

Andrew Duff /

University of Sussex /

Senior Teaching Fellow / Digital Media /

(**dabbler...**
professional amateur,
teacher of 'dabblery',
& hoarder of stuff.)

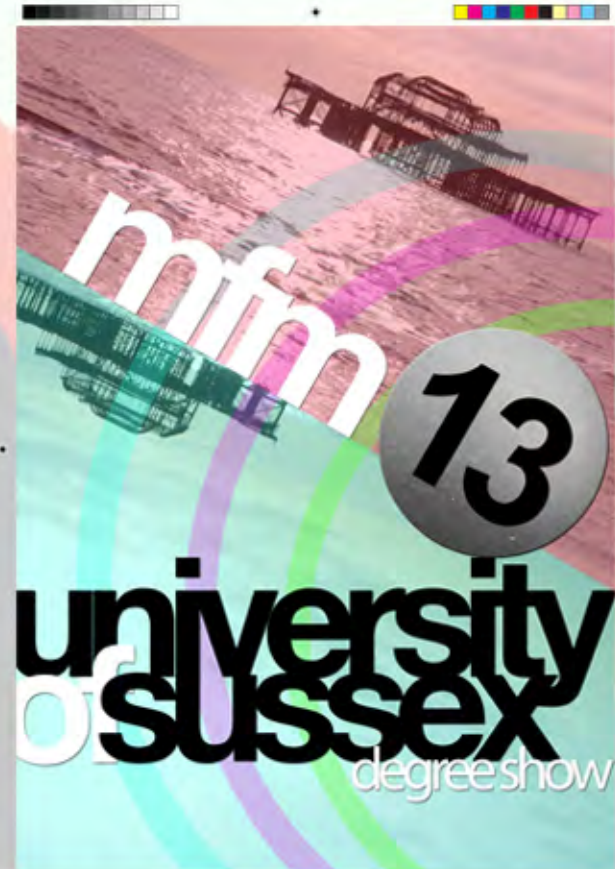
**Hi, this
is where I went
last time I came
to the USA.**





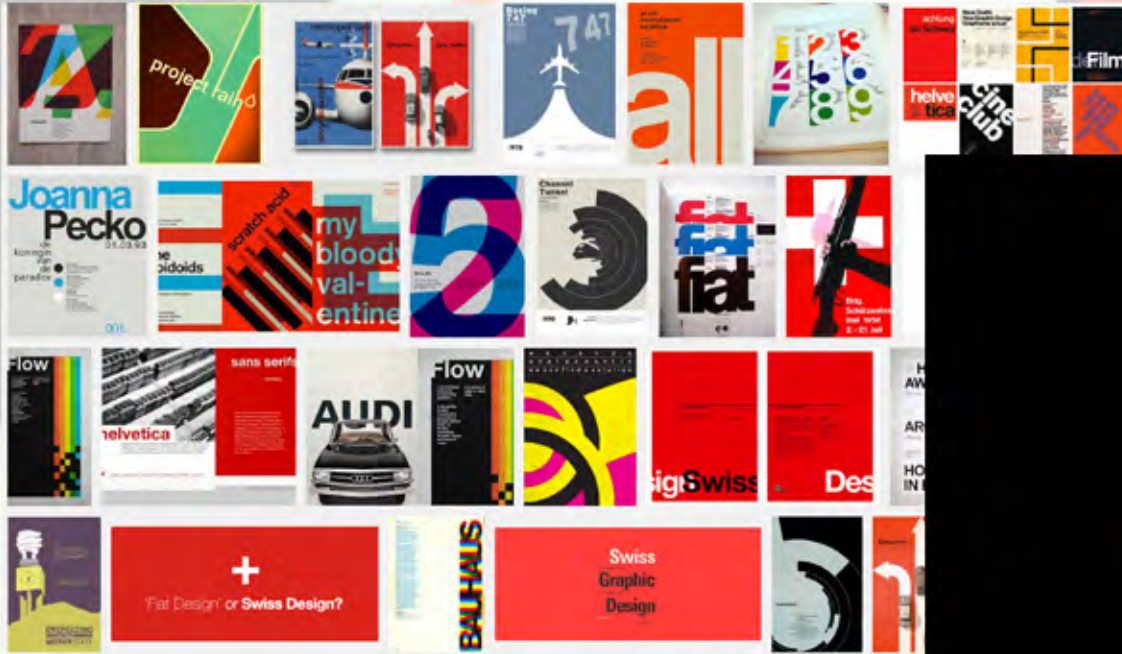
**this is what I
found
down on the
Boardwalk
on Sunday :)**

...some of the teaching I do:



(Information Design)

general concerns:



art

■ helvetica
■ arial

(Helvetica + Swiss design)

...some other teaching I do:

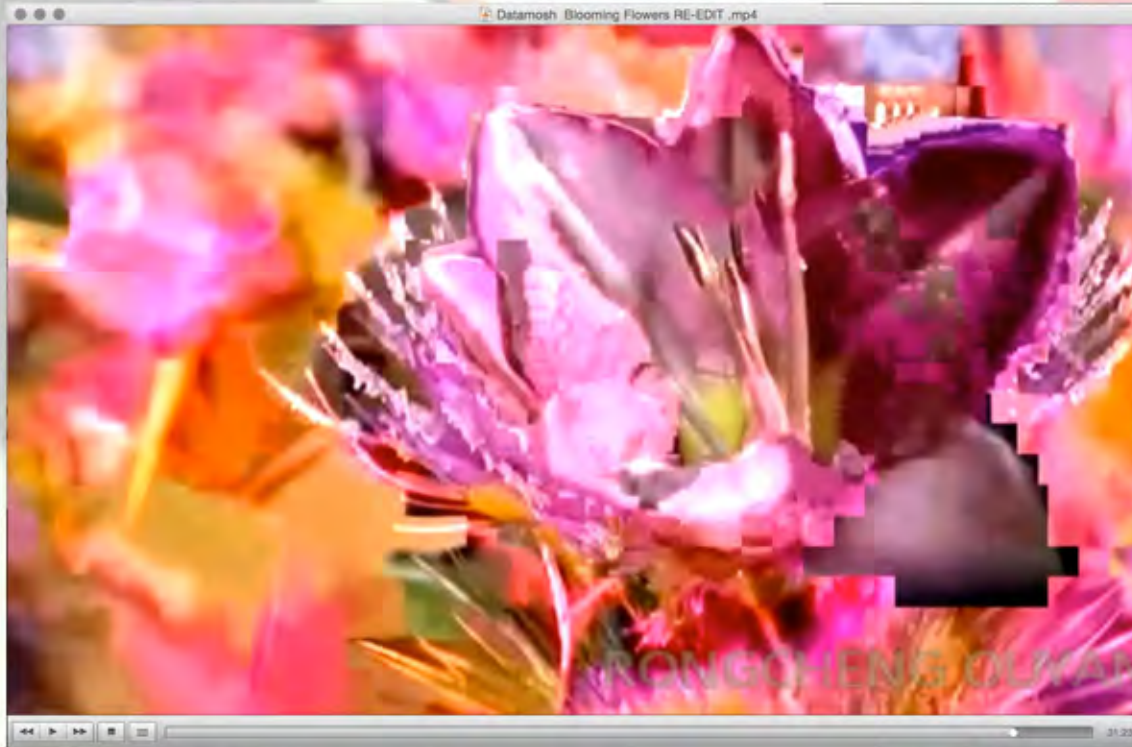
SCHOOL OF MEDIA, FILM AND MUSIC 2014-2015

**Theory and Practice of
Interactive Media**



(Post Graduate: Digital Media)

...some other teaching I do:



(Post Digital/New Aesthetic/Glitch)

...and:

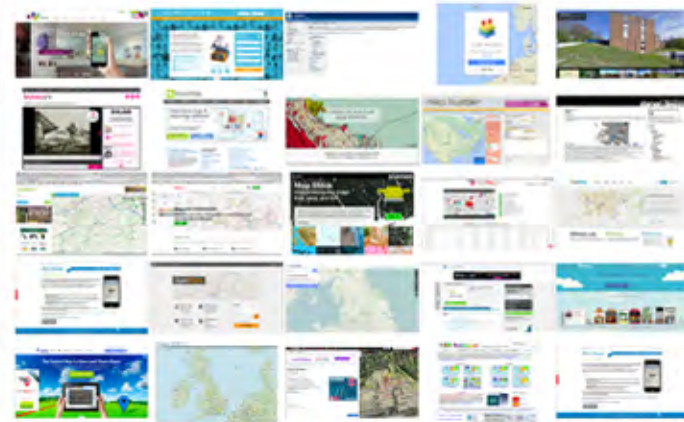
**practice element
from New Developments
in Digital Media
MA core option**

**map a journey
create a data visualisation**

**research & blog about
as many tools as possible**

**explore new ways of
presenting information**

mapping tools:



data visualisation tools:



...and:

**[no idea how apps work,
encouraged diy learning,
helped more with ideas]**

case study #1:

<http://greenkivinokka.blogspot.co.uk/>

[illegible]

75 different online sources

case study #2.1: (stalking)

<http://digitalcuisineinbrighton.blogspot.co.uk/>



me/background:

**Fine Art BA
Old tech
Noise
(& danger)**



me/background:

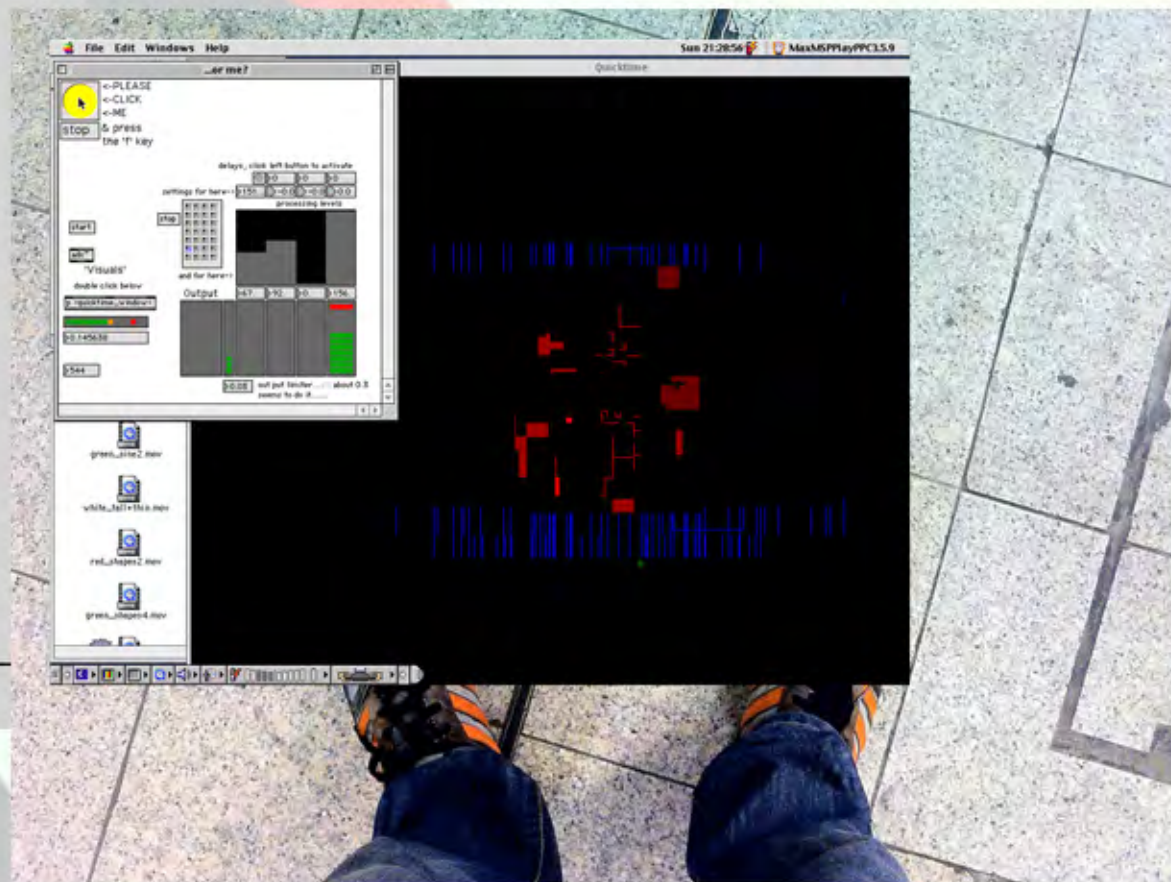
future of music and self-production



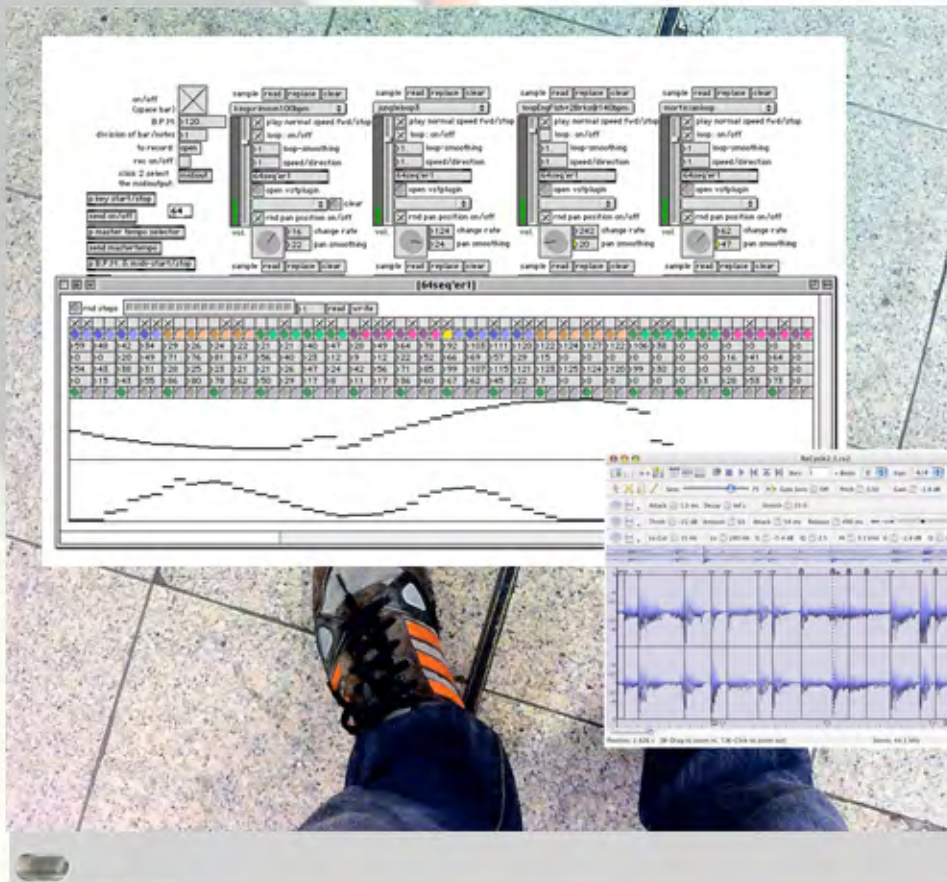
me/background:

ANDREW DUFF

Live Coding Modular Synths



me/background:



me/work with Semiconductor:

Inaudible Cities: Part One

06.42 / 2002

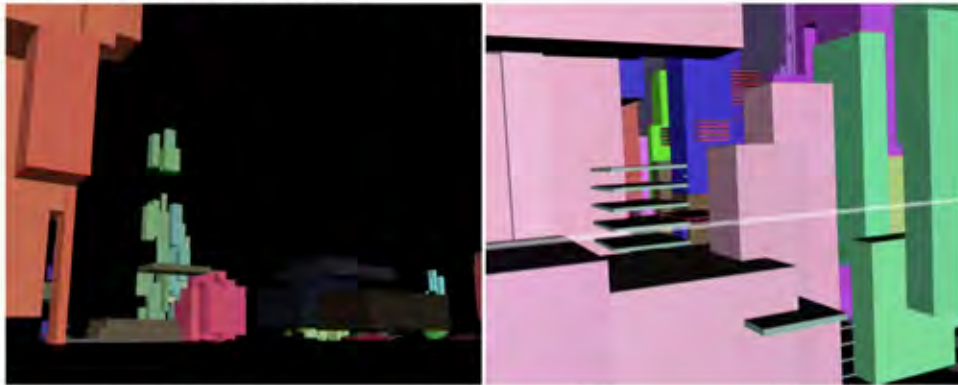
Audio by: Mum ©Fat Cat Records

Semiconductor: Ruth Jarman and Joseph Gerhardt

[back to art works](#)

[launch quicktime extract](#)

This film is available on the [Worlds in Flux](#) DVD



The first in a series of short films where cities are made of and controlled by sound. In this episode, every detail of an urban landscape is built by the sonic pressures of an oncoming electrical storm. The very fabric of this isolated world is made of noises and frequencies that surround a space in another aural dimension. Semiconductor wrote a program which listens to the various patterns of sound and constructs the animated environments.

Thanks to Evelyn Wilson, Matt Tizard and Andrew Duff

Brilliant Noise

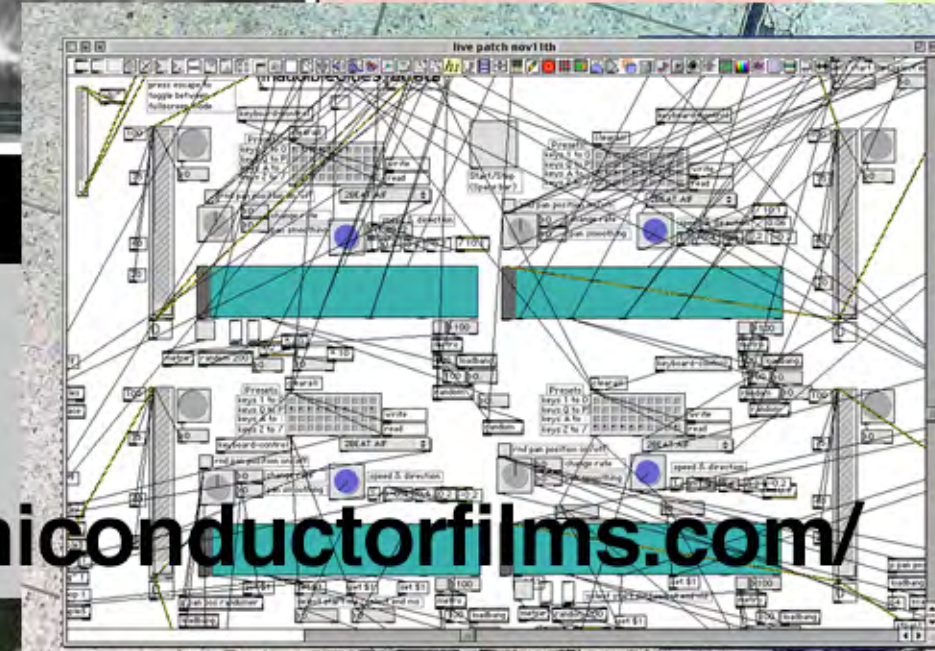
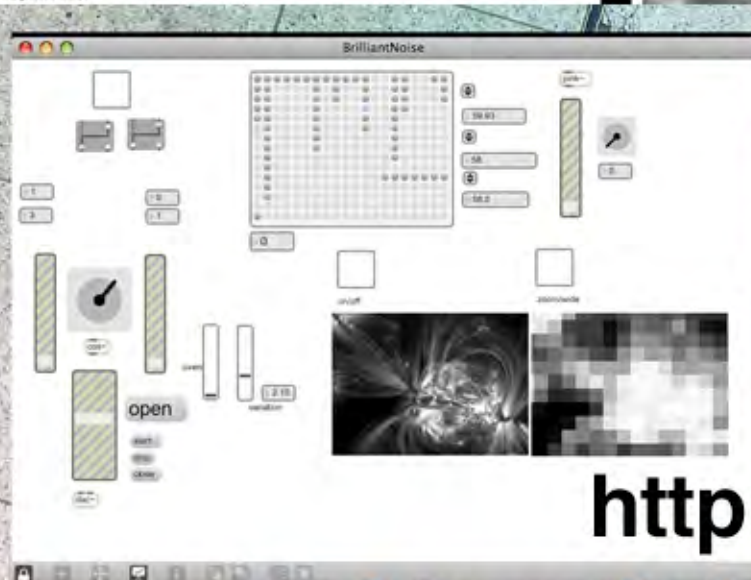
[Home page art works page](#)

single channel version 09:38 mins / single channel DVD version 05:55 mins

4:3

HD limited edition / 3 x 10 screen 5.1 audio versions.

A Semiconductor film by Ruth Jarman and Joe Gerhardt made at the NASA Space Sciences Laboratory, UC Berkeley, California, USA, 2006



<http://semiconductorfilms.com/>

me/my own music stuff:

ANDREW DUFF

Live Coding Modular Synths

I found I kept
software & hardware
apart from each other.

ANDREW DUFF

Live Coding Modular Synths



me/my own music stuff:

ANDREW DUFF

Live Coding Modular Synths



(image: <http://www.nytimes.com/2014/01/21/your-money/the-trap-of-too-many-choices.html>)

ANDREW DUFF

Live Coding Modular Synths

Too many chances of
things not working.
Meanwhile my synths
gathered dust...

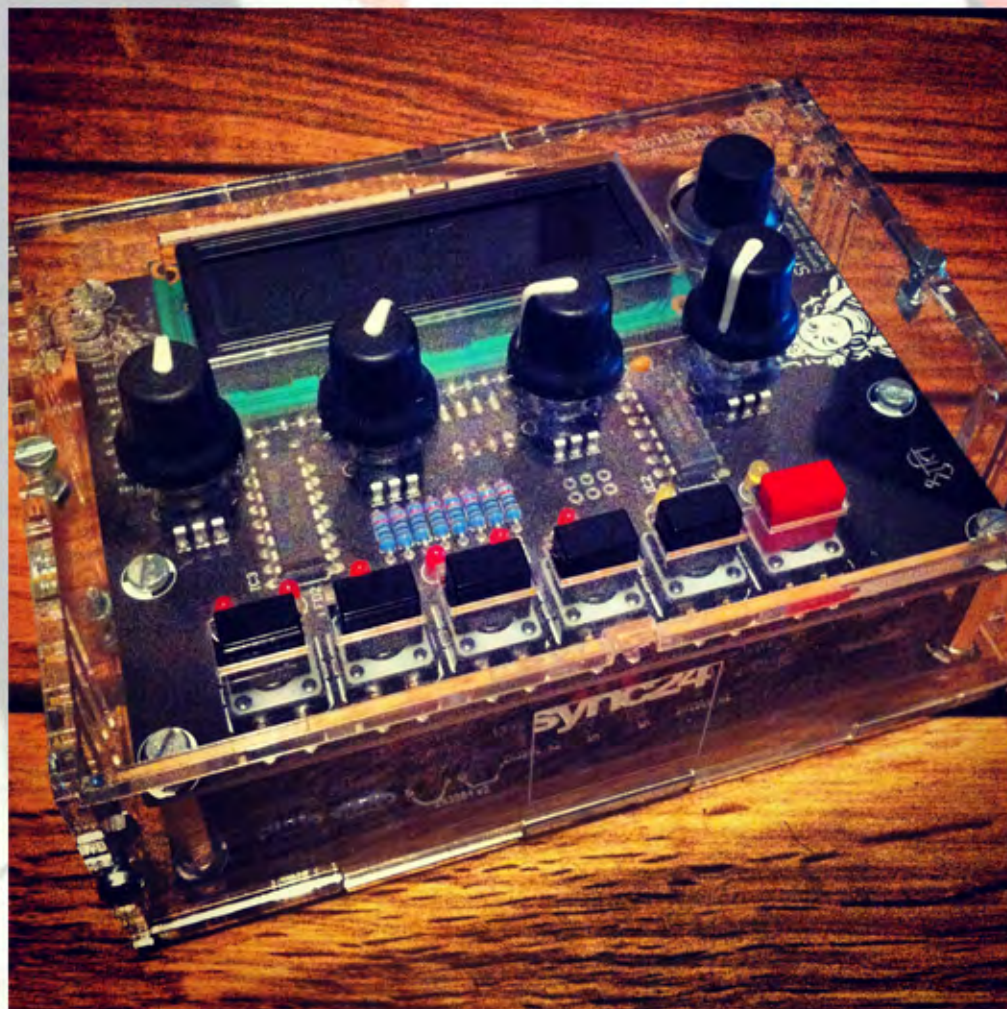
me/so I started building stuff:



me/(hipster-matic...):



me/building more stuff:

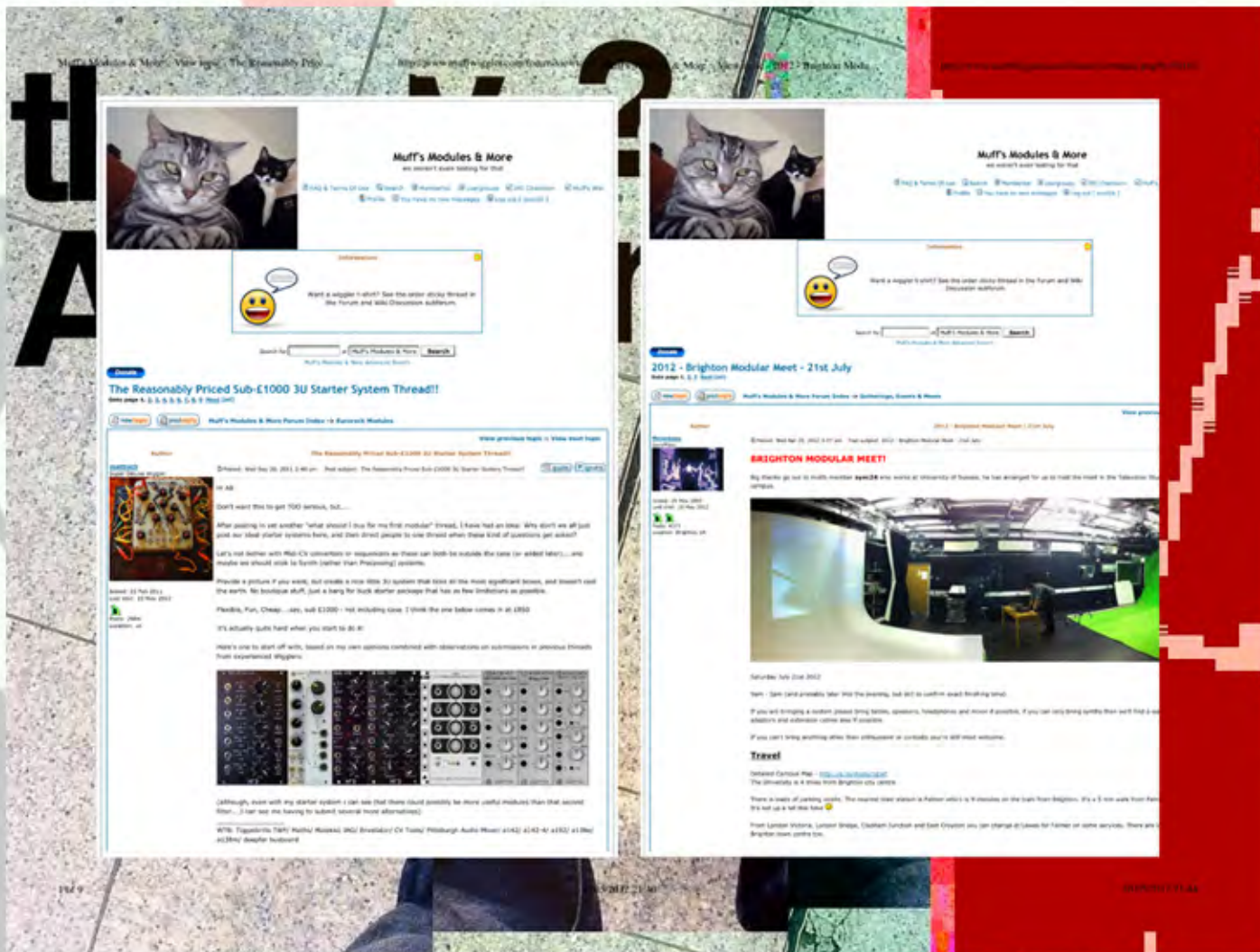


me/modular:

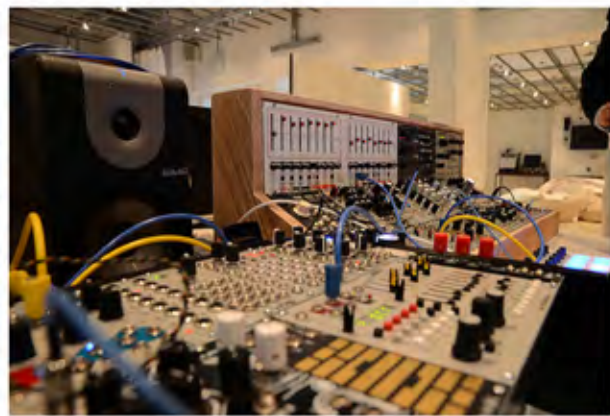
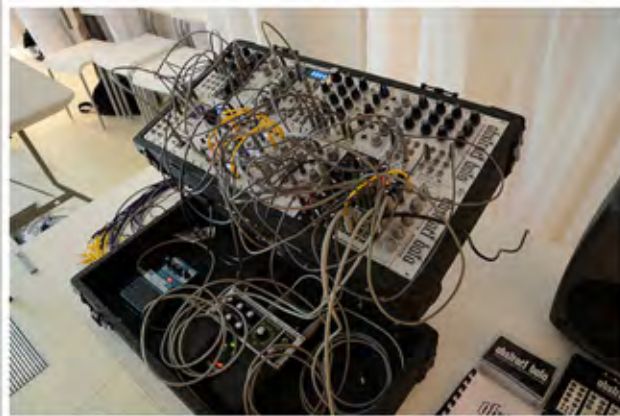
ANDREW DUFF

Live Coding Modular Synths

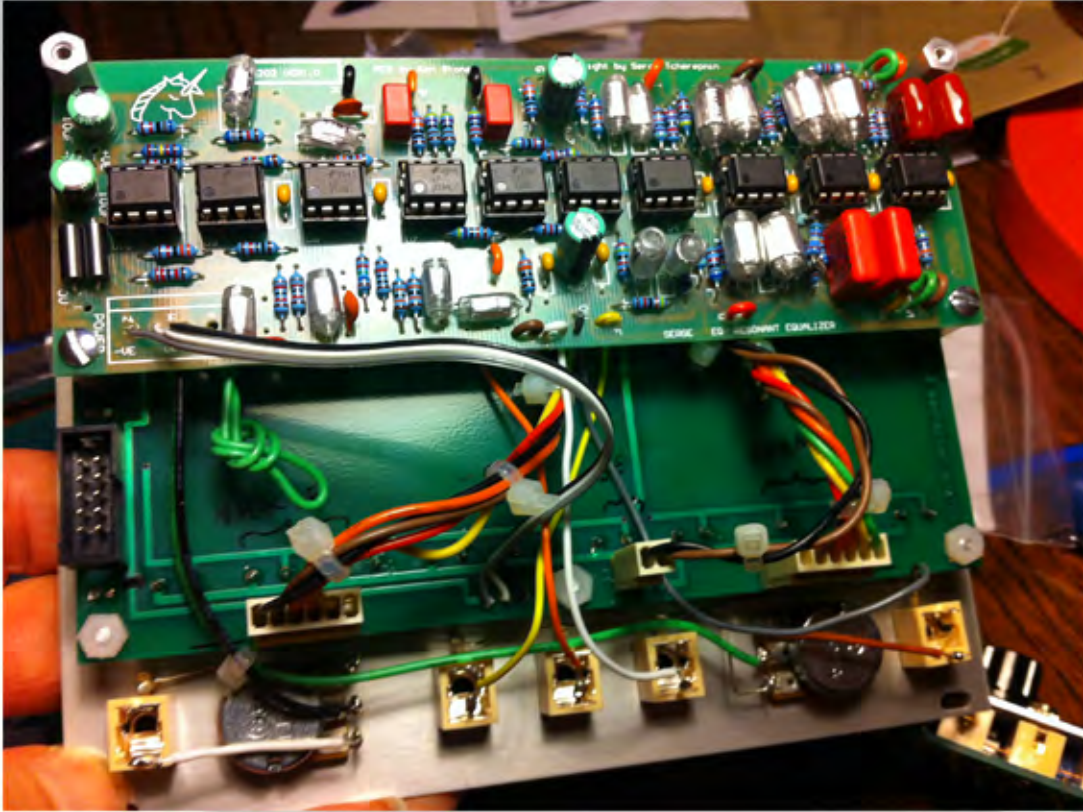
...but then I discovered
cheap(ish) modular gear.



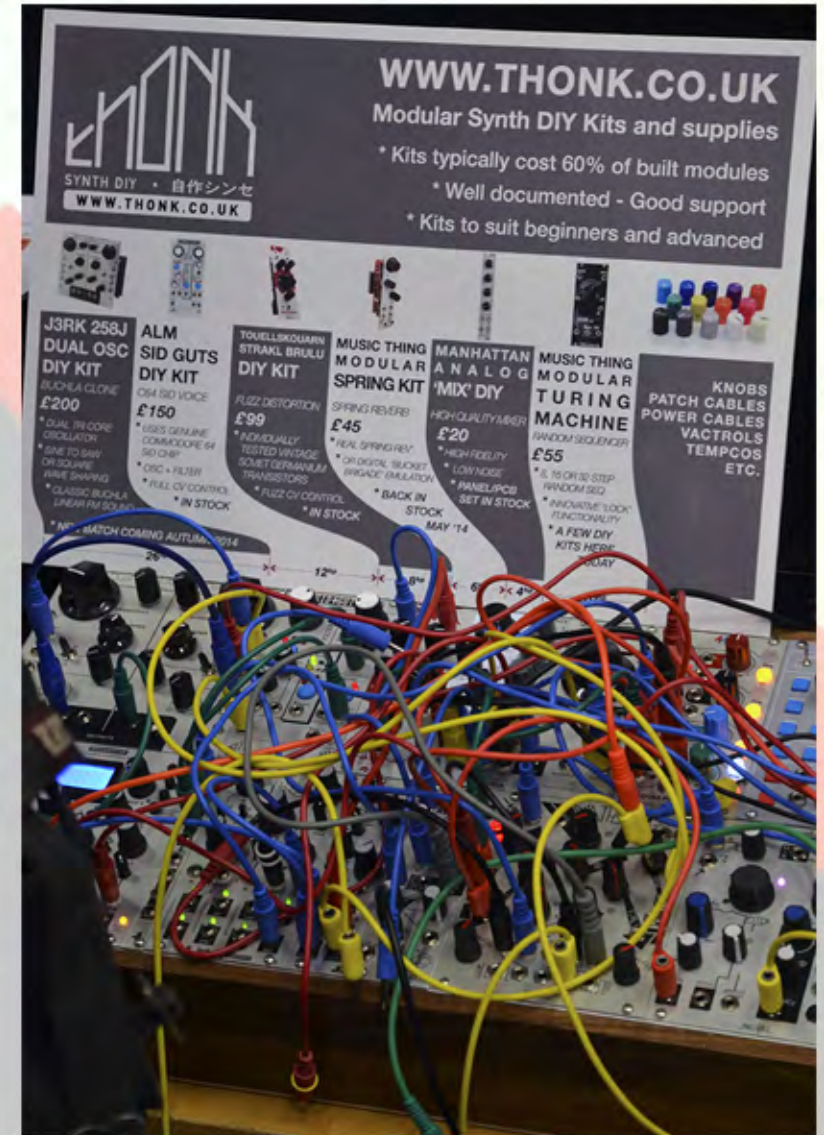
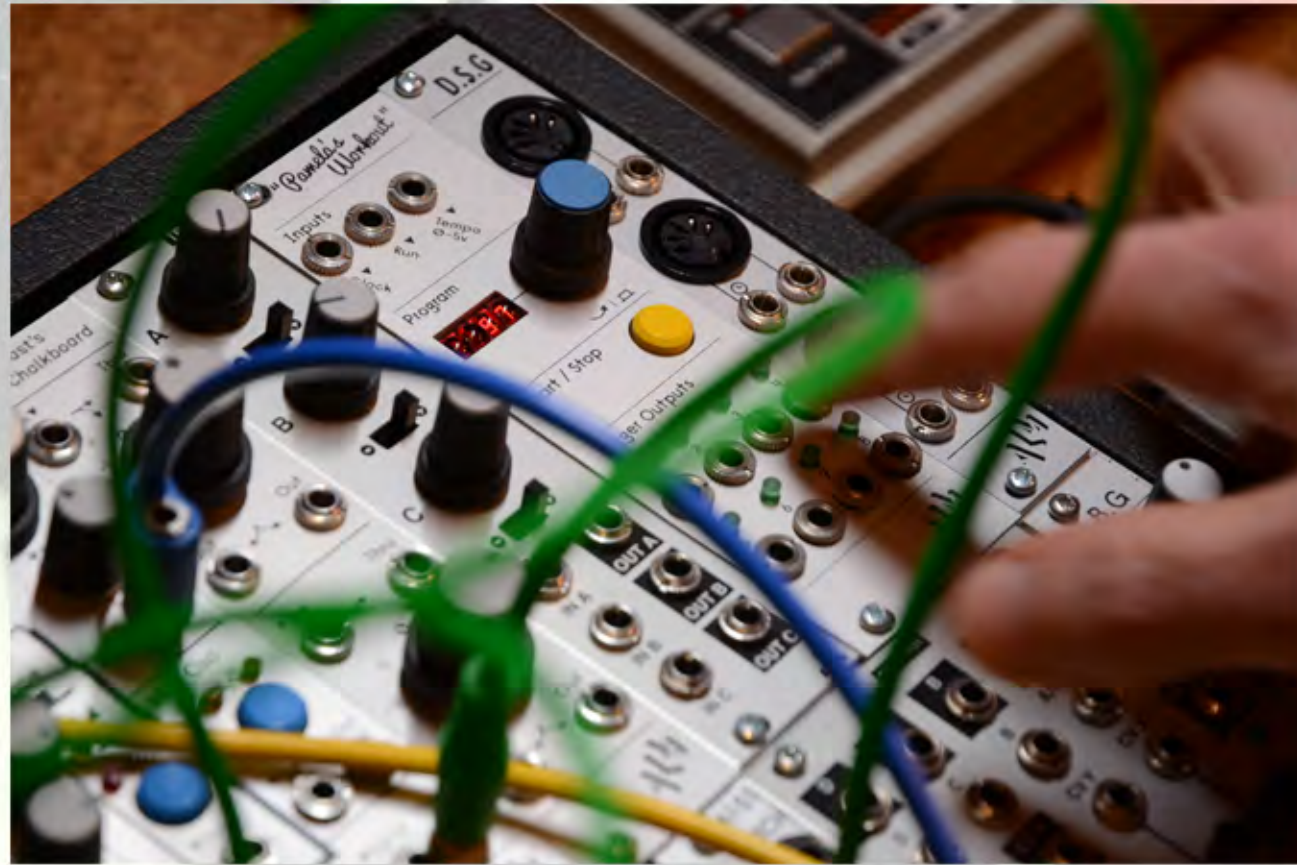
me/modular:



me/modular DIY:



me/modular meets:



me/modular+capital [reading]:

