http://publiclab.org/wiki/coqui

Coquí ♫♫♫♫♫♫♫♫♫♫♫♫♫♫♫
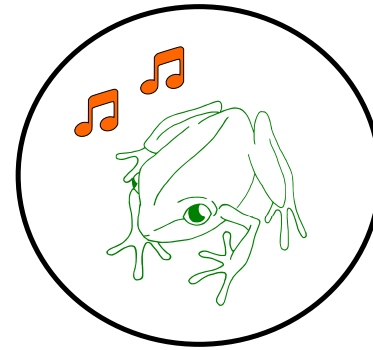
A low-cost, open source, audio-based instrument

555 timer

+Vcc
5 Ctrl Res 4
6 Thresh Out 3
7 Disch Trig 2
8 +Vcc Gnd 1
Out
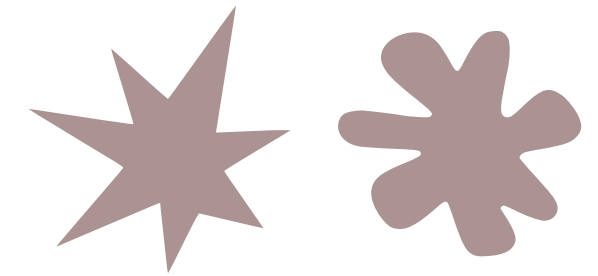Piezo Speaker
R
C
GND
0V
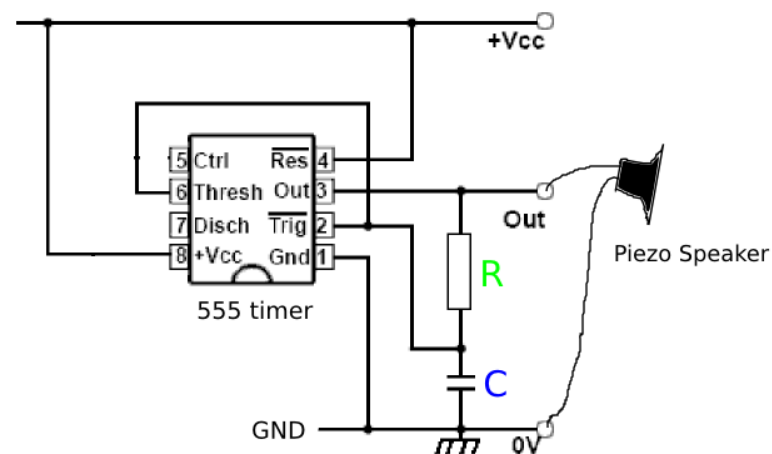
Measures:
* conductivity
* temperature
* light level
* any resistive sensor
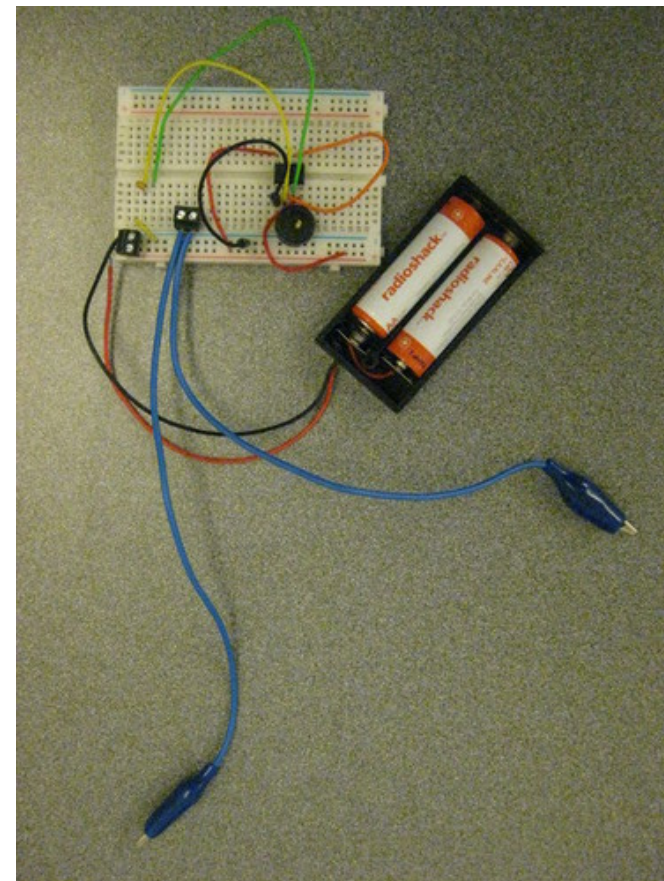
< $10 readily-available parts

Testing relative salinity
to track seal level rise

Audio interface to
smart phones
& laptops

Comparative
measurements
require no computer

openwaterproject.io

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