Robot Shark Laser!

What Hackerspaces do

What is a Hackerspace?

- Physical Forum
- Collaborative Projects
- Community: Friends, Hackers, Countrygeeks!
- DIY exchange skills, info
- See: CCC, Makezine, DIY, dorkbot, HackLab

Panel Introduction

Noid	The Black Lodge	Seattle, WA. US
Leigh Honeywell	Hacklab.TO	Toronto, Canada
Nick Farr	HacDC	Washington, DC. US
Steve Clement	Syn_2cat	Luxembourg
Beth	Freeside	Atlanta, GA. US

A Note About the Panel

- We did not get any volunteers from the Middle East, Asia, Africa or South America.
- We tried for as much other diversity as possible.



Baseline

about us

Beth

Freeside

Atlanta, Ga.



freeside

WWW.FREESIDEATLANTA.ORG

- Freeside is a non-profit hackerspace in Atlanta, not to be confused with Freeside.it

- Started by a couple friends from Columbus, Ga. & dc404, including folks from various other local groups & via hackerspaces.org:

  - 404.se2600

  - ALE (Atlanta Linux Enthusiasts)

  - Atlanta Perl Mongers & AtlantaArduino

  - Dorkbot ATL & Botlanta & NAISG

- We started 6 months ago, 3 friends, at a bar, meeting once a week. Now we have an insane venue, 50 members and are already working on space-related projects.

- So far, we stole the CV&B's from MindSpring, (Thanks Charles!) have a Hackerspace Manifesto (Thanks Eater!), and a couple safety rules like: "be safe"

- Visit our site to see how and what we are doing.
  - www.freesideatlanta.org
  - wiki.freesideatlanta.org
  - blog.freesideatlanta.org



“... But it is said, if you confront the Black Lodge with imperfect courage, it will utterly annihilate your soul.“

–Dep. Hawk, Twin Peaks



The Black Lodge

About us..

- Founded October 2008 in Kirkland, WA
- 8 primary members: noid, Luna, Vidiot, Cyben, Londo, Dark Tangent, Don Ankney, "Dr." Brian Walls
- www.black-lodge.org
- Interests: hardware hacking, metal working, coding, photography, socializing, art, hacking, beer brewing, meteorology, HAM radio

Why'd we do it?

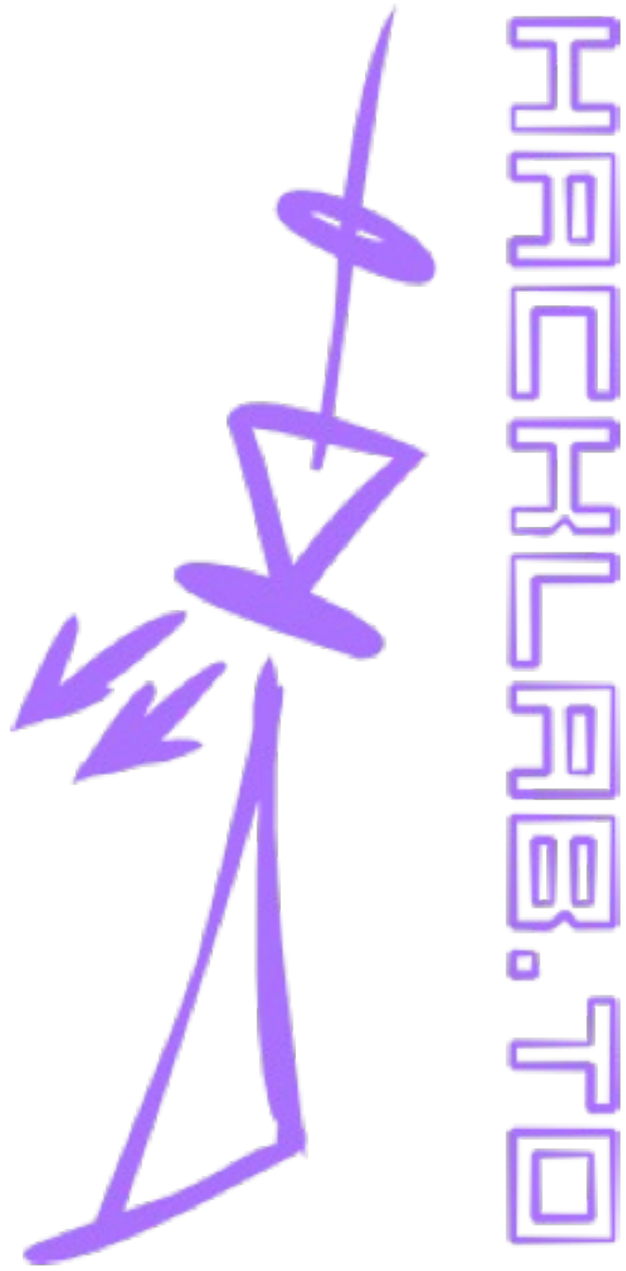
- We wanted a shared, collaborative space
- Hardly any of us have garages
- We all have more tools than we know what to do with
- We wanted a nice place for social events
- We wanted to do our part to help the community