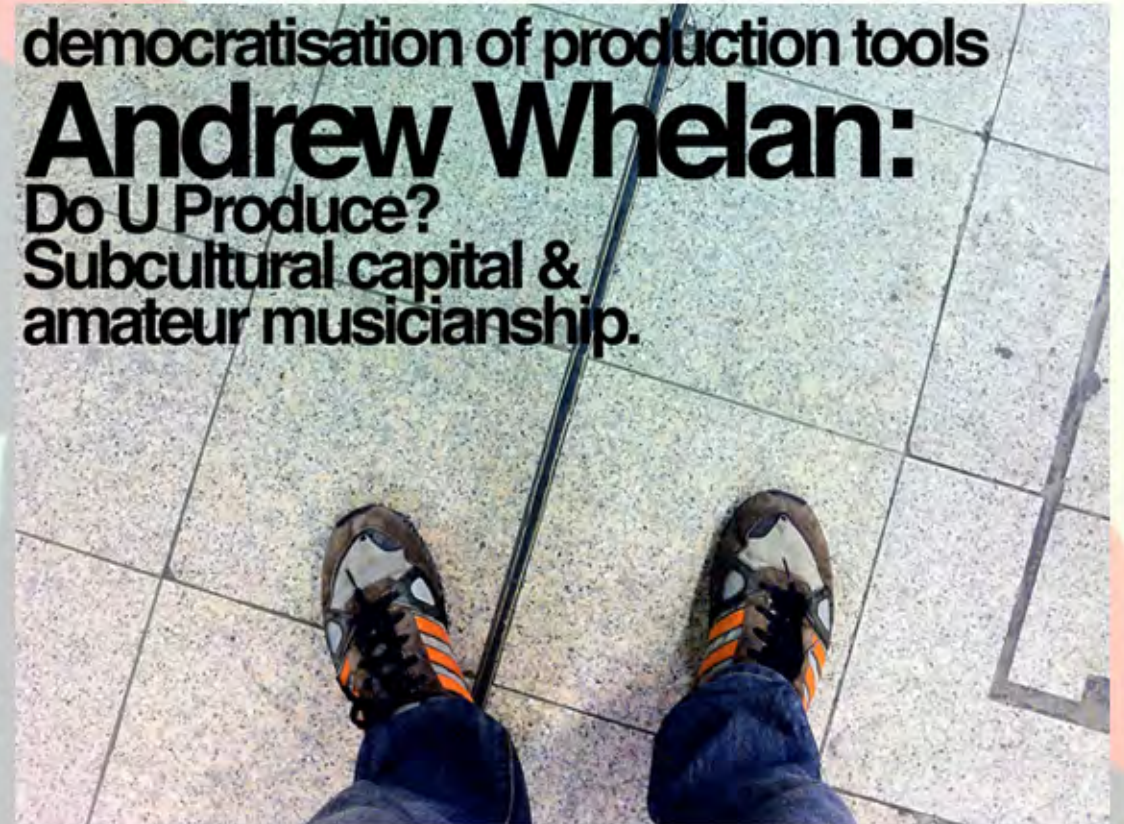
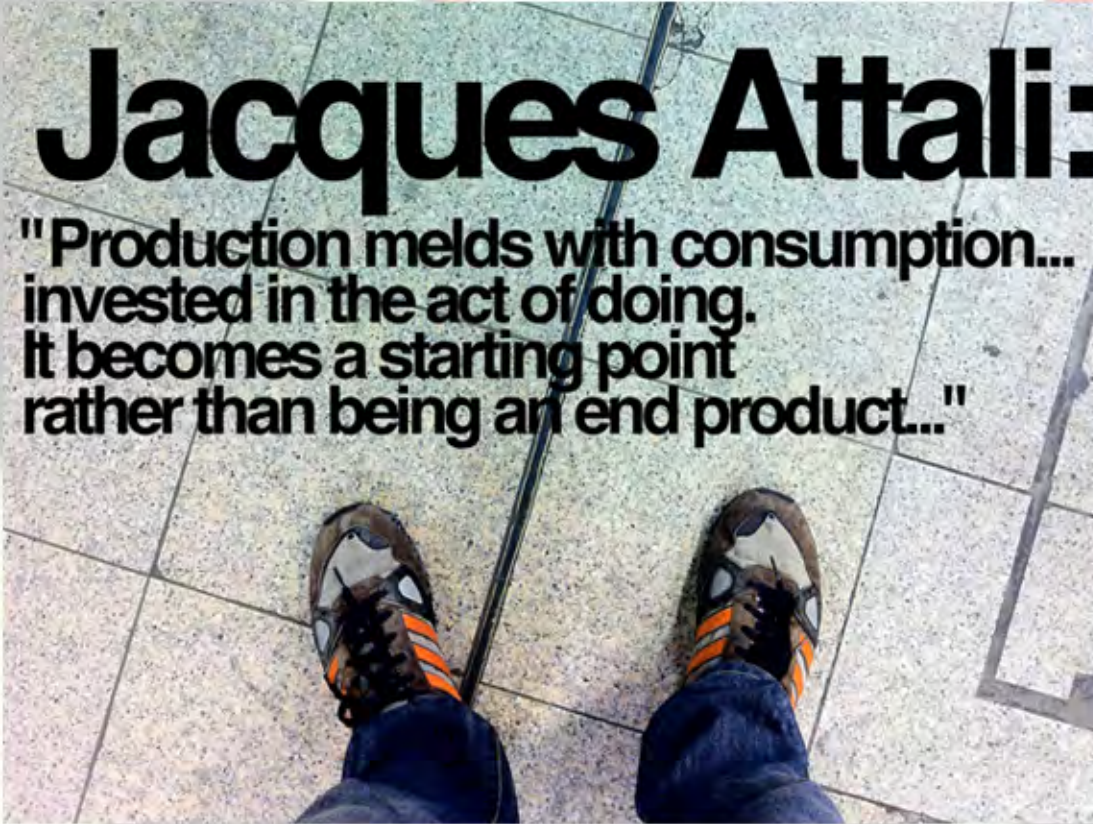
Jacques Attali:

"Production melds with consumption...
invested in the act of doing.
It becomes a starting point
rather than being an end product..."

democratisation of production tools

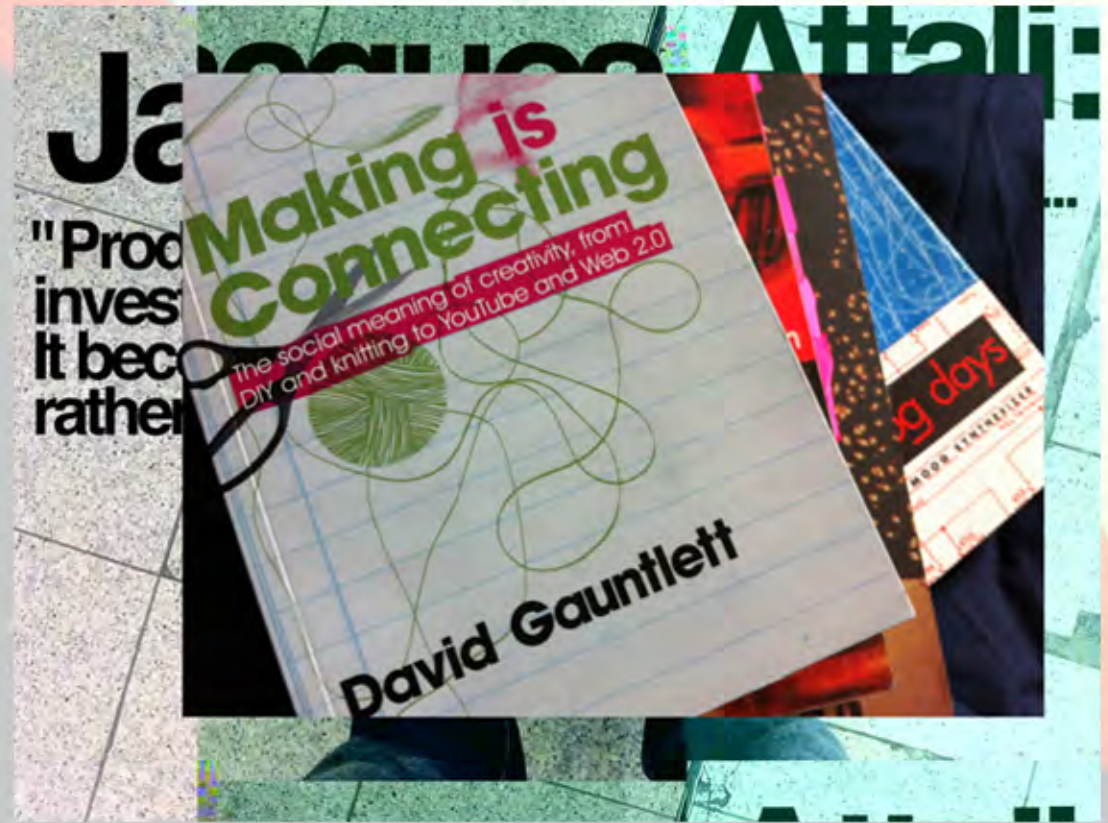
Andrew Whelan:

Do U Produce?
Subcultural capital &
amateur musicianship.



me/modular+capital [reading++!]:

**d.i.y.
amateur
producer
communities**
small



(as well as reading about democratisation of production tools...)

me/modular+conference:

SINES & SQUARES FESTIVAL 2014

MANCHESTER,
UK!

Synths & Social Capital

Andrew Duff (University of Sussex / Brighton Modular Meet)

me/modular+conference:



Axel Bruns
2007

**social capital is not necessarily
'owned' by the individual but in-
stead arises as a resource that is
available to them.**

me/modular+conference:

within a community of communities

social capital

is built on trust & altruism.



this all
links back
to my
teaching
and DIY-
learning
approach.

**me/...and here's some slides from
another talk I gave:**

my tactic:

**become an expert
at finding expertise**

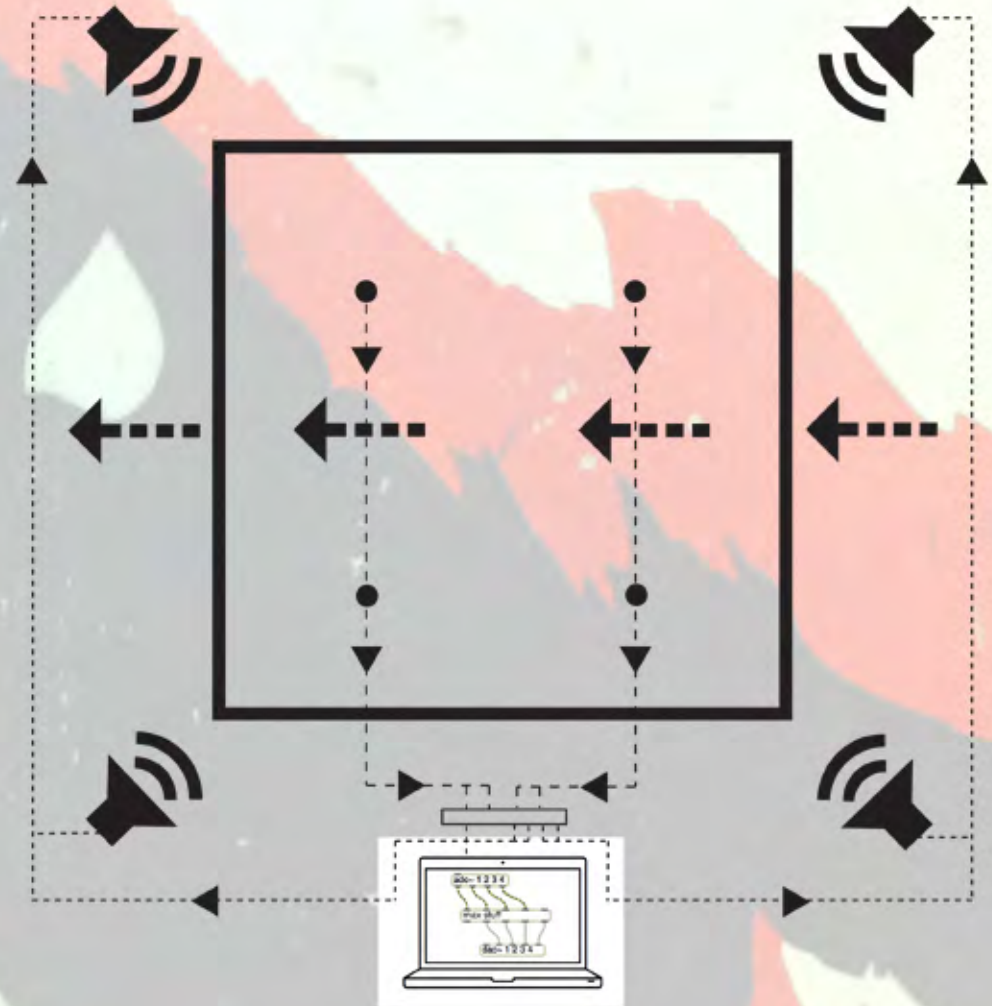
online, don't forget!

