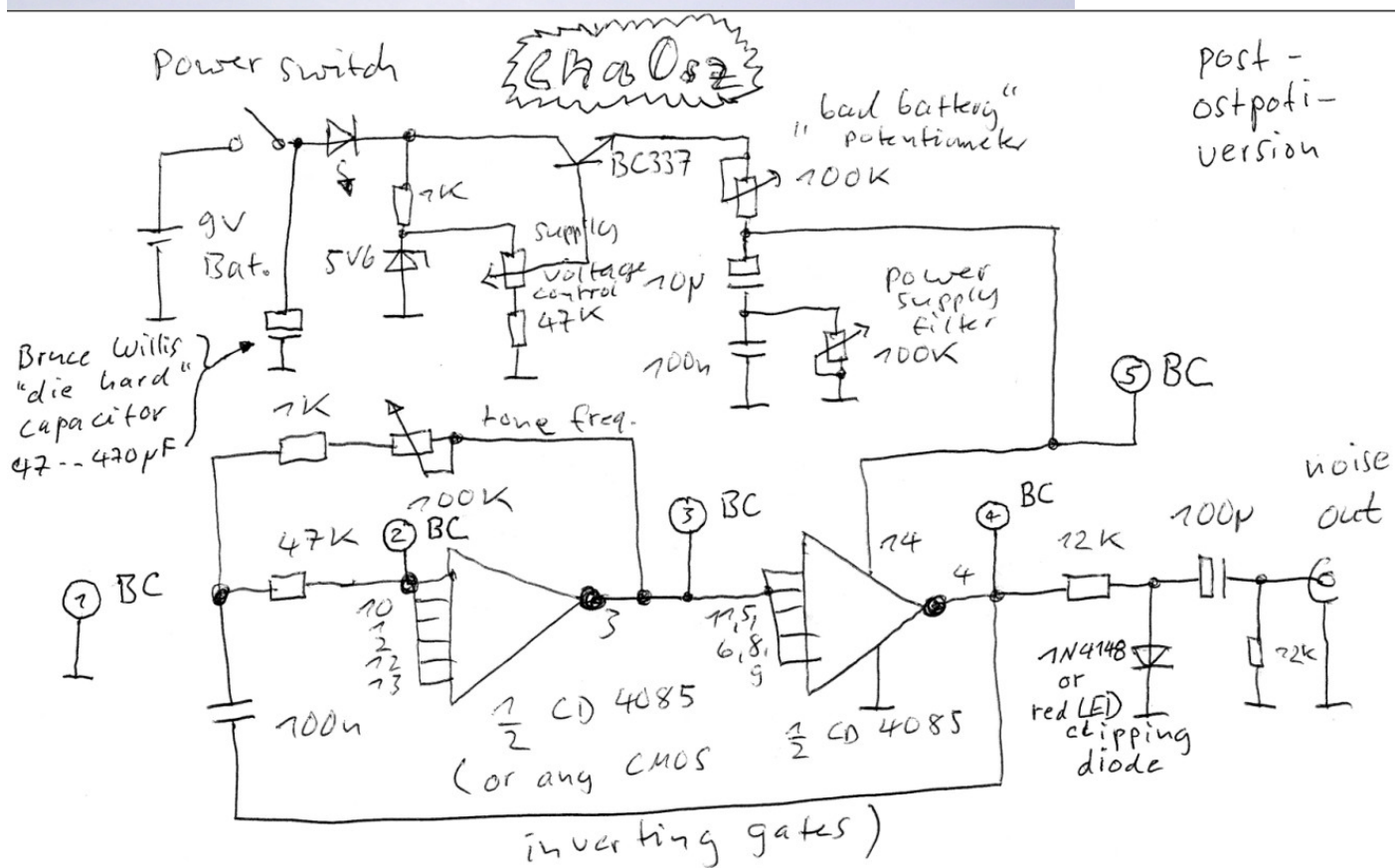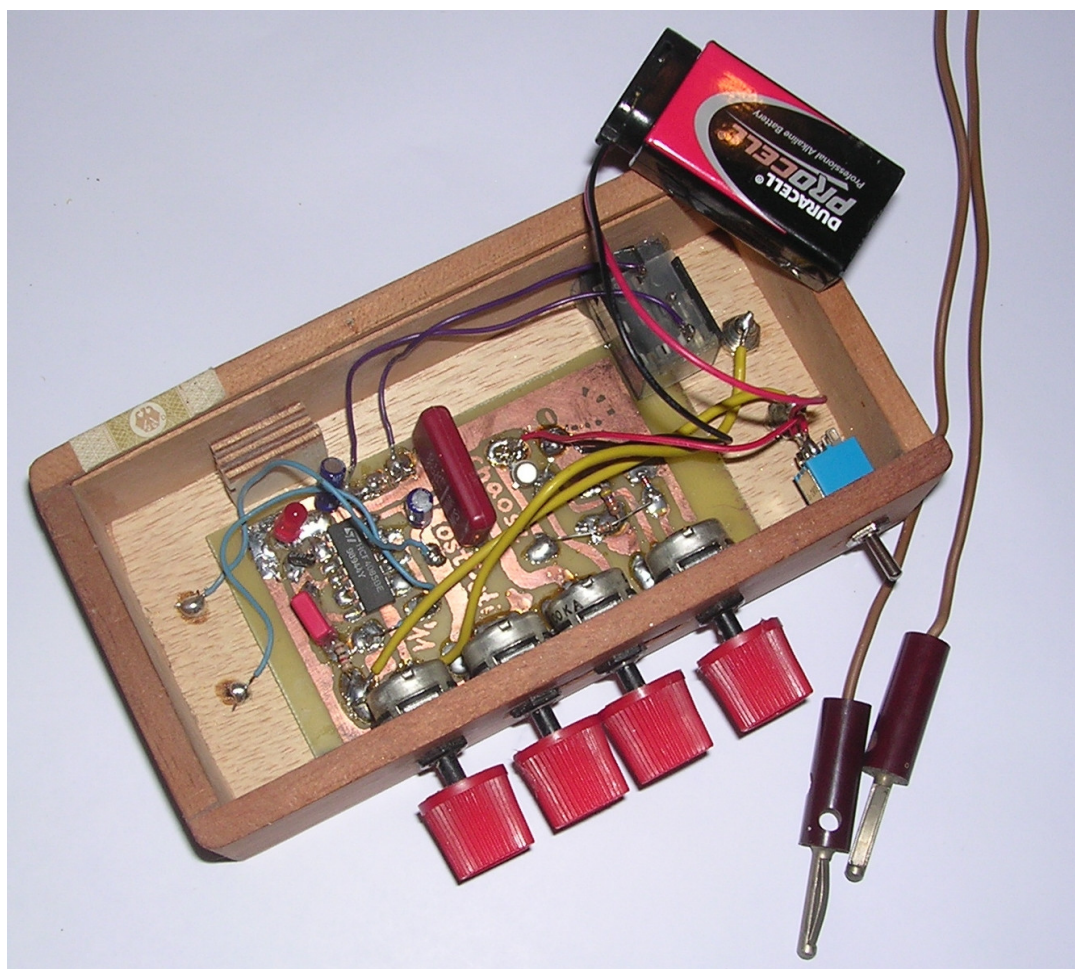# chaosz