How we operate

- 7 of us pay the bills out of pocket
- 24 hour access to the Lodge to those that pay rent
- When the Lodge is open, it is open to all
- Can be opened by request
- Monthly board meetings

HackLab.TO

- Toronto, Ontario, Canada
- Founded in July 2008
- ~25 members
- ~800 sqft space in Kensington Market, downtown woot woot!
- #hacklabto on irc.freenode.net
- http://hacklab.to blag



HacDC

- HacDC is a Non-Profit
- The founders knew each other from DefCon, the rest of the founding
- members found each other primarily through DorkbotDC and MakeDC
- It took us about three months from our first meetings to leasing a space.
- We are funded primarily by member dues, additionally by donations
- Our guiding rule: Don't act in a way that requires us to make a new rule (i.e. be excellent to each other.)

Who are we?



www.hackerspace.lu

syn2cat

space?



So your a **Hacker"Space"...**

Where's your **"Space"?**

MOBILITY is...



... is KEY



Let's Talk About Projects

Noid

The Black Lodge
Seattle, WA

Current Activities















Future Projects

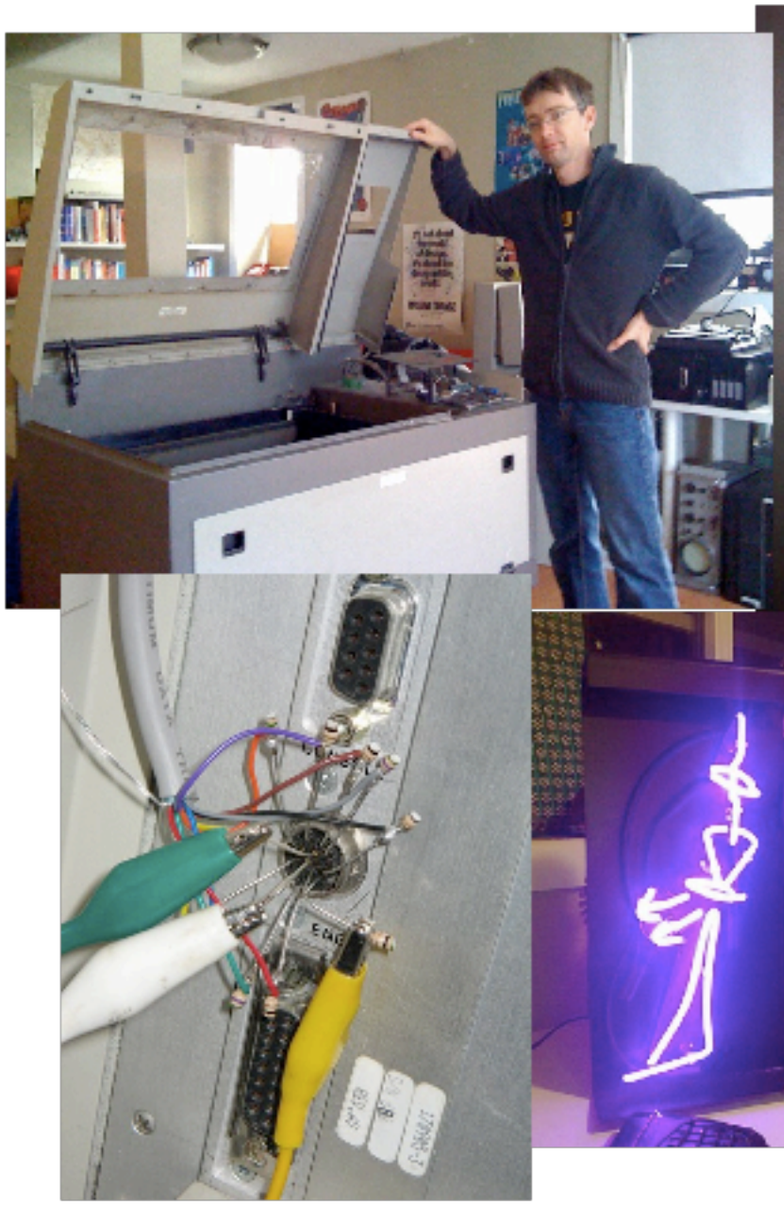
- Propane Foundry
- Horology
- Virtualization Lab
- Steampunk Workshop
- Wine and Cider Making
- Metalworking, Large and Small
- Internet Weather Station
- 501(3)(c) formation

