

# Random pulse generator

(based on design by Charles Platt and Aaron Logue)

RANDOM  
PULSE(S)

## Common emitter amplifier(s)

(to buffer pulse(s) out from the logic ICs)

BUFFERED  
PULSE(S)

## Multiple logic gates

(# of inputs to a gate correlates with event frequency.  
Use as many gates as you need for different event triggers.)

EVENT  
TRIGGER(S)

## 555 monostable aka “one-shot” timer(s)

(Use R or C value to set event duration.)

ON/OFF  
SIGNAL(S)

## Mosfet switch(es)

(or switch some aspect of the circuit on/off)

ON/OFF  
SWITCH(ES)

## Individual sound generators

(random on/off pattern with desired frequency)