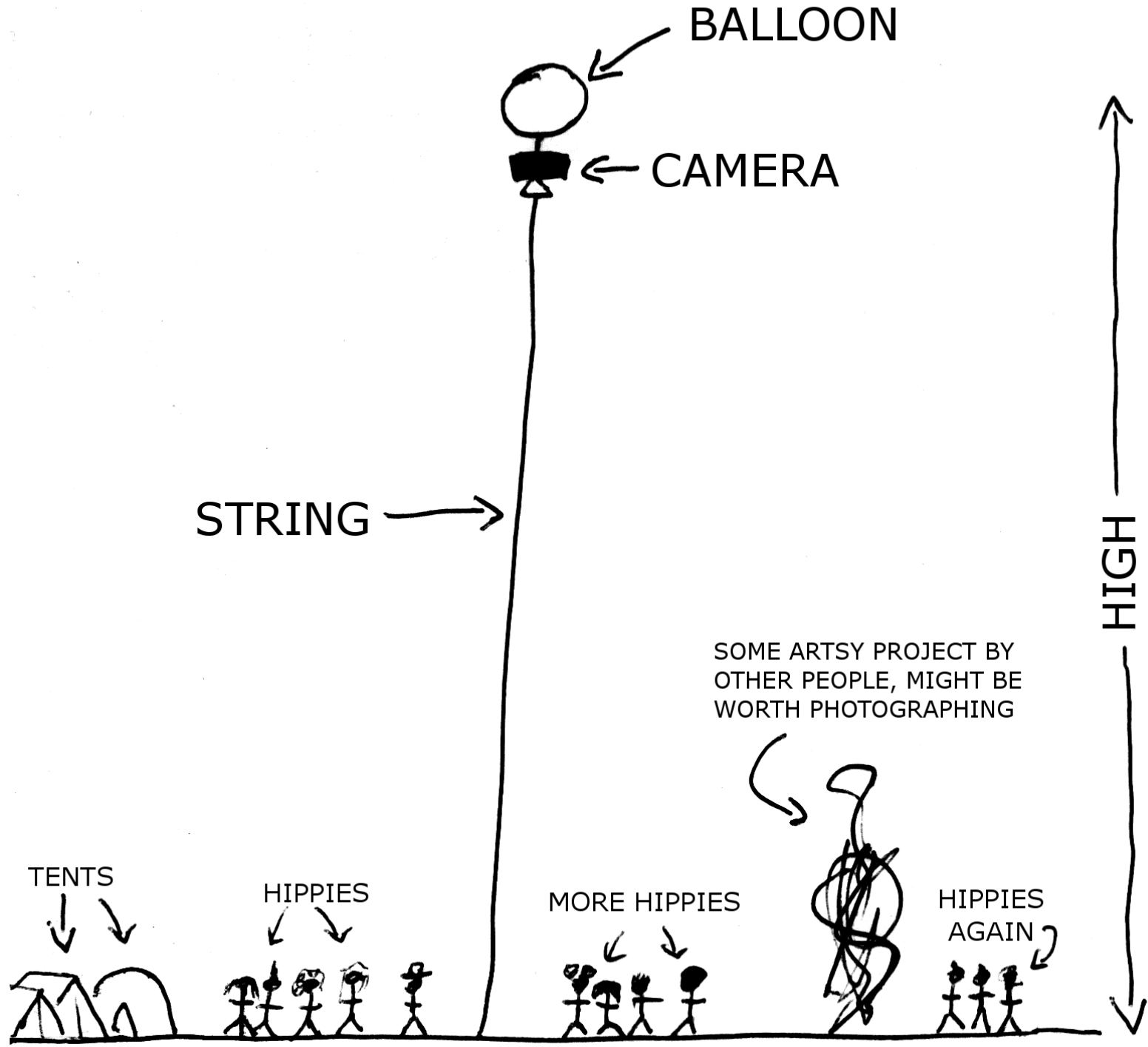


Hacking in the real world

Photography from above

Guillaume Emont
Igalia





BALLOON

CAMERA

STRING

HIGH

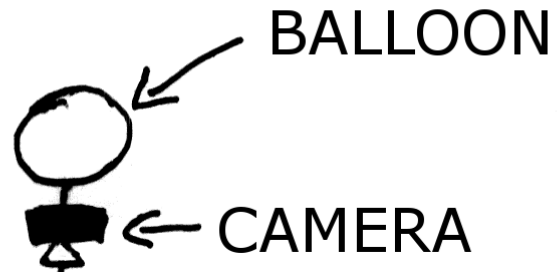
SOME ARTSY PROJECT BY OTHER PEOPLE, MIGHT BE WORTH PHOTOGRAPHING

TENTS

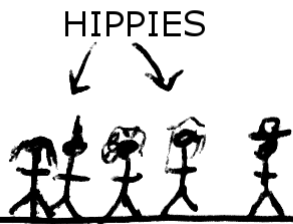
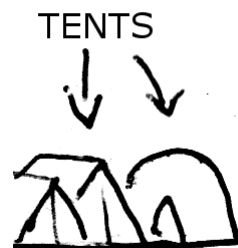
HIPPIES

MORE HIPPIES

HIPPIES AGAIN



Very low orbit satellite



SOME ARTSY PROJECT BY OTHER PEOPLE, MIGHT BE WORTH PHOTOGRAPHING





How do you push the button?