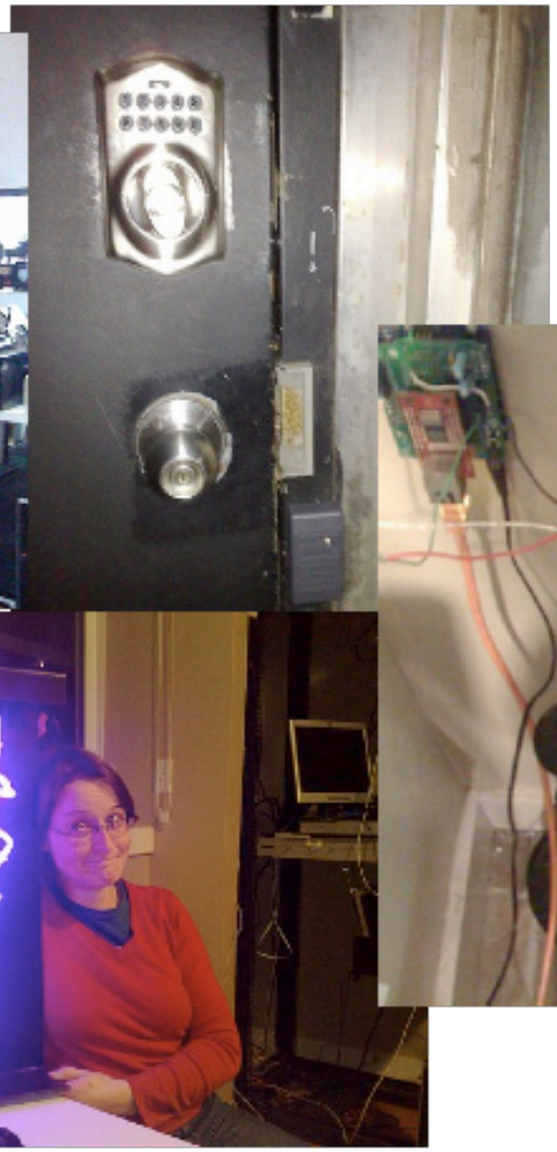
Leigh Honeywell

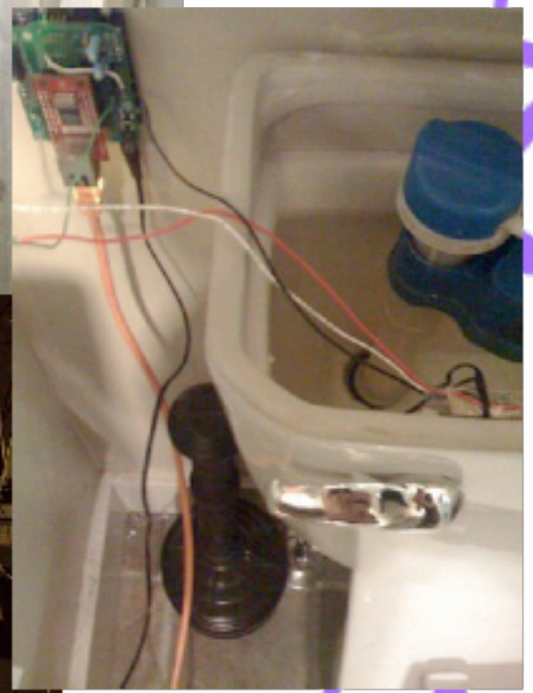
Hacklab.TO

Toronto, Canada

Projects



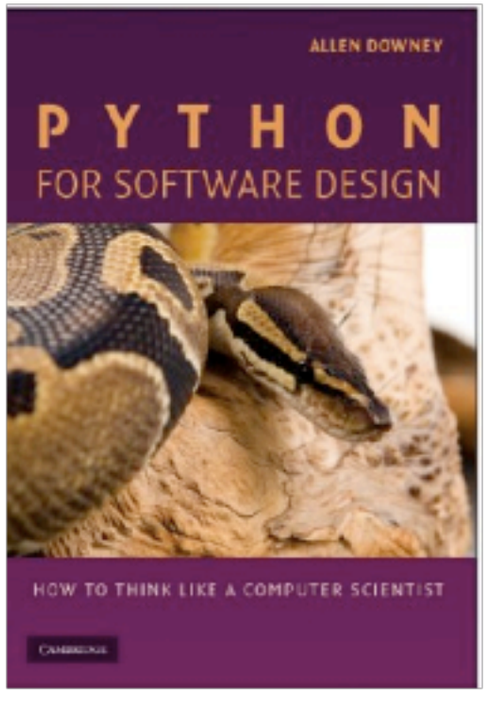


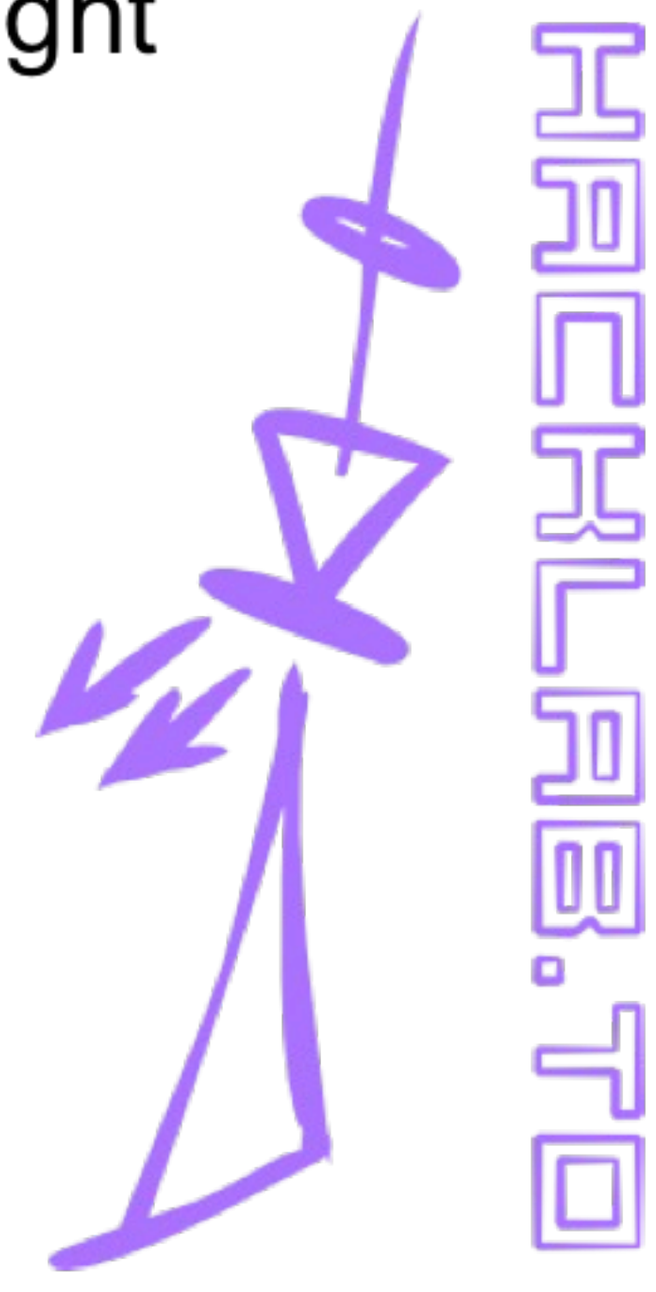


HACKLAB.TO

Python Newbie Night

- Drop-in class every Thursday
- Using an awesome free/Free textbook: thinkpython.com





How the class works

- Work through text or whatever strikes the class's fancy
- Older students work with newer students
- Code on a projector or monitor
- Take turns at the keyboard
- ...
- Profit!



