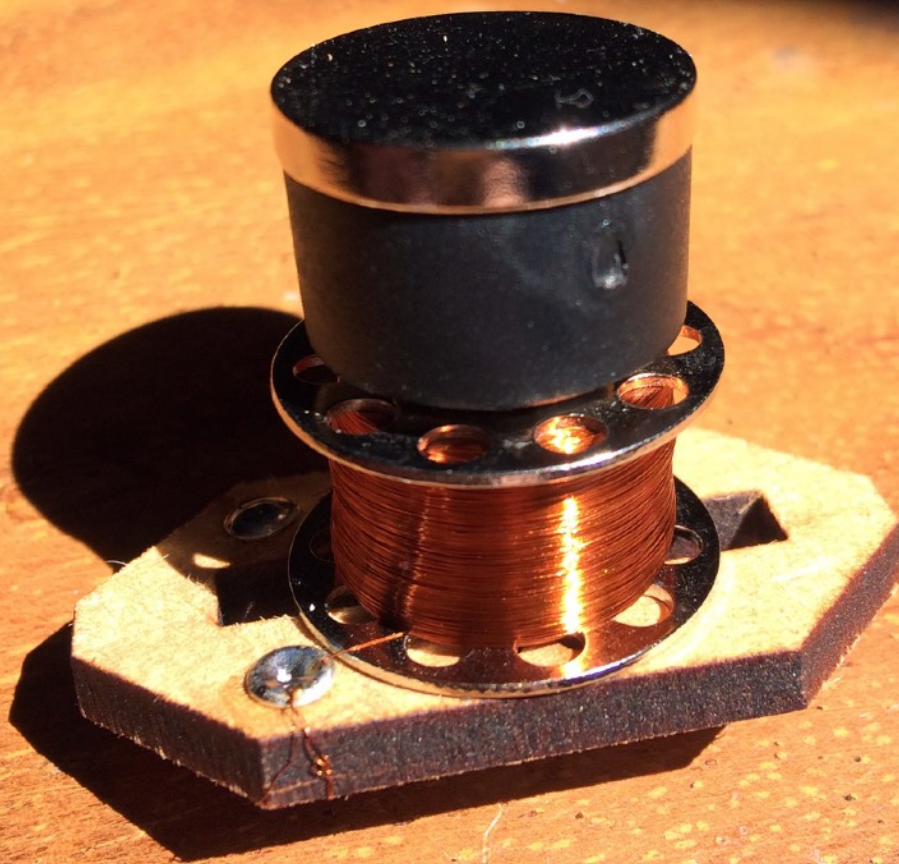


RECYCLED PICKUPS



A pickup is a microphone like those in electric guitars which amplifies metal vibration and electromagnetic fields.

This microphone does not regulate the vibrations of the air, but all the vibrations of metallic objects and also in contact with the surface of the magnet. It will be possible to amplify the vibration of a guitar string, springs and all other metallic objects. This microphone is also sensitive to the perturbation of electromagnetic fields from mobile phones, digital screens and other electronic devices.

description workshop :

The workshop proposes to create a magnetic pickup from simple elements of our daily diverted from their primary utility to build at a lower cost a proper magnetic pickup ; using a strong neodymium magnet, copper wire wound with a drill (or a winding machine) around a steel axle.

« Recycled » means we need recycle some coils in old radios, dvd player, hard drive...
The aim is to make the difference in application about piezoelectricity and electromagnetism and associate both amplification systems to produce sound differently.

Tech spec and requirements :

copper wire coils :

0,3 mm to wind by hand or by drill

0,1 mm to wind with a winding machine

bobbins : metal cans of sewing machine

audio cable, male mono jack 6.35 mm

strong magnet, neodyme \varnothing 10 mm

Fiberboard, 3 mm

screws

Tools as drill, cutting pliers, soldering iron

sound system or PA with mixing desk (to be able to test the microphones and possible performance at the end of the workshop)

Participants :

From 10 years old...

Musicians (strings player) will find a particular interest in this workshop which is relevant for both beginners and experienced do-it-yourselfers.

