POWER OF READILY AVAILABLE ZERO-COST COMPUTERS OVER TIME

1997 1998 1999 2000 2001 2002 2003 2004 2005

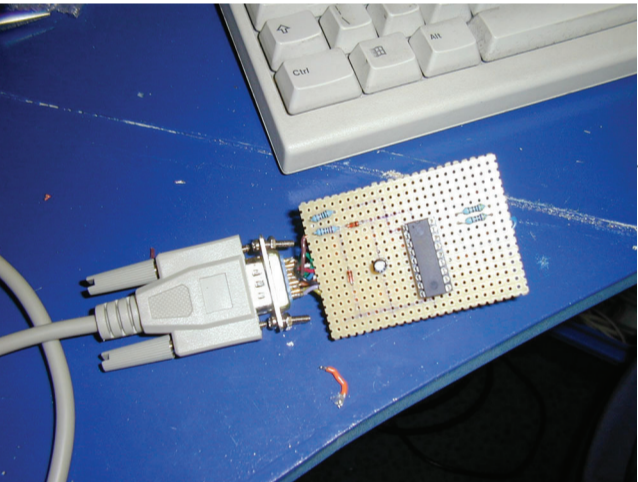| mhz	CPU
1000	P3
866	P3
667	P3
500	P3
450	P3
400	P2
350	P2
333	P2
300	P2
266	P1
233	P2
200	P1
166	P1
133	P1
100	P1
90	P1
75	P1
66	DX
33	SX
25	SX

Artwork - Network
Café ASCII
Like Tiny Cubes of Glass
Pink Grease
Mama
Simon Blackmore
Matt Butt
Lotec
digital rainstick
Spectre at the Feast
Take 5 Therapy
EdSpace
Phoenix Music Club
Claywood
925
Contemporary Art in Sheffield
Montelimar
Simon Lewandowski
Log1k
Stationary Stationary
Reknoid
Kludgeware
Anthony Hall
South Yorkshire Women's
Development Trust
Caroline Styles
The Bridge Project
Peace
Tools & Techniques 2
Futureproof
twiggy and the k'mesons
Ali Davies
Esoana
Sharrow Encounters
4 (IN) O4
Antics
Ruth Ben-Tovim and Trish O'Shea
spoonbender
modified toy orchestra
Cally Begg
Null Pointer
Under the Skin
[destrukta.net
Hyperscape 2
New Dust
Green Top Community Circus
modified toy orchestra
Mike Tonks
Tools & Techniques
Voices
Jim Prevett
James Wallbank
Sheffield Sea Life Centre
Matthew Gray
Bureau of Inverse Technology
Richard Bartle
h52
Bristol's Cube
disposable urban landscapes
Adrenalin Studios
CELREP
Bloc Space
Ali Jones
Bristol's Cube
Prokem
Campaigns Coordinating Committee
Yog Yog
Prevett & McArthur
Arts & Leisure Foundation
I am an artist on
Jobseeker's Allowance
Free Power
Waterloo Metals
Bloc Studios
Cotelands Education Centre
Handsworth Road Hogs
Doan, PS Offline
Anne Mawdsley
Freepost
From Despair To Leisurewear:
Mc Cormack & Gent are not talking
M1 Protest
Giovanni Chrome
Urban Paranoia
Photographs from the Globe
Free People
Short Dark
Lizz Tuckerman
Trikes 4 Transport
Pink Grease
Fax TV
The Marriage of Art and Science
Veggie
Voices Forum
Take 5 Therapy
Ian "Gumby" Vickerman, Jim Methie,
Consume Net
Access Space Opening
Genderchangers
e - films
HYPERSCAPE 1
House Rabbits
Richard Bolam
Tech_nicks Sheffield
Building a Field
Grow your own media lab
Pixel to Portico
Wear the Milk Bomb
Tony Goddard
Shift Media
Ed Carter
Used Future
Robotic birds
Know Future
Malte Steiner - PD Pure Data
Paperless Office
Virtual Graffiti
Paul Granjon
IT Hz, The Nature of Obsolescence
Broomscape
trash??
Backspace
Refurb 2
The Project With No Name
GigaO
James Stevens
Red Dot
Lowtech Manifesto
Kicking the Upgrade Habit
Photocracy
Sheffield Refugee & Asylum Co-op
Rigg I.T
Peak Media
Jamie Dormer
Low Tech Digital Revolution
Lowtech Video Wall
A2RT (Access 2 Recycled Technology)
Vertebrate Graphics
Habbo Hacks
Redundant Array + Hard Copy
Gorilla Cinema
Tony Goddard [4DMATHS]
Magnum Ogus
Size Matters + Falling Down