**give something back
to the other experts**

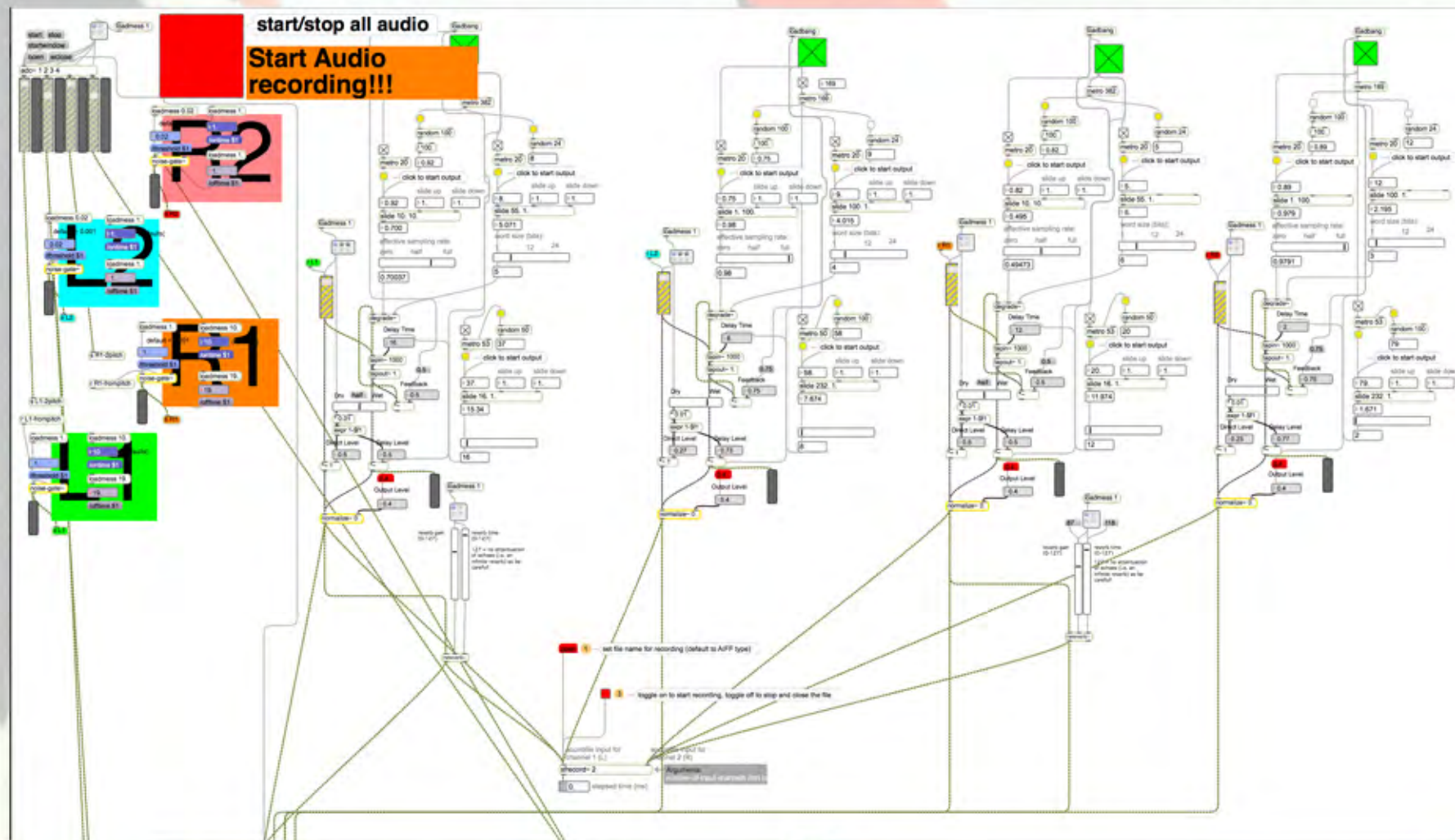
me/& Cecile projects #1:



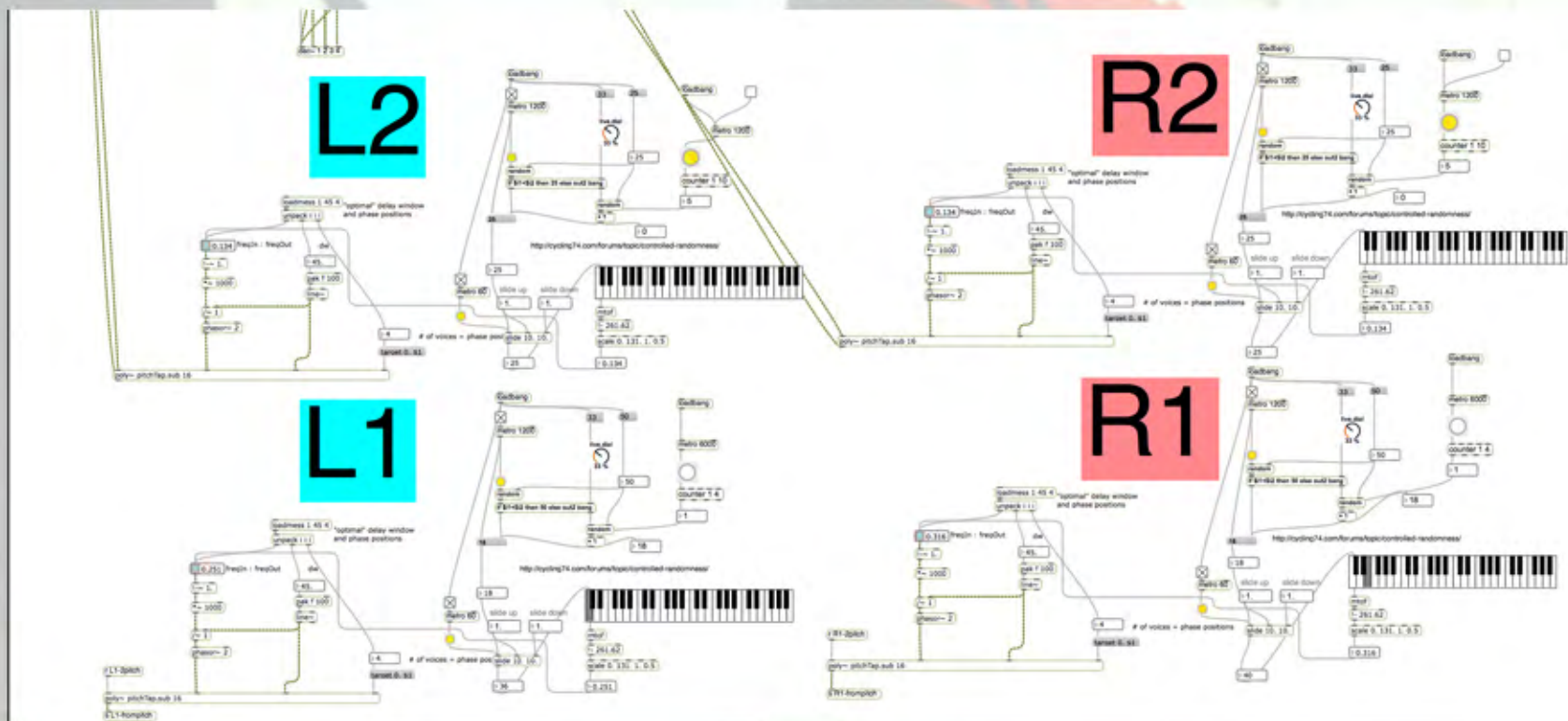
me/& Cecile projects #2:



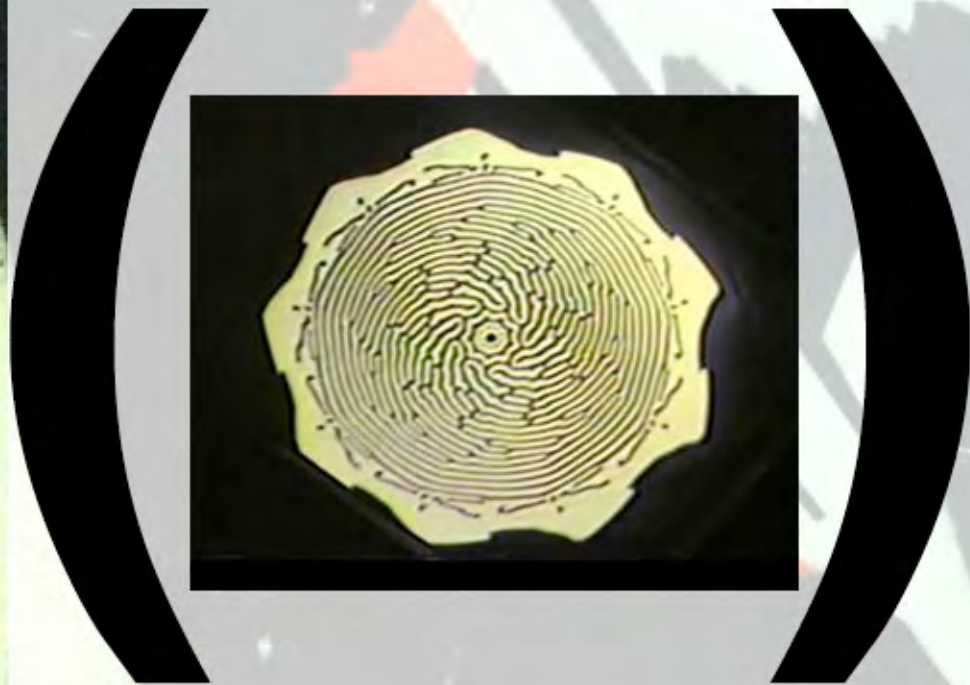
me/& Cecile projects #2.1 (patch):



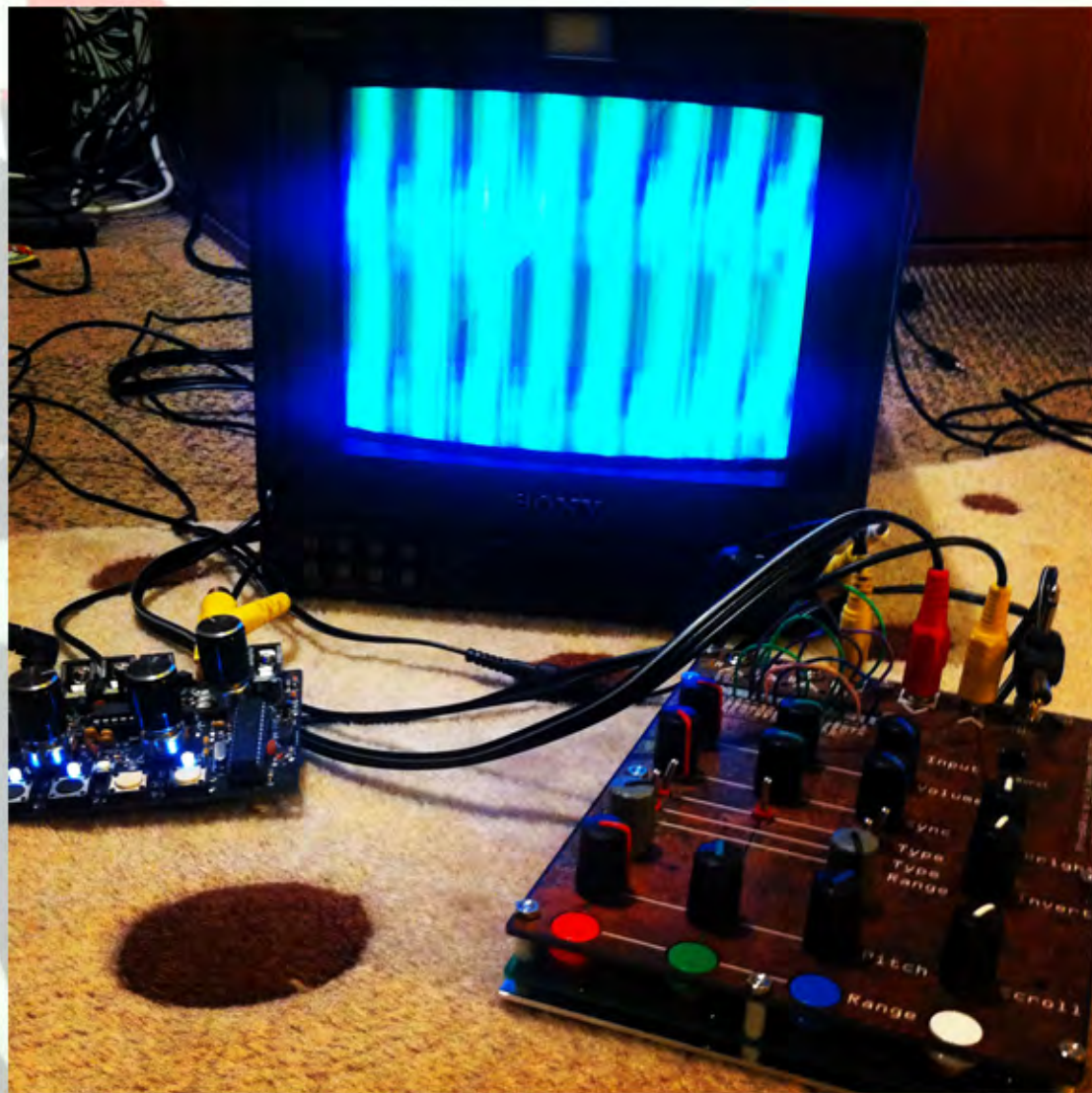
me/& Cecile projects #2.1 (patch):