Skills :

it requires basic knowledge of electricity

handling of specific tools (soldering iron, drill, winding machine)

finalization capacity,

meticulousness,

Past workshops, experiences :

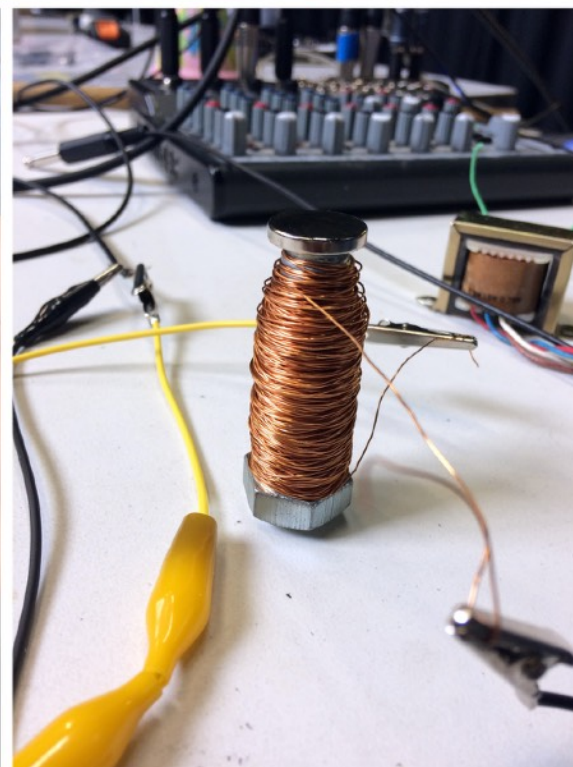
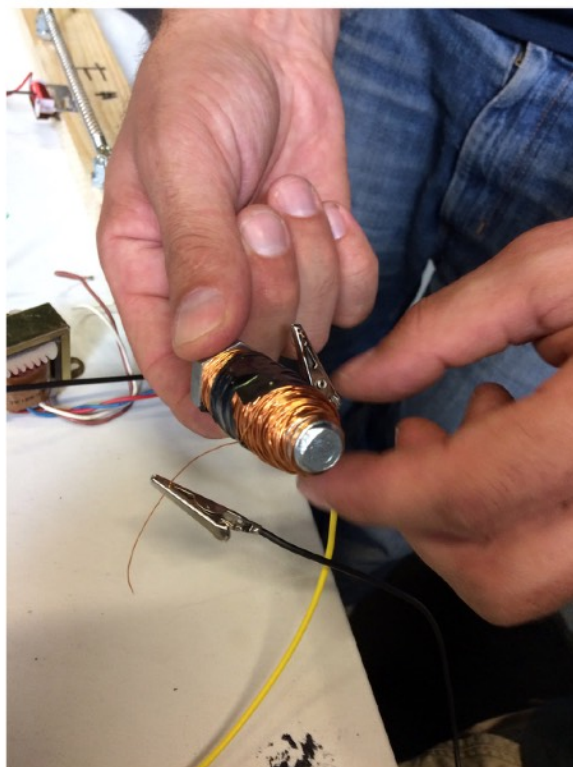
2017 : Lutherie Urbaine, Paris, fr

