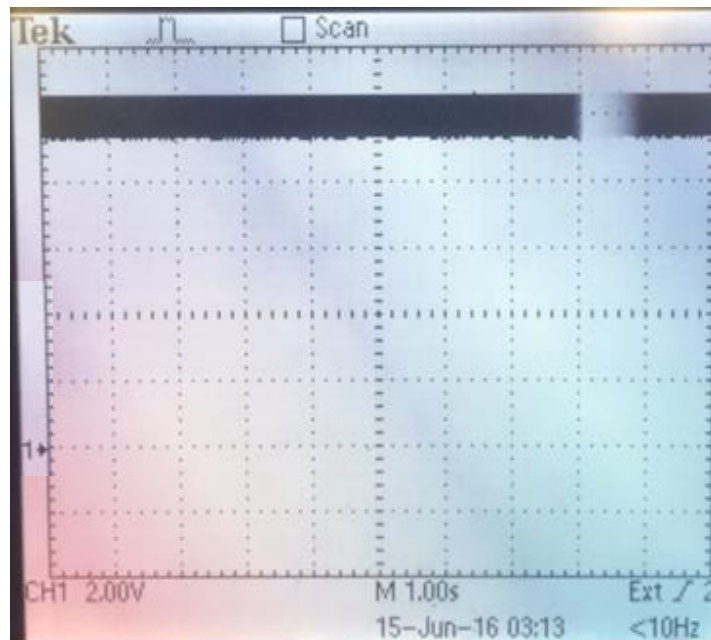


## Pre Lab 3 PHY 242

- 1) Read the Lab 3 Manual and complete all questions below.
- 2) What is capacitance? What is the name for the piece of equipment that has a constant capacitance?




## Post Lab 2

- 3) What is the voltage displayed on the Oscilloscope screen below? Make sure you give both the value and the uncertainty.



- 4) The output voltage from function generator can be described by the following equation

$$V(t) = V_0 * f(t) + C$$

Where  $V(t)$  is the actual output,  $f(t)$  is determined by the type of output shape, , , or . What is the effect of turning the frequency knob up?