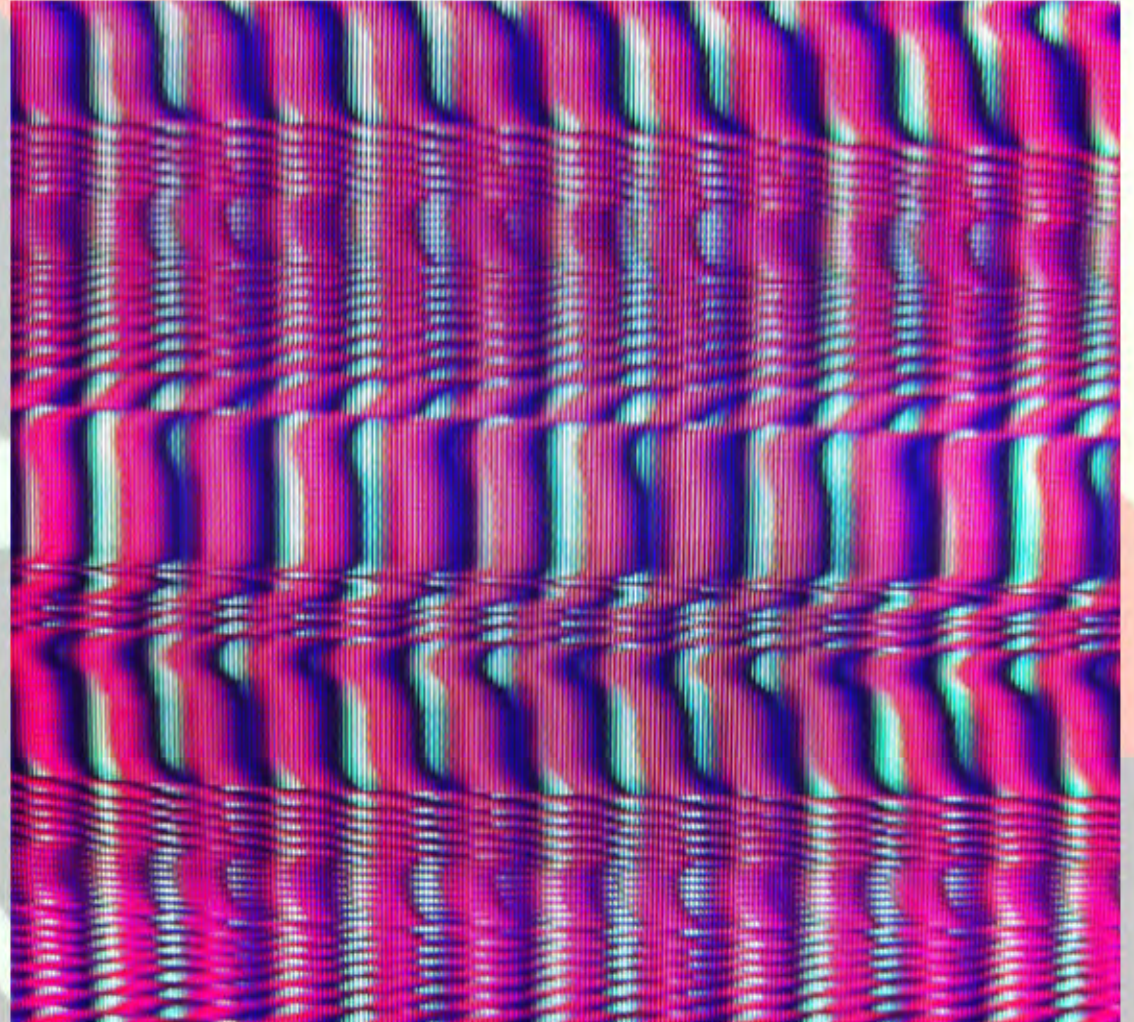
me/video #1:



feedback



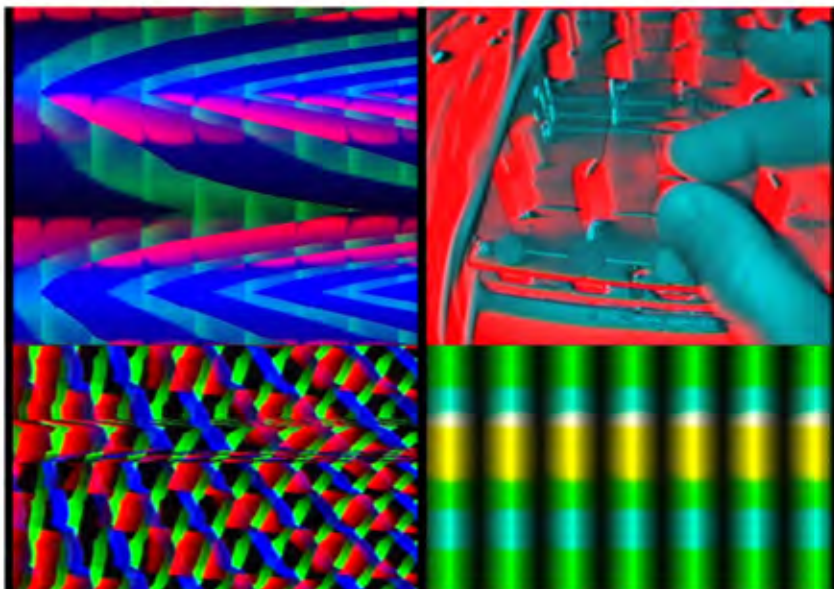
me/video #1:



me/video #1:

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3TRINSRGB+1C



I ALSO SELL STUFF.
YOU CAN CONTACT ME HERE.

3TRINSRGB+1C
BEELDBUIS VLAG
VOICE-REC-1
EURORACK
OSCILLATORSCOPE1
POLYCARBONATE-RECORDER
VOICE-REC-2
NO-DRUMS
ROT
RAIL BUZZER
SCHELE MIXER
VCOFAN
CIRCUIT BENDING TESTS
KAWAI MS20
ANALOG HD
TVSCV
DEP-2
GVP 1
GVS 1
CASIO SK-1 (B)
GVM 1
CASIO CT-660
TIME BASE FORCER
KRAMER FC-400
CAPPUCCINO SYNTH
DEP-1
HARD SOFT SYNTH 3
WAVETABLE RADAR

Gijs Gieskes - <http://gieskes.nl/>

me/video #1:



Gijs Gieskes - <http://gieskes.nl/>

me/video #2 - The Vectrex:

Vectrex Monitor Modification

[Goto page 1, 2, 3, 4, 5](#) [Max \(40\)](#)

[new topic](#) [post reply](#) [NUFF WIGGLER Forum Index](#) -> [Video Synthesis](#)

Author

Vectrex Monitor Modification

lizarsen
Super Deluxe Wiggler

Posted: Sun Oct 14, 2012 3:33 am Post subject: Vectrex Monitor Modification

I've had a fun project this week. I got a Vectrex console in the mail, disconnected its XYZ driver board from its CPU, and wired those XYZ inputs to external BNCs on the bar vector rescan setup.

It's a really beautiful monitor, a very different aesthetic quality from the scopes and XY displays I've used before. It's based on a modified B&W television tube, rather than

It's not fast enough for image rescanning (the horizontal sawtooth folds over.)

It may be able to be optimized further (I have schematics) but I may just leave it like it is.

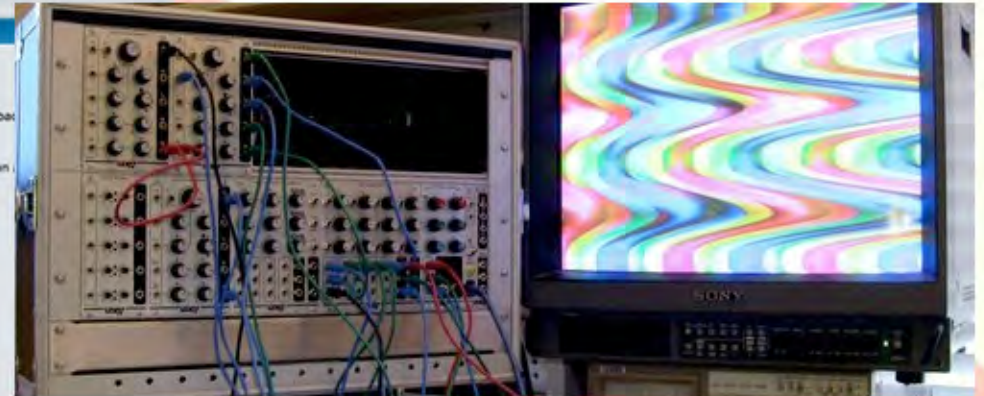
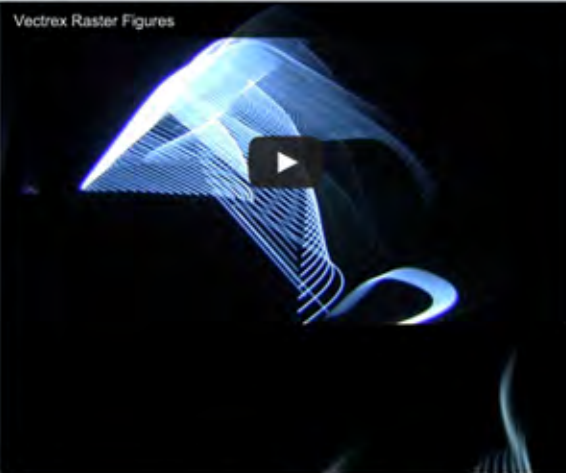
This is a fun project if y'all wanna try it!