chaosz is the Kulturgüter-Schuppen classic of dBm instruments. It was created in 2010 at the first Circuit Control Festival Dresden in the legendary Ostpol location. CHAOSZ (CHAOtic OSZillator), is a simple astable CMOS oscillator that can be made chaotic by power starving and variable filtering of the power supply. The sound ranges from a boring square wave to stomping locomotives to clucking chickens...

Power switch   ⌇ChαOs⌇   post-
                                                          ostpoti-
                                        "bad battery"   version
                                        potentiometer
                          ⟋   BC337   ⟍ 100K
       9V   power
       Bat.   5V6   ⟍1K supply   10n   supply
                          voltage   filter
Bruce Willis   control   100n   ⟋ 100K
"die hard"   47K
capacitor   ⑤ BC
47--470µF

        ⟍1K   tone freq.   noise
   47K   100K   100n   out
      ② BC   ③ BC   14   ④ BC   12K
① BC   10   1,5,   4   ⑥
       11   6,8,   1N4148
       12   9   or
       13   red LED)   22k
    100n   ½ CD 4085   ½ CD 4085   clipping
        (or any CMOS   diode
            inverting gates)

        BC = body contacts   ℗ 2011
   (also try with capacitors instead of fingers!)
        put 4085 on socket if you use BCs

chaosz schematics Version 2011: touch body contacts (BC) and output clipping to preserve the hearing of the remaining ear ;-)

download chaosz .mp3 example

CHAOSZ FAQ

why this exotic CD4085 chip ?
because I got some hundred of them for free. You can use almost any CMOS gate connected as inverter in this circuit

what's this Bruce Willis "die hard" capacitor ?
it creates a "power starving" envelope after switching off chaosz

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