15 Haunted House

☐ An eerie sound comes from a small box in a dark room. As your friends shine a light toward the sound, it whines with a higher pitch, but falls

again as they drop the light and run. The output at A can also be run into your hi-fi system to cause a very loud witch's squeal. The principle is

cause a very loud witch's squeal. The principle is 99 IC PROJECTS 1984/21

higher value will give a lower-pitched wail.



C1—0.01-uF ceramic capacitor, 15 VDC

D1-1N4001 diode

IC1-4000 dual NOR gate w/inverter

Q1-FPT-100 phototransistor

Q2-2N4401

R1-30,000-ohm, 1/2-watt resistor

R2-1,000,000-ohm, 1/2-watt resistor

R3-2,000-ohm, 1/2-watt resistor

R4-500-ohm, 1/2-watt resistor

\$1-SPDT toggle switch