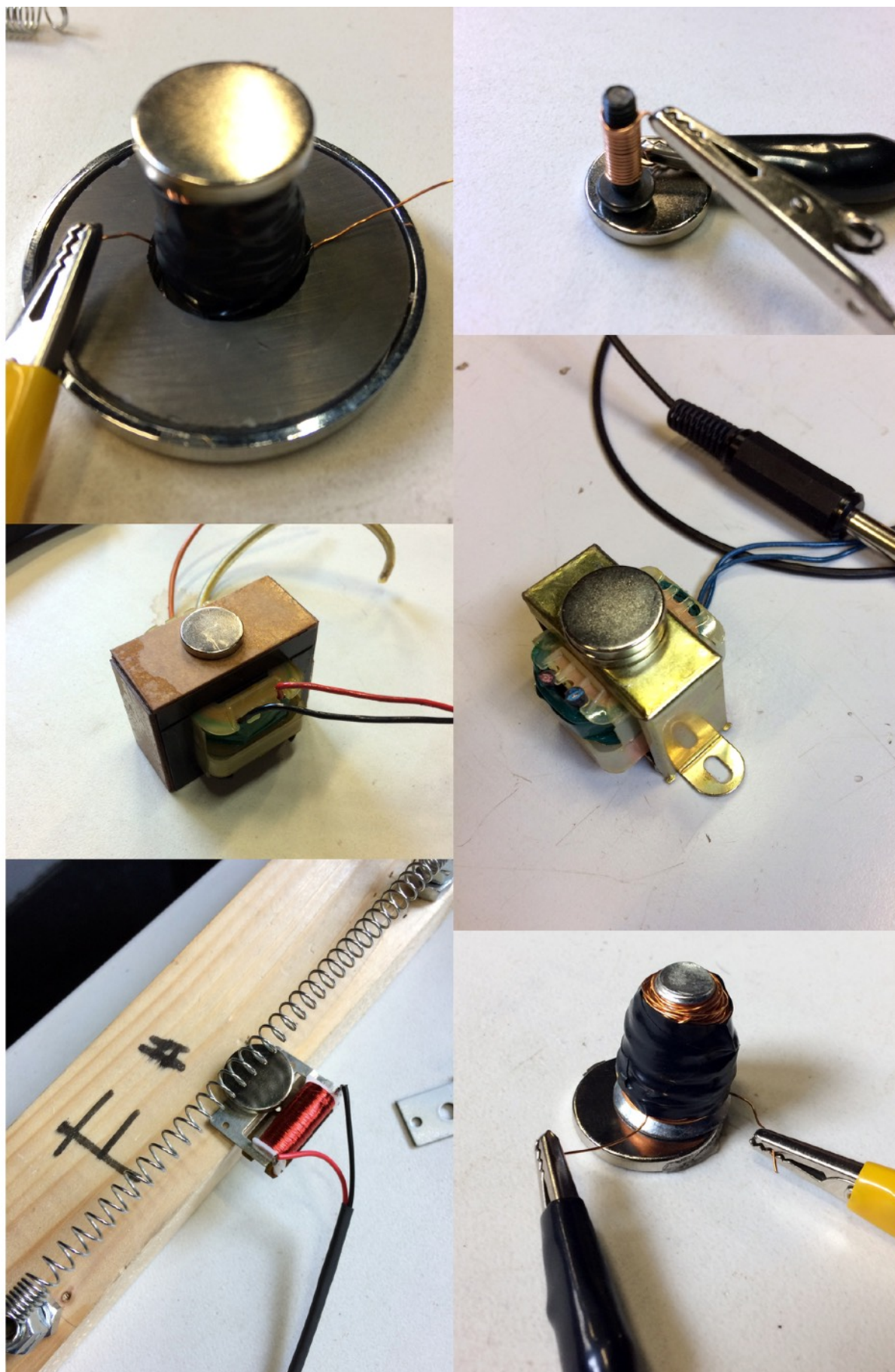
2018 : CRAC, Montbéliard, fr

2018 : Doncaster college, uk

Workshop “Recycled Pickups” at Lutherie Urbaine, Paris, France (May 2017)