The Access Space map is organised according to the following guidelines

Projects

01   [box] Access Space and spacers' r&d projects = artists and technologists that have visited and/or developed
      projects while in residency at Access Space ; projects being developed / implemented by Access Space in
      collaboration with other labs, artists and organisations

02   [   ] network spacers: Sheffield-based individuals and groups that use Access Space and the server to
      develop and maintain their network/ website

Links between projects based on shared approaches

03   [   ] o2u: use of open code / open source software for specific applications and /or
      upcycling of trash technology

04   [   ] tcp/oh: trash computer protocols/ open handshake: network topologies developed with trash
      machines involving open source protocols to tranfer data between redundant machines

05   [----] collaborative networks

The projects are distributed on a pixelated map abstracted from a cartographic image of Sheffield. The X Y coordinates are
based on a diagram by James Wallbank that outlines the power of readily available zero-cost computers over time.
The aim is not to provide a rigorous mapping of the relationship between Sheffield and hardware redundancy. Rather it is a
speculative attempt to represent visually the economical space of the low tech digital revolution in a city where Access Space
is providing a visible linkage between the availability of open source software and and its role in the upcycling of trash
technology into networked environments.

The core projects and the most crucial to understand the ethos of Access Space are the ones associated with artists
residencies, exhibitions and workshops / learning events that took place in Access Space. They are the ones also represented
in the book with more depth through writings by their authors. In addition Access Space has functioned as a free media lab for
many Sheffield based artists and activists, creative and socially oriented organisations that have used the space's resources to
develop their web sites, host their domain names and generate a level of activity and community that constitutes an additonal
layer for the map.

Lowtech means technology that is cheap or free. Technology moves on so fast that right now we can recover low-end Pentiums and fast Macintoshes from the trash. Lowtech upgrades every year. But we don't have to pay for it.
Lowtech includes hardware and software. We advocate freeware and low cost software. We particularly advocate the use of low cost, open source operating systems.
High technology doesn't mean high creativity. In fact sometimes the restrictions of a medium lead to the most creative solutions. Independence is important. Don't lock your creativity into a box you don't control. Access is important.
Don't lock your creativity into a format we can't see. High tech artworks market new PCs. Even if they aren't meant to. Artworks that make use of new, expensive technology can't avoid being, in part, sales demonstrations.

Part of the message of an online video stream, whatever its content, is "Hey, isn't it time for an upgrade?".
Communicators concerned with the meaning and context of what they do may want to avoid this.
We're skeptical about the consumerist frenzy associated with information technology. Lowtech questions the two year upgrade cycle. A lot of people say that new media is revolutionary. They say the net is anarchic and subversive. But how subversive can you be in an exclusive club, with a $1000 entrance fee?

Lowtech counters exclusivity. Lowtech is street level technology.
Text is great for communicating. Write down what you want to say. Make it clear and simple and non-exclusive.
Email is still the "killer app". Fast, low cost global communication for the ordinary citizen is genuinely something new. HTML is good for lots more than web pages. Now you can author all sorts of graphical stuff with a plain text editor. Use the web for plain text and images. It's simple and cheap and quick and it works.
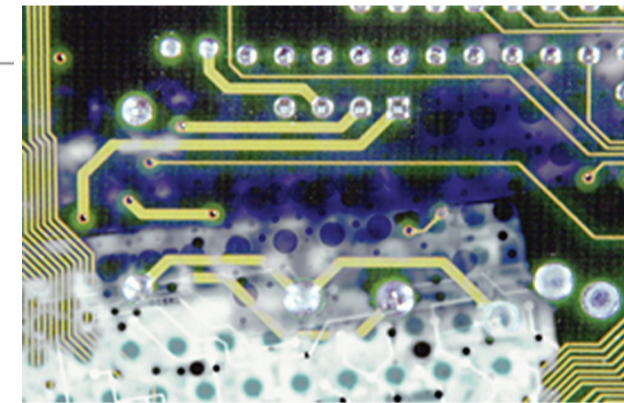
Background image: 23-02-2002 Vicky Morris Know Future exhibition

06-2002 Marcelle Campher and Sheffield skateboarders DIY T-Shirt Workshops

03 -1999 James Wallbank Lowtech Manifesto presentation N5M

2003-05 RTI FreePeople Online Campaign

04-2003 RTI Paperless Office Exhibition

03-2004 Philip Welding Stationary Stationary Exhibition

2002-05 Access Space Grow Your Own Media Lab!

2000-05 Mozaz Image online photo archive

03-2002 RTI Fax TV Exhibition

04-2003 Simon Blackmore Digital Rainstick Residency Workshop

09-2003 Kate Rich and Ali Jones Bureau Of Inverse Technology & Bristol's Cube Presentation

DB 15 female to female slim genderchanger

04-2004 NullPointer 4(in)04: Perform Sound

08-2002 Access Space and A2RT Grow Your Own Media Lab /Tech2: @ Folly!