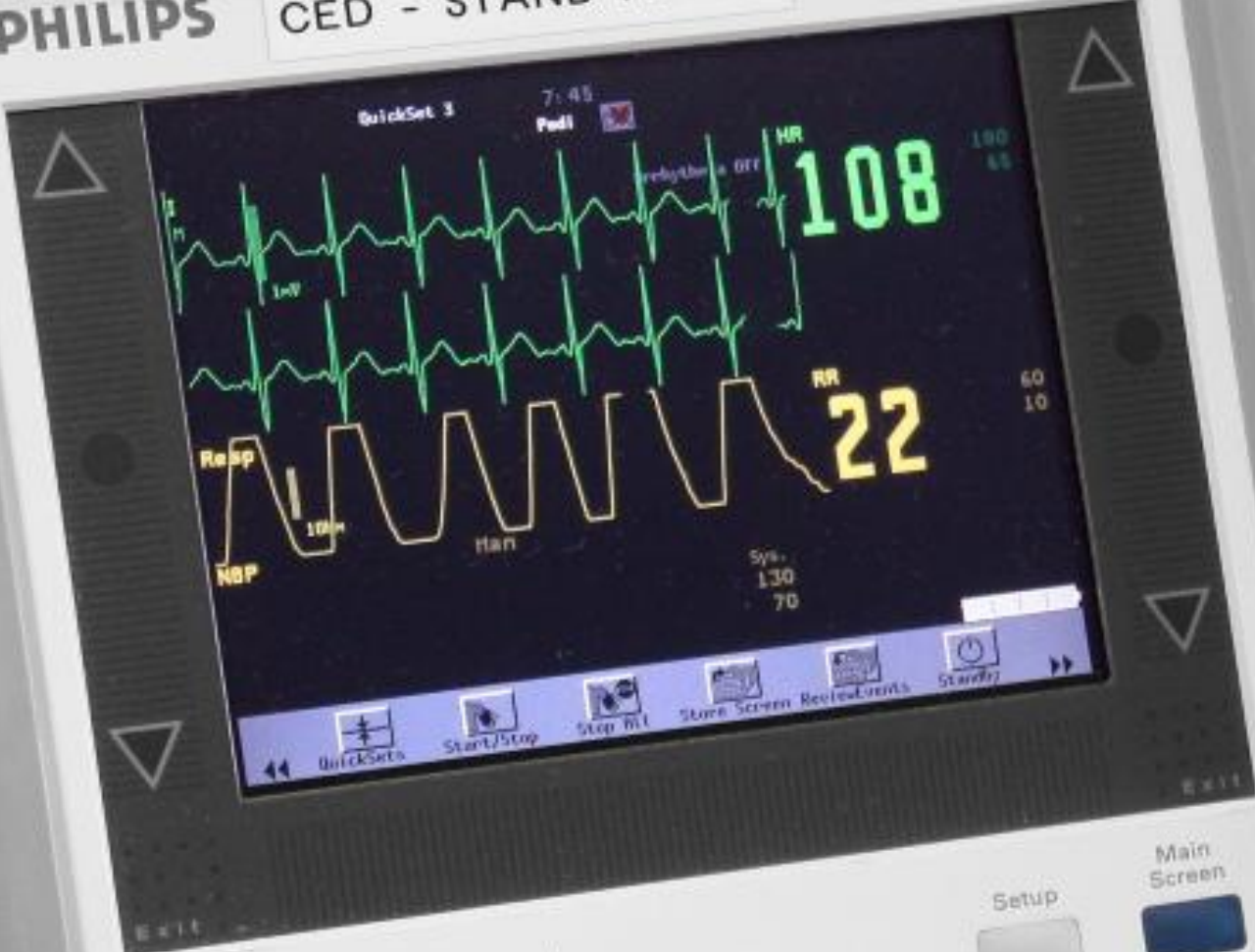
CHDK Firmware 'CHDK 0.9.8-766'
Build: May 24 2009 12:33:15
Camera: a720 - 100c

CHDK!

