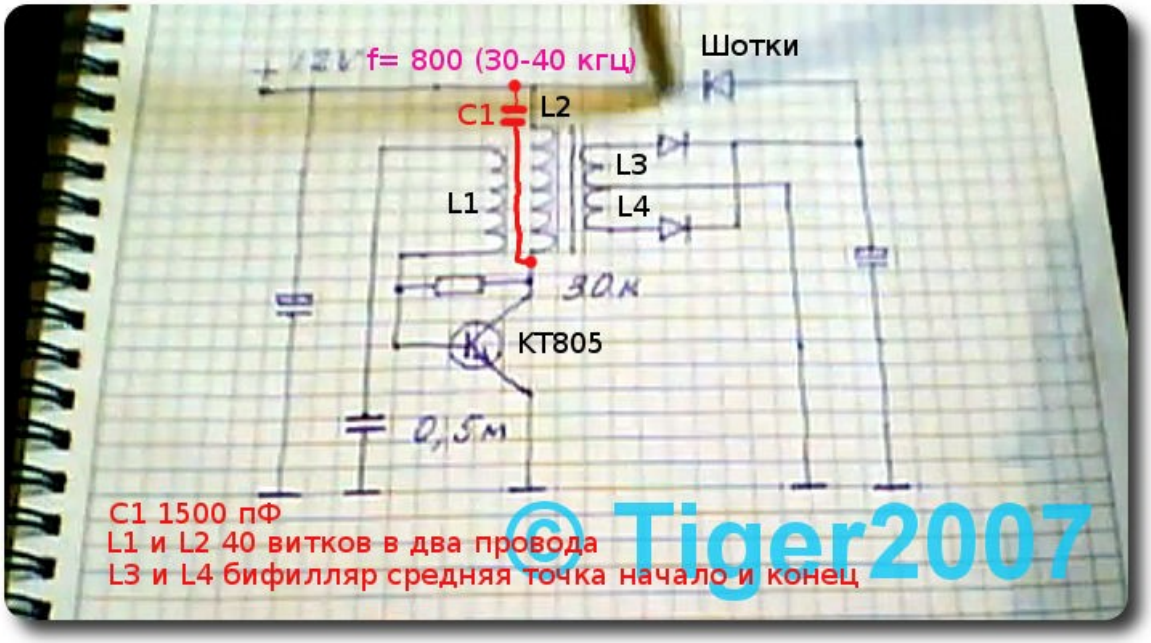
https://www.youtube.com/watch?v=bcftGrBEaL0
“Power Supply Feedback”

transcript:
0:00 Ok, we have here a typical blocking generator made with one transistor
transformer with ferrite core
full-wave rectifier, capacitor, diode for power feedback
Looks like nothing unusual here, let’s see how it works
0:30 here it is this device
here blocking generator, transistor KT805, transformer with toroid ferrite core
rectifier schottky diodes from computer power supply, capacitors
feedback circuit with diode
1:09 let’s take a look on scope trace
sorry, it is already started
we need to stop it first
it stopped by shorting
1:33 ok, starting generator
started, let’s see
we see pulses from blocking generator
let’s change time scale
2:06 after pulse we see ringing of LC circuit
this is our free energy
by some reason people doubt that it is possible to extract it
yes, it is possible
here, nothing, I disconnected battery
here it is
2:32 it’s not needed, system working
let’s observe how it works
I will stop it again
I can stop only by shorting (capacitor)
didn’t stop
ok, now it stopped
let’s start again
please note, here very well seen that capacitor slowly discharging and amplitude
decreasing
3:09 and then it stabilizes and amplitude grow
it finds own operation mode
nothing connected, working only from own energy
no hidden power supplies
nothing
3:48 so amplitude increased and stabilized
now it will continue working like this
I don’t know how long
works like this since I built it
not easy to stop, only by shorting
one more time - schematic
4:18 here generator itself
scope trace, we see it is running
of course power is very small
4:40 on the scope trace experienced people will see immediately
that it does not tuned

it worth to adjust LC circuit frequency
of course ringing with just 200 fading osculations is not very good
so if this would be tuned I think it is possible to lit a small bulb
will be a everlasting flashlight
thanks to everyone