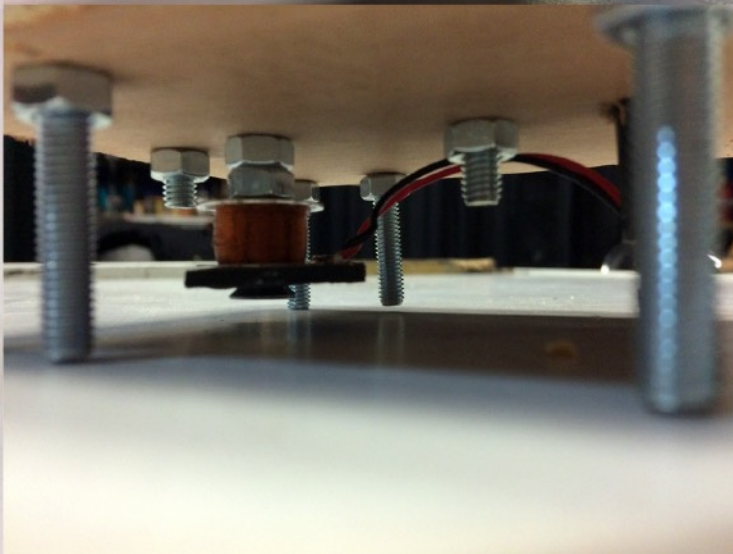
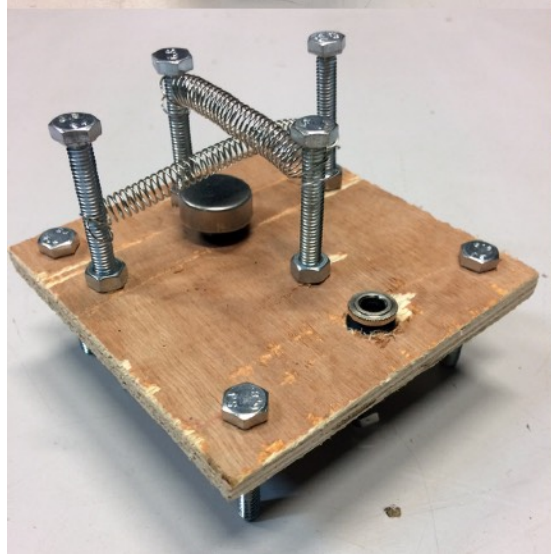
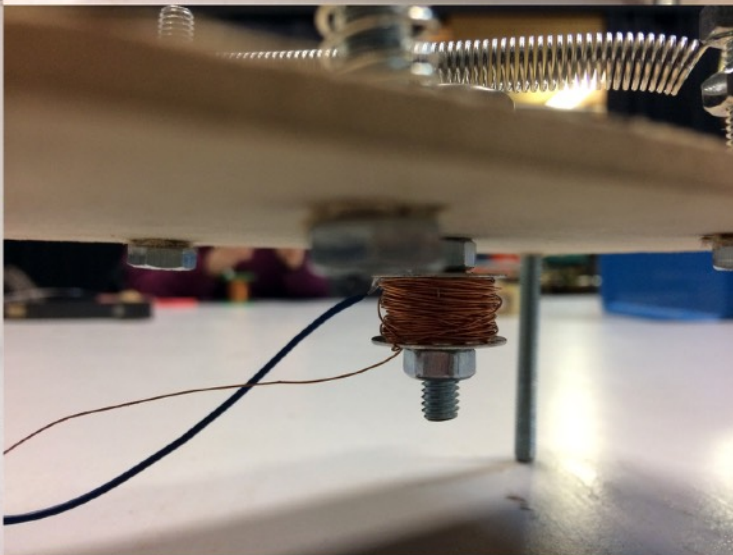
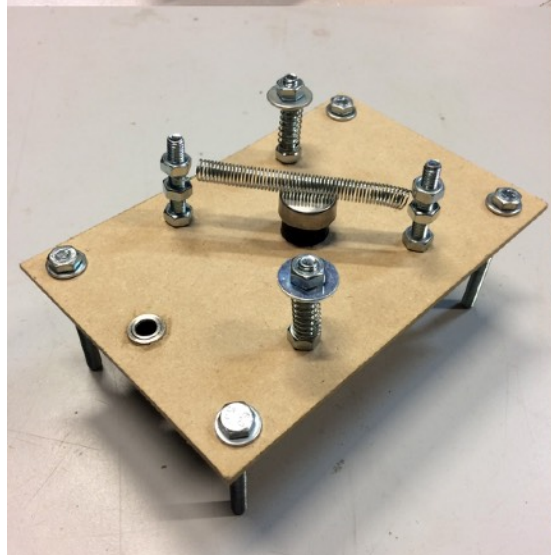
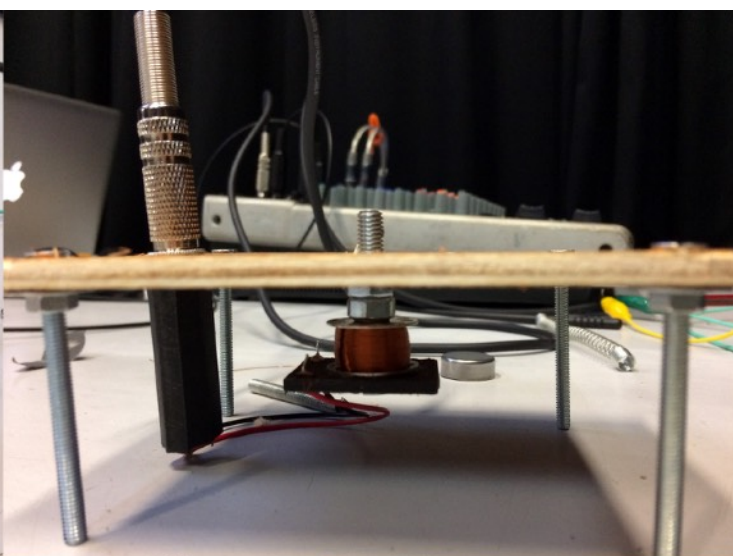
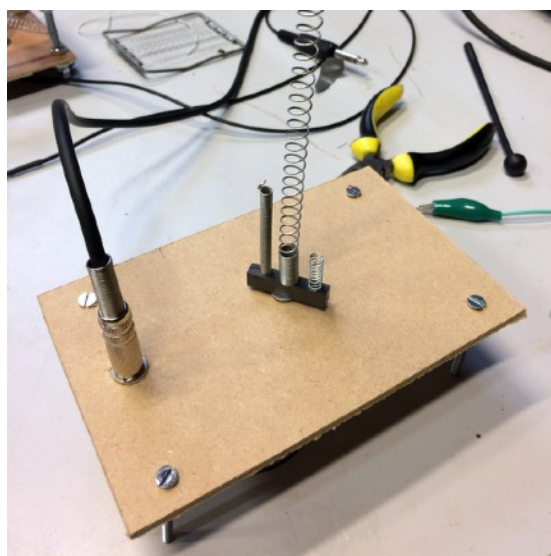
Bobinage du fil de cuivre à l'aide d'une perceuse





