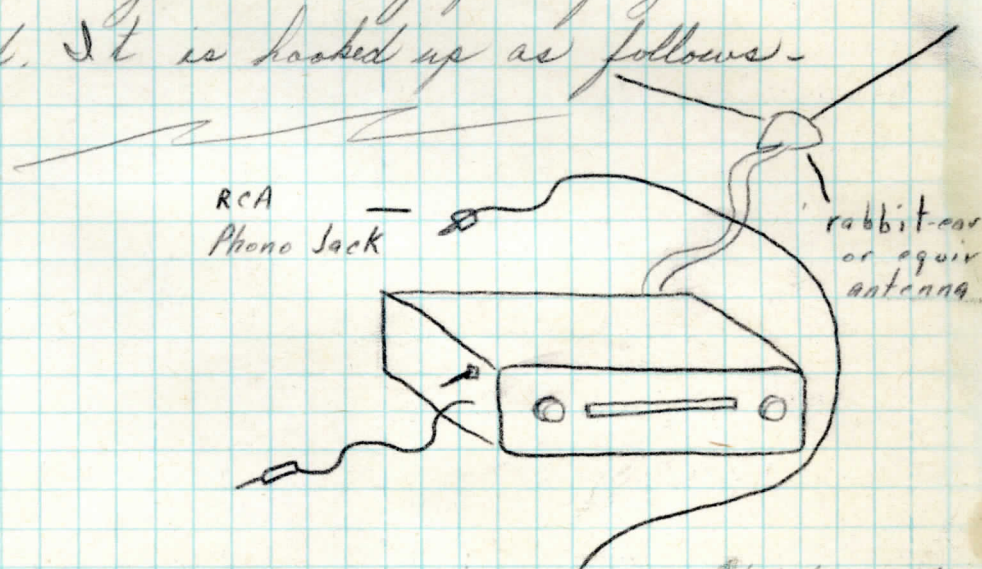
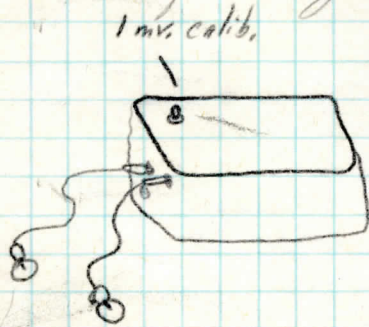


1-24-60

Dear Dr. Lindley

You should have the telemetry unit by this time since it was shipped to you special handling yesterday. Afraid your name was a bit mangled.

It wasn't the smoothest job in the world & had to dig into a casting for the first time after potting but it worked beautifully. Made several checks of it and $i \approx 1$ cm. Ag electrodes 1-2 cm apart over the forearm ^(digitally) flexors the slightest activity of the fingers produced adequate signal. It is hooked up as follows -



Ag electrodes
 o Bentonite paste
 Needles may be used
 but if so insert a
 1-2 μ f. capacitor
 in series o the medial
 lead - be sure to scrub
 the skin o a solvent
 before attaching electrodes

So recorder or display unit
 o a sensitivity of 1μ /cm,
 input impedance $> 100K \Omega$
 and freq. response to > 1 KC.
 If plugged into the 'tuner' jack
 response will be $< 20N - 720KC$.
 plugging into the 'multiplex' jack
 will lower system respos to
 $\approx 2N$ to 20 K.C. plus a
 D.C. tuning component -

For initial operation place tuner & transmitter close together
 1-2' and tune for max. indicator response - interference
 from broadcast stations may be checked by switching off the
 transmitter & observing any remaining signal - Can't think
 of it I forgot to add a tuning adj. but if you run into
 interference let me know & I'll send it on -