From archive:



C1 1500pf
L1 and L2 40 turns each (wound with two wires simultaneously)
L3 and L4 biffilar 2x10 turns (middle point L3 start and L4 end)
base’s capacitor 0.5uF
base’s resistor 30k

Self-powered BLOCKING !!!
www.001-lab.com/001lab/index.php?topic=1056.2850 (site is offline since 2014)

I read about this scheme about a year ago. One friend conducted experiments with ferrites from TV OS ... Got self-running at the natural frequency of ferrite. By the way, different ferrite samples had their own frequency, in the region of 400 kHz - 600 kHz. Apparently it depends on the specific conditions of baking. Then he switched to cores twisted from a VCR tape. The generation frequency is in the region of 1 MHz. I got self-running without any active elements at all ... Only coils and that's it ... Then the web page was closed. I managed to partially save the data. With the advent of the device from Crazy Alex and Elf, this data partially surfaced again on the network .. And now the good fellow Tiger has repeated the experiments !!! We will modernize and optimize the circuit !!! Perhaps you will get a "popular" CE generator with a minimum of elements and simple adjustment ...

The collector and base windings are wound simultaneously (in two wires) and have 40 turns each. This is not a good option, you need to clarify. I got the frequency of the collector circuit much higher than the blocking pulses - this is very bad. The output ones are wound in two wires with a bifilar, the start - end connection is the middle terminal. Attention !!! Output should be done only according to this scheme, it excludes DC magnetising of the core. In the self-supply mode, the voltage sags, then stabilizes around 7.5 volts. The probes have nothing to do with the radio stations too. The blocking frequency is about 800 hertz, the ringing frequency of the circuit is about 30 - 40 kHz.
I clarify the data: I measured the distance between pulses - 6 milliseconds, the pulse itself has a strange shape: needle-like, polarity up and down on one line, the upper part with an amplitude of 5 volts, the lower 10 volts. Needle pulses. I removed the left capacitor, it does not affect.

Guys, I'm sorry, a mistake crept into the circuit: the collector coil is an oscillatory circuit !!!
I forgot to draw a capacitor parallel to the coil, of course, the capacitance must be selected, I have 1500 pF, there is no reason to put too much too - we will ditch the Q-factor of the LC tank. Thanks for the bipolar blocking schematics - exactly what you need. I think bipolar driver will be more effective.

Good evening. Well, some time has passed, now we can talk about something. Here are the results of my observations. I've been watching the toy for four days already, what did I find out?
1 . when starting from 5 volts, there is a smooth increase to a voltage of 7 - 9 volts, then stabilization. When starting from 3 volts - slow drop and stop. When starting from 12 volts - voltage drop and stabilization within 7 - 9 volts. Without interruption, the maximum operating time is about 20 hours. Depends on the time of day. There were several stops, all at night. In the time interval from one in the morning to seven in the morning, upon restarting, the self-generation voltage dropped to 5-6 volts and more often stopped after a few minutes. In the morning, the start-up is easy and throughout the day the device works extremely stable, I tried to connect the LED - it gradually goes out, I remove it - the voltage rises. During the day, the voltage fluctuates between 7-9 volts. It is difficult to stop, it is necessary to hold the connector longer. Starts easily. Placing on the screen does not stop. Now some ideas have appeared ..... We work further.

Yes on the video you can count L3, L4 = 10 + 10 PVC-insulated wire, diameter 1.5 mm, insulation diameter 2.4 mm. The speaker cable is most likely from the China, the parameters are about the same. Still, Distine (other forum member) advised replacing the resistor with 1 megaohm - I tried it, much better. I tried to light up the LED - it does not have enough power. There is good news that Romanov has a self-running blocking, I don't know the details yet.