Lessons Learned

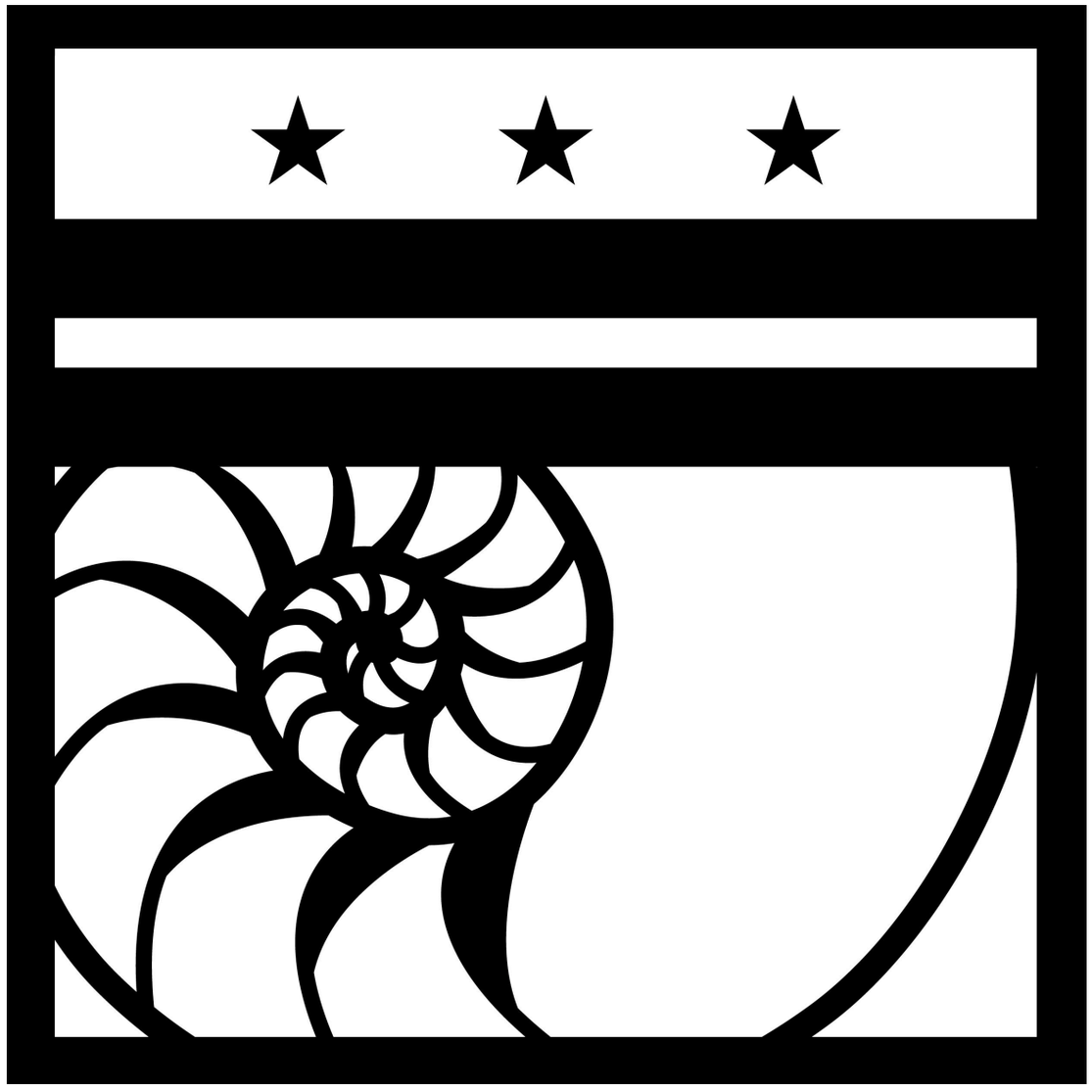
- P4SD is awesome
- For a weekly drop-in like this, have two champions, not one. You'll burn out otherwise.
- Helping people learn to code is way too much fun!