AUDIO : <https://middleeightrecordings.bandcamp.com/track/recycled-pickups-lull-song>

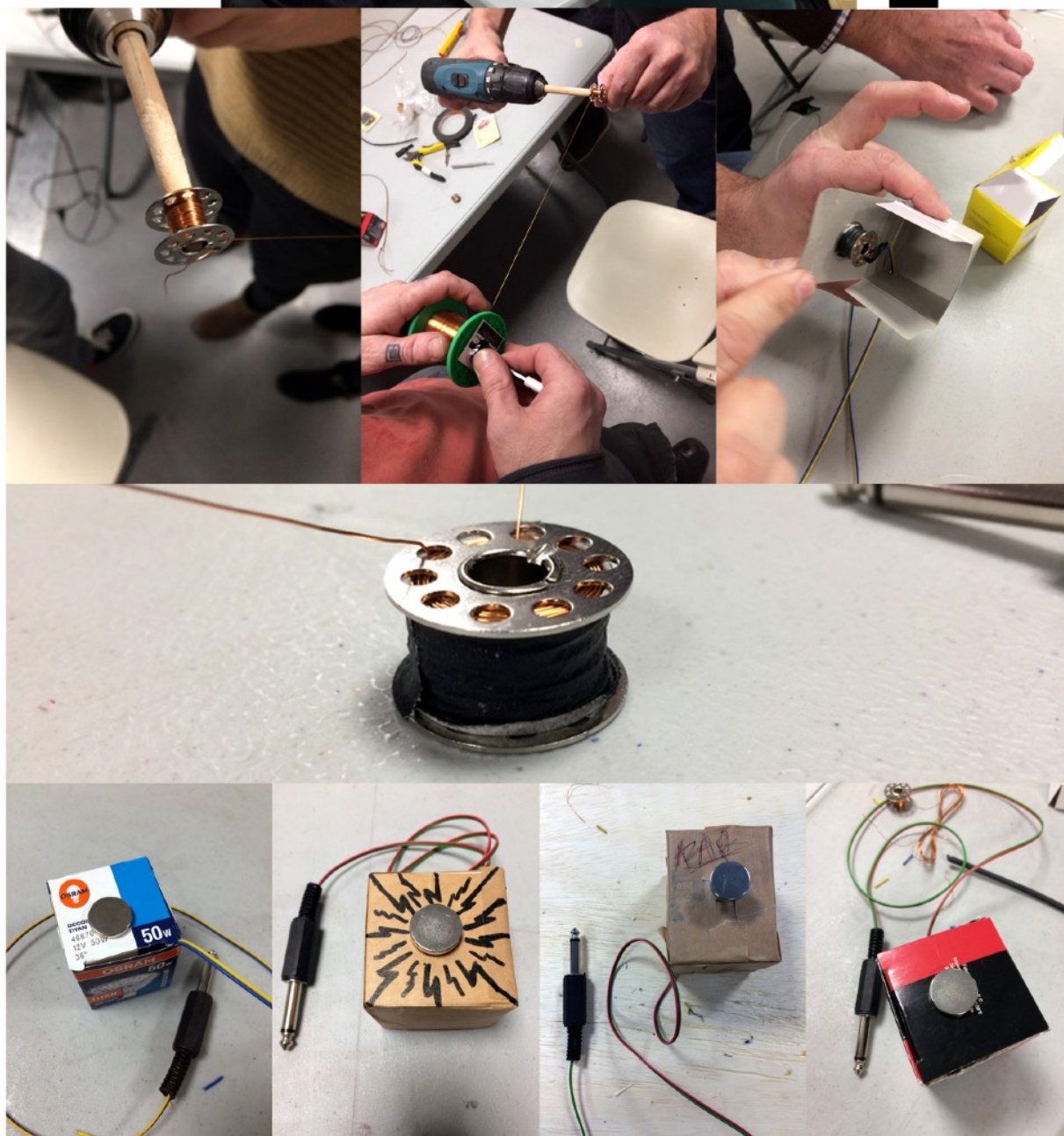
Workshop “Recycled Pickups” at Lutherie Urbaine, Paris, France (November 2017)