Joined: 13 Jan 2010
Last Visit: 29 Nov 2014



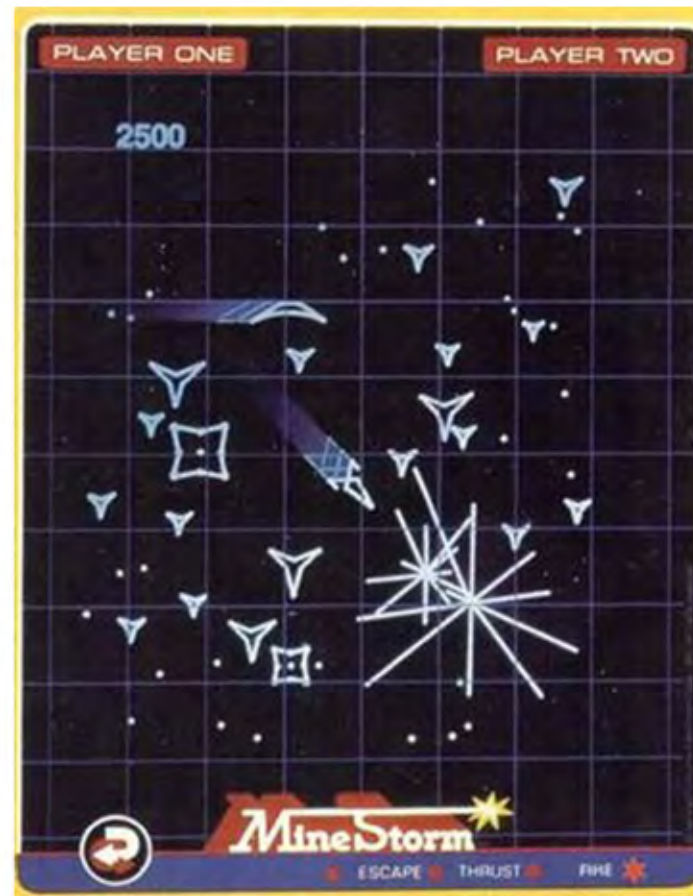
Location: Denton, TX

Vectrex Raster Figures

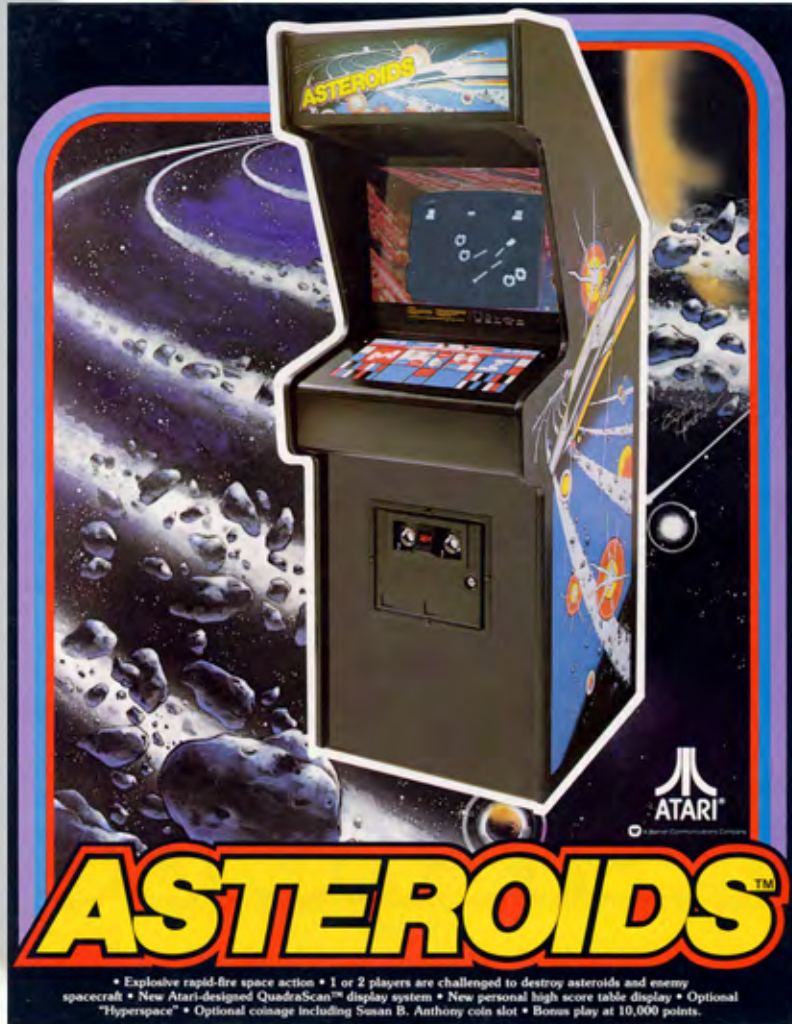
The logo for LZX Industries, featuring the letters "LZX" in a bold, stylized font, with "INDUSTRIES" written below it. To the right of the text is a large yellow hexagon.

<http://www.lzxindustries.net>

me/video #2 - The Vectrex:

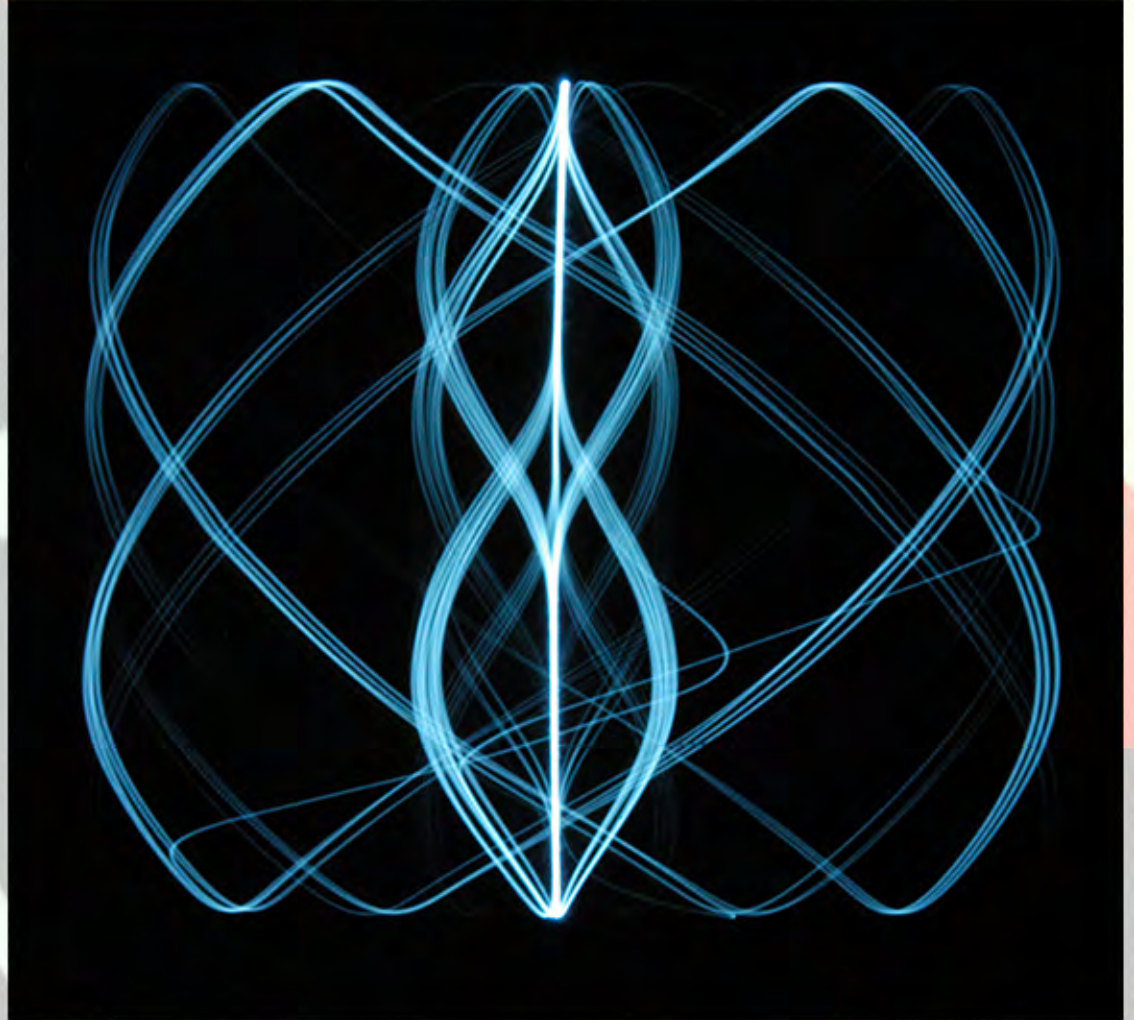


me/video #2 - The Vectrex:



} a domestic/
console
version of
Asteroids

me/video #2 - The Vectrex:



me/video #2 - The Vectrex:

Vectrex
minijack-input mod

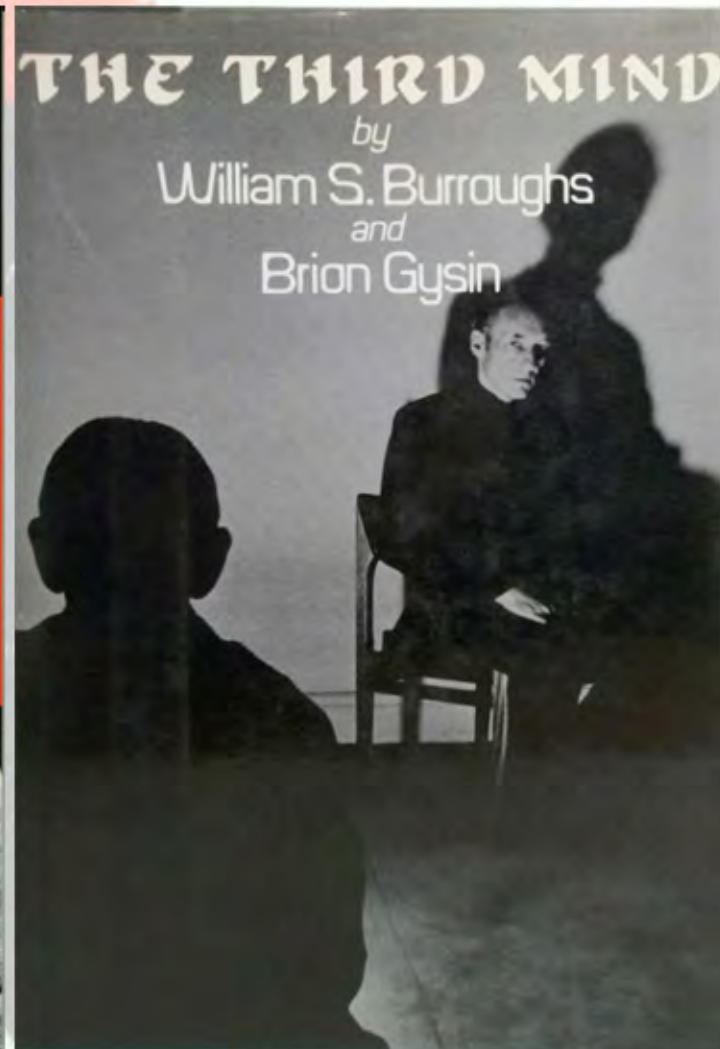
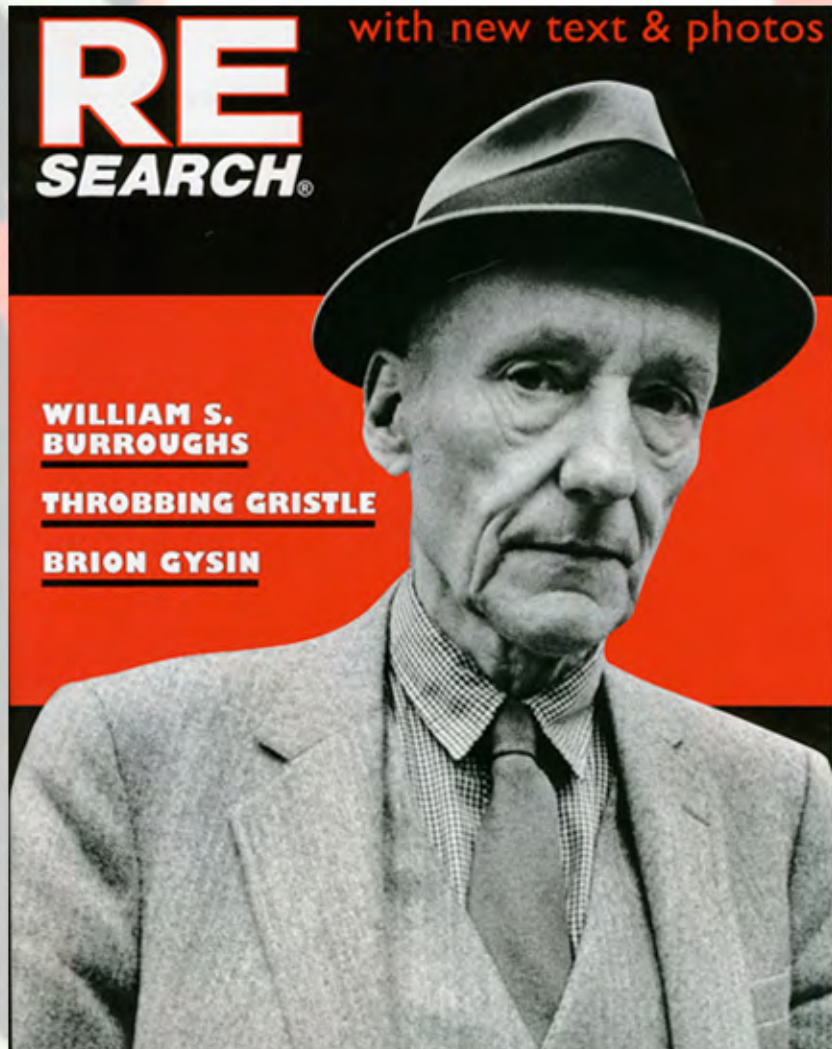


Disclaimer: I take no responsibility for any damage to the Vectrex or your own person, whilst performing this modification.
This unit can contain dangerous/heart-stopping amounts of electricity.
BEFORE EMBARKING ON THIS MODIFICATION, ENSURE THE VECTREX UNIT IS DISCONNECTED FROM ANY POWER SOURCE!



shared stuff
online got lots
of great feedback
& questions...
so I made a
document to
help people do
the mod.