Canon Hack Development Kit

PHILIPS

CED - STAND RES



Silence/
Reset

Suspend

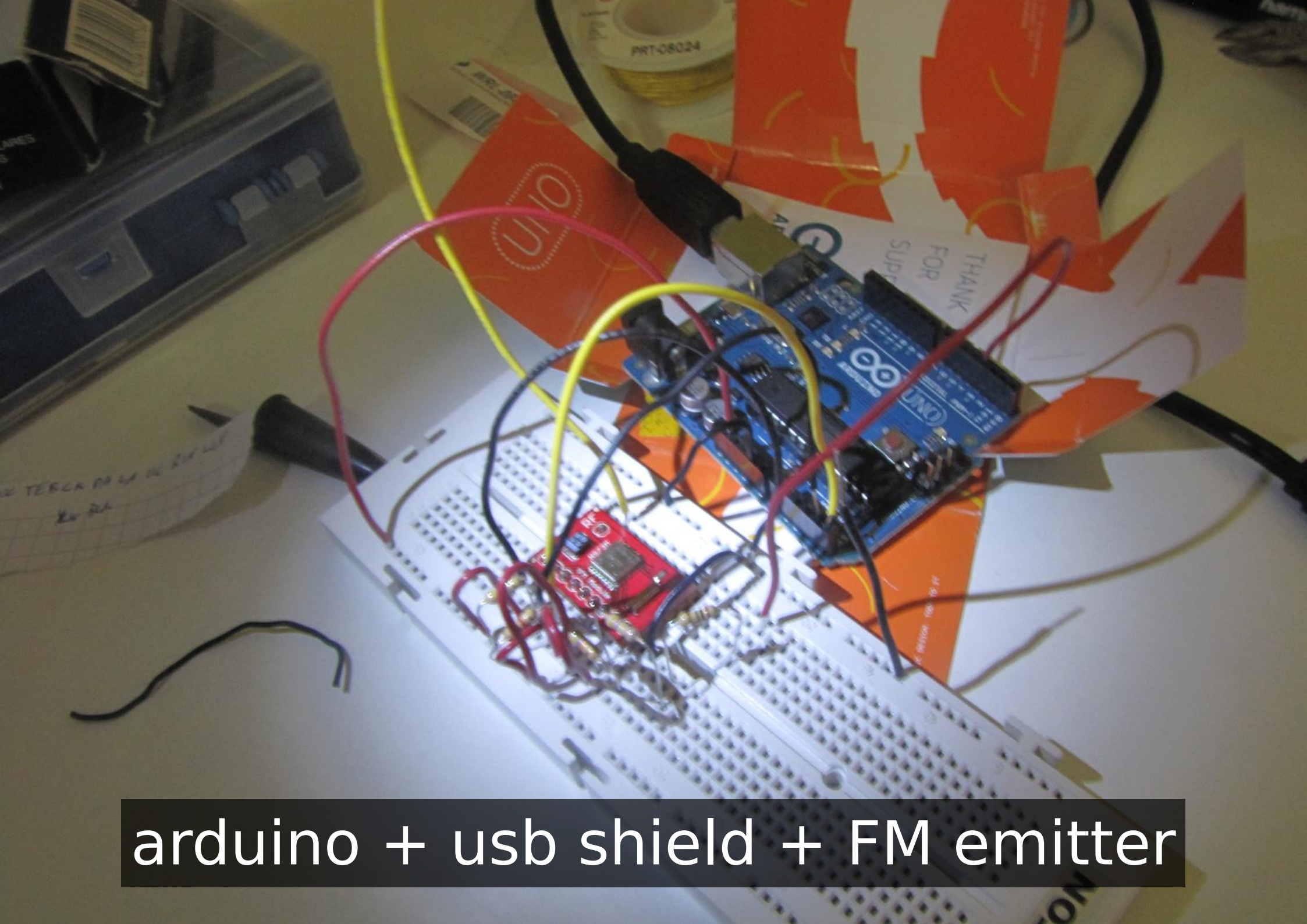
Setup

Main
Screen

AC Power
Battery

On
Off/Standby

Monitoring from Earth?



arduino + usb shield + FM emitter



Time lapse ?

GStreamer!



Can has Stabilisation?





OpenCV!

GstStabilizer

<https://github.com/guijemont/GstStabilizer>



Before/After

An aerial photograph of a sandy beach. A large orange flag is planted in the sand, with a thick orange ribbon tied to its base. The flag is partially unfurled. In the background, there are several people, a blue tent, and a line of parked cars. The foreground shows the dark, textured surface of the ocean waves. A black text box is overlaid at the bottom of the image.

The result (so far)

Thanks:

- Igalia
- Creative Support Team of Nowhere
- People who helped us (you know who you are)

More info: <http://balloonfreaks.mooo.com/>

Image credits:

balloon: (c) Ugo Riboni

CHDK splash screen: CC-BY-SA 3.0 An0n <http://chdk.wikia.com/wiki/File:SplashScreen.jpg>

shutter button: CC BY 2.0 Muhammad Usman <http://flic.kr/p/4y6v2C>

monitor: CC BY-NC-SA 2.0 Boyce Duprey <http://flic.kr/p/8S3ofm>

beer: CC BY-SA 2.0 [puamelia] <http://flic.kr/p/6gXTi2>