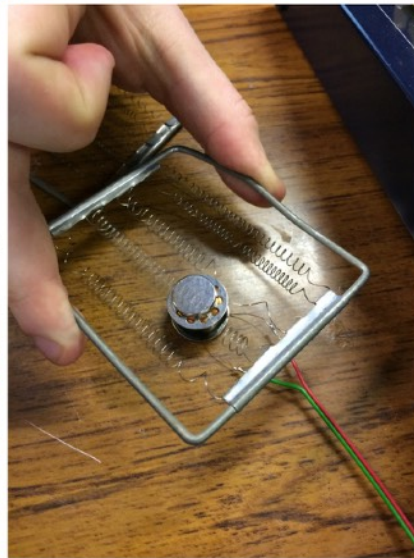
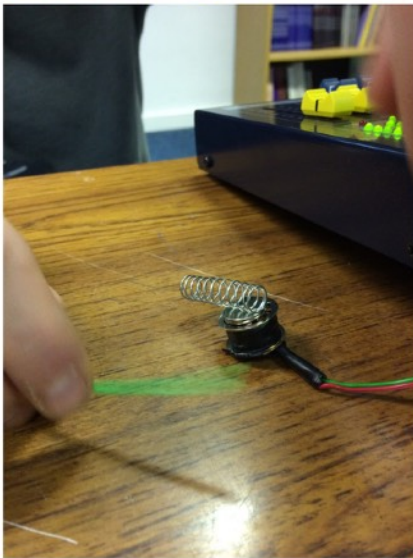
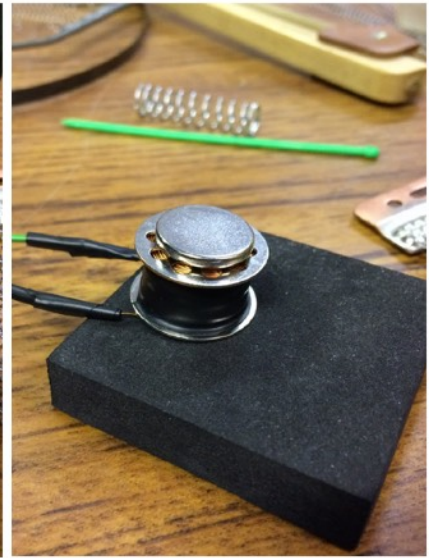
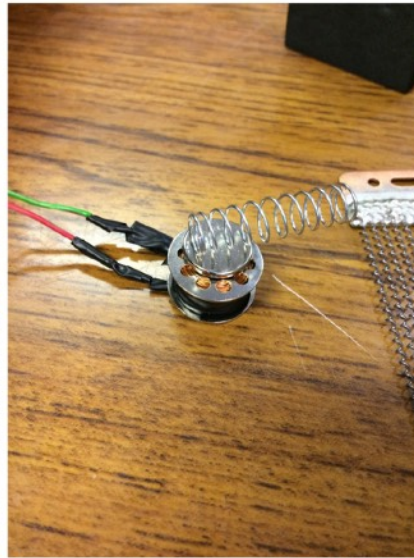
AUDIO : <https://middleeightrecordings.bandcamp.com/track/recycled-pickups-hugo-scurto-bobine>

Workshop “Recycled Pickups” at Le 19, CRAC, Montbéliard, France (January 2018)

ATELIER
RECYCLED
PICKUPS
janvier 2018



Workshop “Recycled Pickups” at Doncaster College, uk (March 2018)



<http://antonmobin.blogspot.fr>
<http://vimeo.com/antonmobin>
<http://soundcloud.com/anton-mobin>
<https://middleeightrecordings.bandcamp.com/>
<http://aporee.org/maps/projects/antonmobin>
<http://h.a.k.free.fr>

antonmobin@hotmail.com
06.99.18.89.64