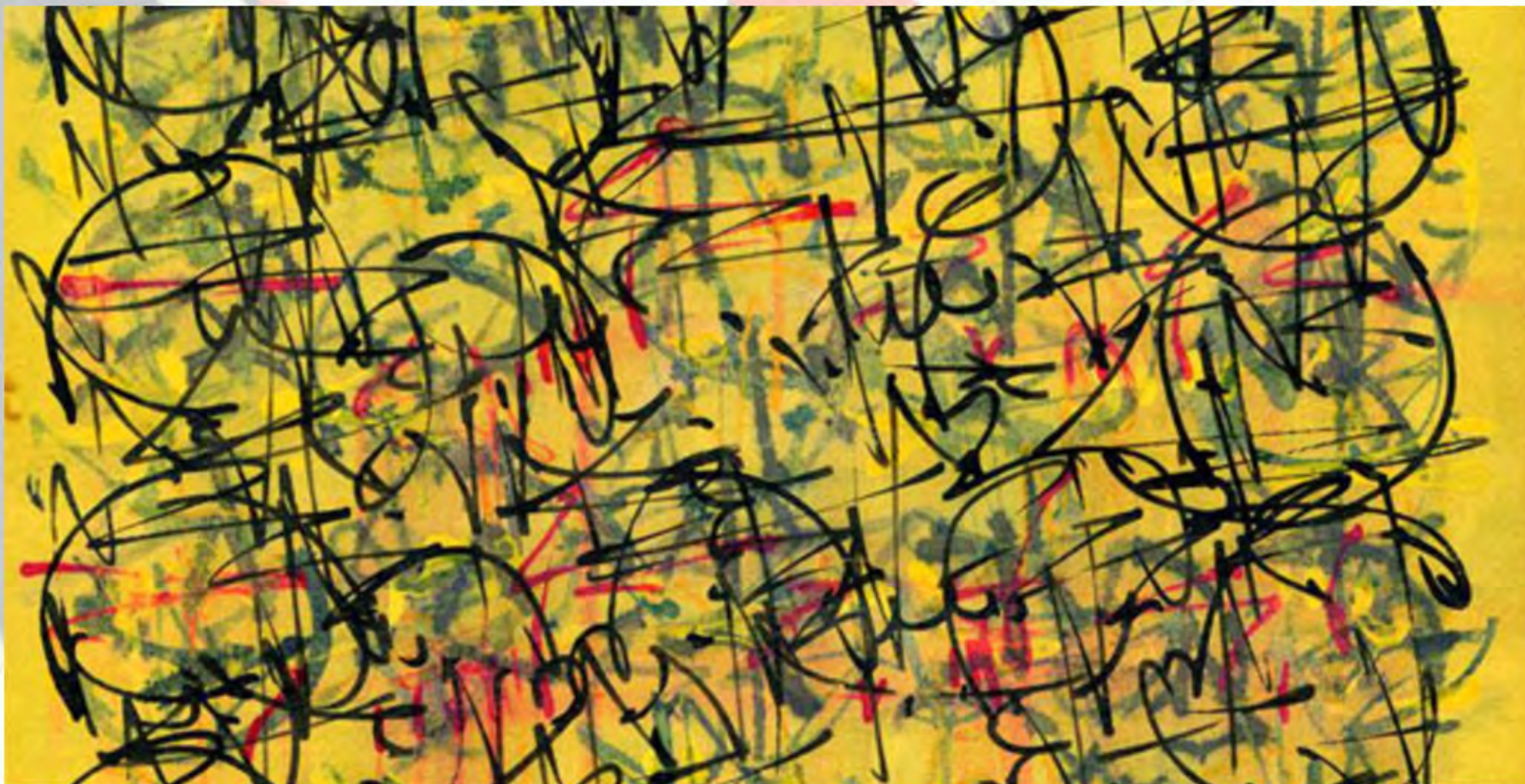
me/influences:



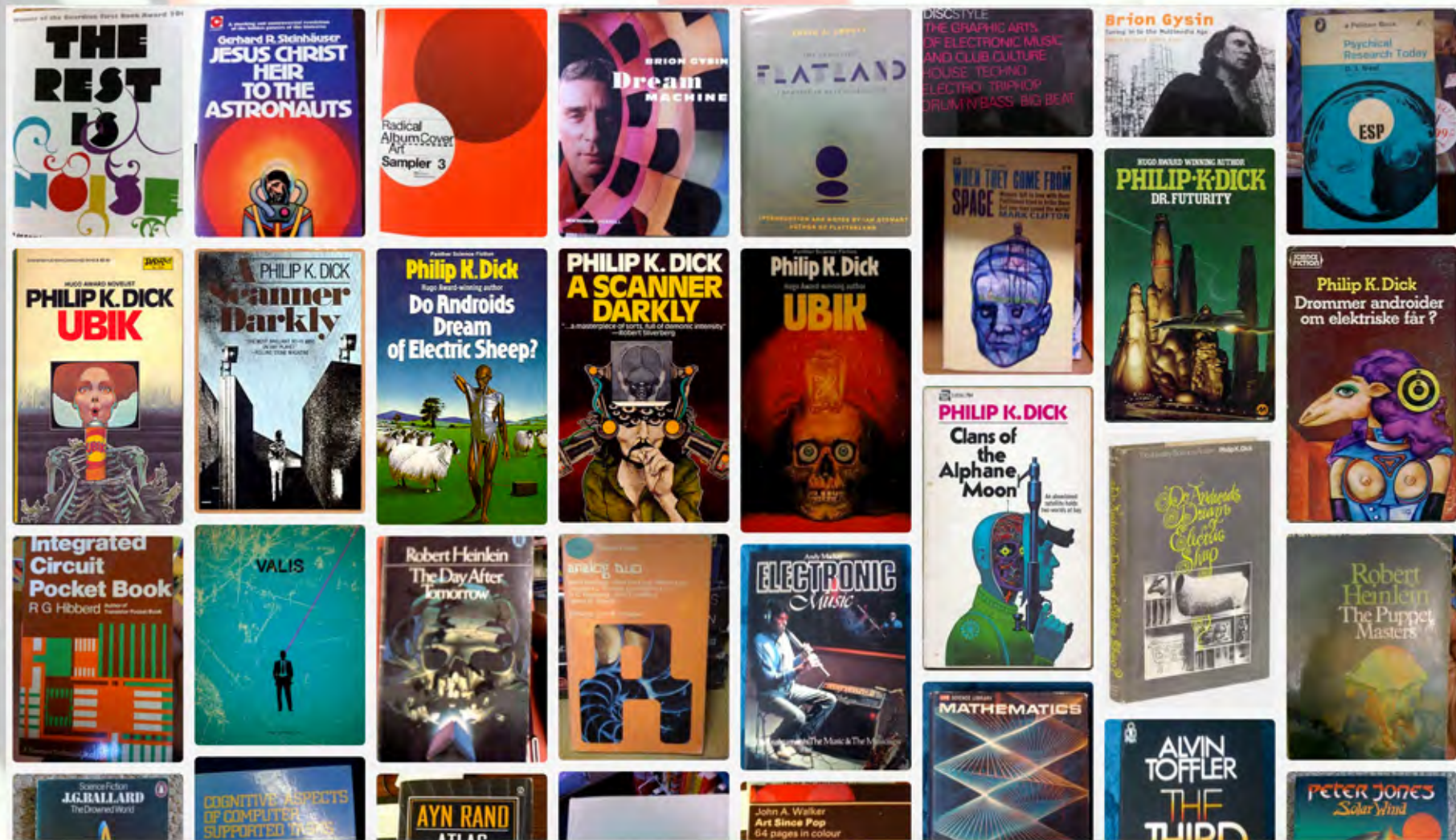
me/influences:



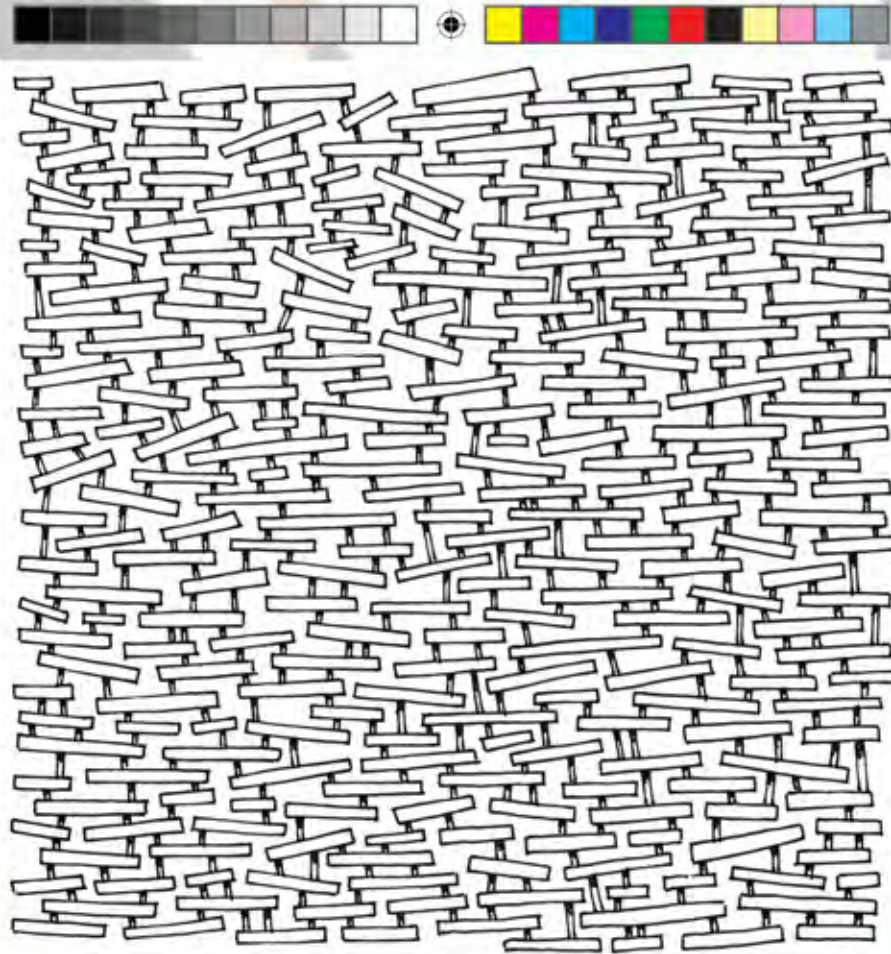
me/influences:



me/influences:

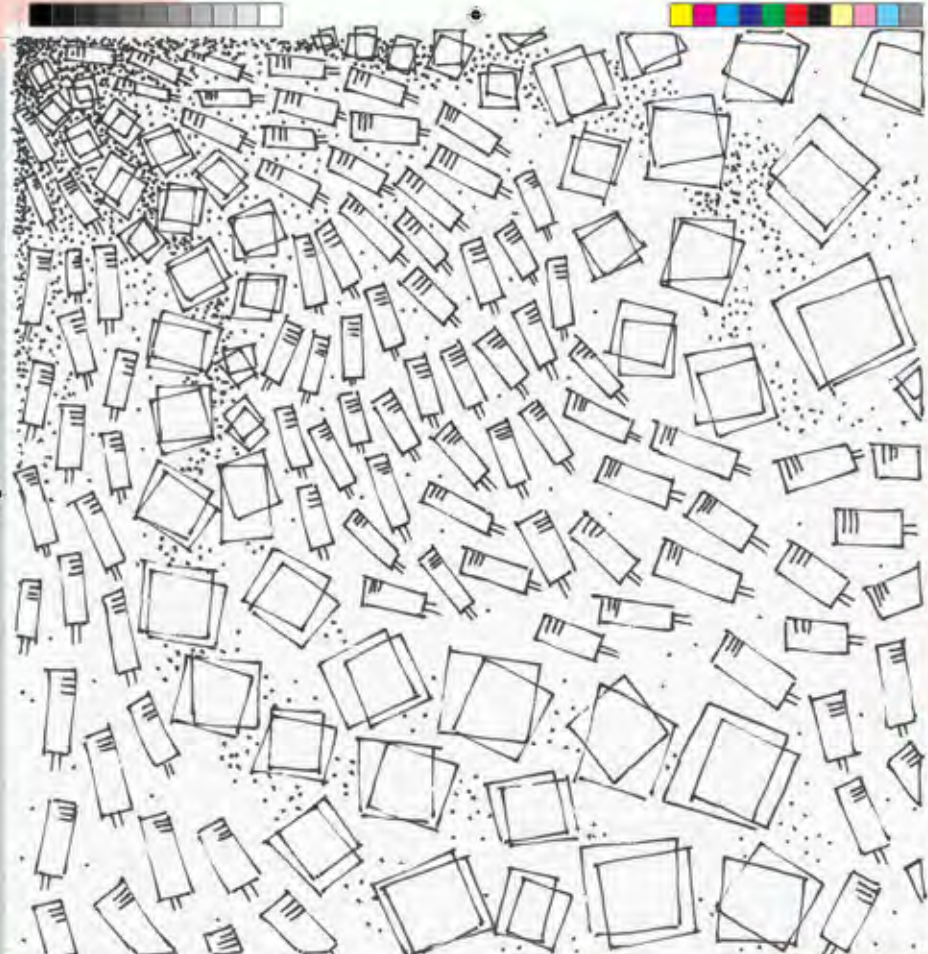


me/Glass Reservoir:



donkey.indd 1

21/03/2013 22:51



donkey.indd 1

21/03/2013 22:51

me/current set-up:



me/next steps:



} old school
video art

me/next steps:



**} modding
& glitching
old video
processor**



<http://www.karlklomp.nl>

links & stuff #1:

Peder Norrby (iOS map glitches)

<http://semiconductorfilms.com/>

<http://www.muffwiggler.com/forum/index.php>

<http://www.tinyurl.com/brightonmodularmeet>

<http://gieskes.nl>

<http://lzxindustries.net>

Vectrex mod - email me: a.duff@sussex.ac.uk

<http://tinyurl.com/vectrexgraphics>

<http://glassreservoir.com/>

<http://www.karlklomp.nl>

me/finished:

thanks :)

a.duff@sussex.ac.uk

@allthesixes666 (i don't twit much)
instagram.com/allthesixes666