06-2002 Marcelle Campher and Sheffield skateboarders Skate Project Workshops

2004-05 Steve Withington Disposable Urban Landscapes Online gallery

10-2000 RTI Lowtech Video Wall Exhibition

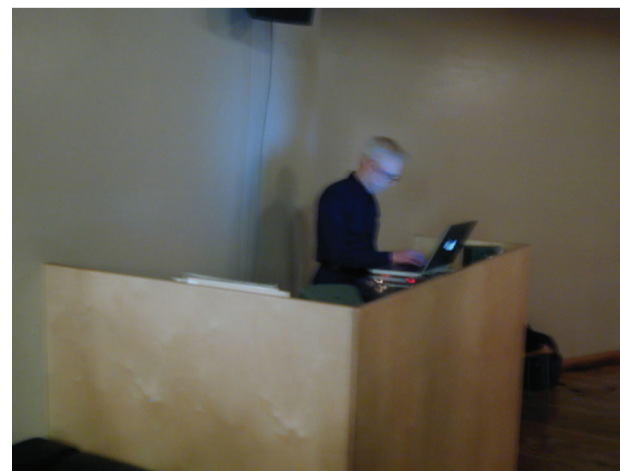06-2000 MAP, Irrational.org, Technologies To The People and Mejor Vida Corporation Tech_nicks Sheffield Mobile Lab

11-2001 GenderChangers Workshop

04-2003 Stephen Carley Epicentre Sieben Tongue & Groove Sound

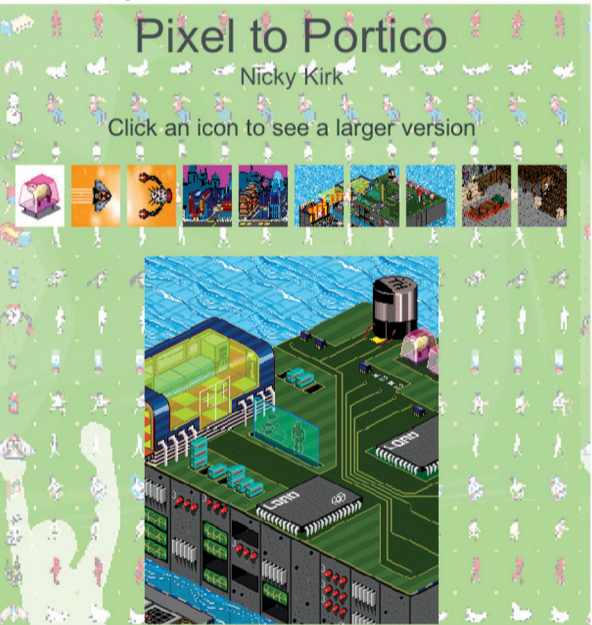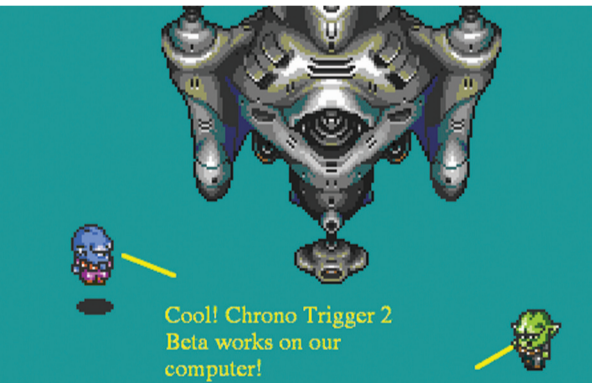10-2004 Xan Byatt, Mark Foster and Adam Tyson with PJ, Ross, Hannah, Jade, Sam and Hayley Voices Exhibition

11-2002 Malte Steiner Pure Data Residency Workshop

Pixel to Portico
Nicky Kirk
Click an icon to see a larger version

12-2003 Nicky Kirk Pixel to Portico Exhibition

2003-05 John Ashton, Ed Carter and Julius Ryan Arts and Leisure Foundation Sound

Cool! Chrono Trigger 2 Beta works on our computer!

THERE WILL NOW BE A BRIEF INTERMISSION

THIS IS A PUBLIC ANNOUNCEMENT TO SAY SORRY FOR THE LACK OF UPDATES. WE HAD TROUBLE DRAGGING DOAN OUT OF UNIVERSITY AND STOPPING HIM PLAYING COMPUTER GAMES ALL DAY REMEMBER. WE WOULD WORK TO OUR LAST HP AND SACRIFICE THE UNIVERSE TO WRITE THIS WEB COMIC!

2004-05 Harriet Lowe Doan Chrono Trigger Web Games Hacking