Nick Farr

HacDC

Washington, DC



Freifunk in the USA

Leveraging Community Organizations to Build Neighborhood Wireless Networks

If you remember nothing else..

- Build wireless networks where you live
- Sustainability should be built into the process
- Partner with nearby organizations
- Engage your users through training & collaborative learning
- Applied knowledge = $$$ = paying the bills
- Put the wheels on before you reinvent them

Phase I: Building a stable

- Physical Base: Rebuild the Layer I IT infrastructure through comprehensive re-wiring
- Funding Base: Funding through lowering costs
  - Replace multiple low-bandwith links with fat pipe
  - Replace multiple POTS lines with VOIP
  - Replace need for a security guard
- People Base: Making friends through providing services, training, tech support, savings.

Phase II: Community through technology

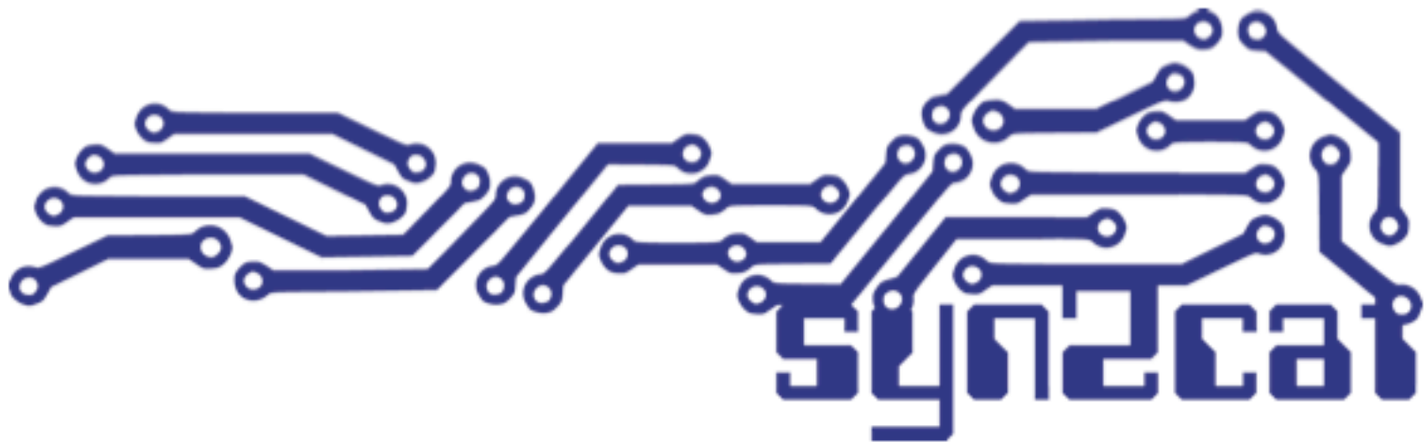
- Now that the church is online, we're building a community network around community wireless
- Single external wireless network for the community around the church
- Provide training and support through community events targeted towards users within the network range
- Provide computers, routers and other physical resources for extension & experimentation

Phase III: Extend the Network

- "If you build it, they will come."
- Encourage independent experimentation and experimentation for extending the main network
- Find new points of presence for extending the main network
- Encourage mesh networking attaching to the main network

Steve Clement

Syn_2cat Luxembourg



12-minute-round-up on what we do

project MASH-UP

syn2cat



REMIX * REUSE * RESAMPLE

round 1

Awareness raising

(the social task)

round 1: **we are hackers, not terrorists**



round 1: **RFID is for cows, not for people**







CHAOS COMPUTER CLUB
LUXEMBOURG

round 2

Art and Beauty

round 2: **L.A.S.E.R tag Linux Port**



round 2: **Throwies**



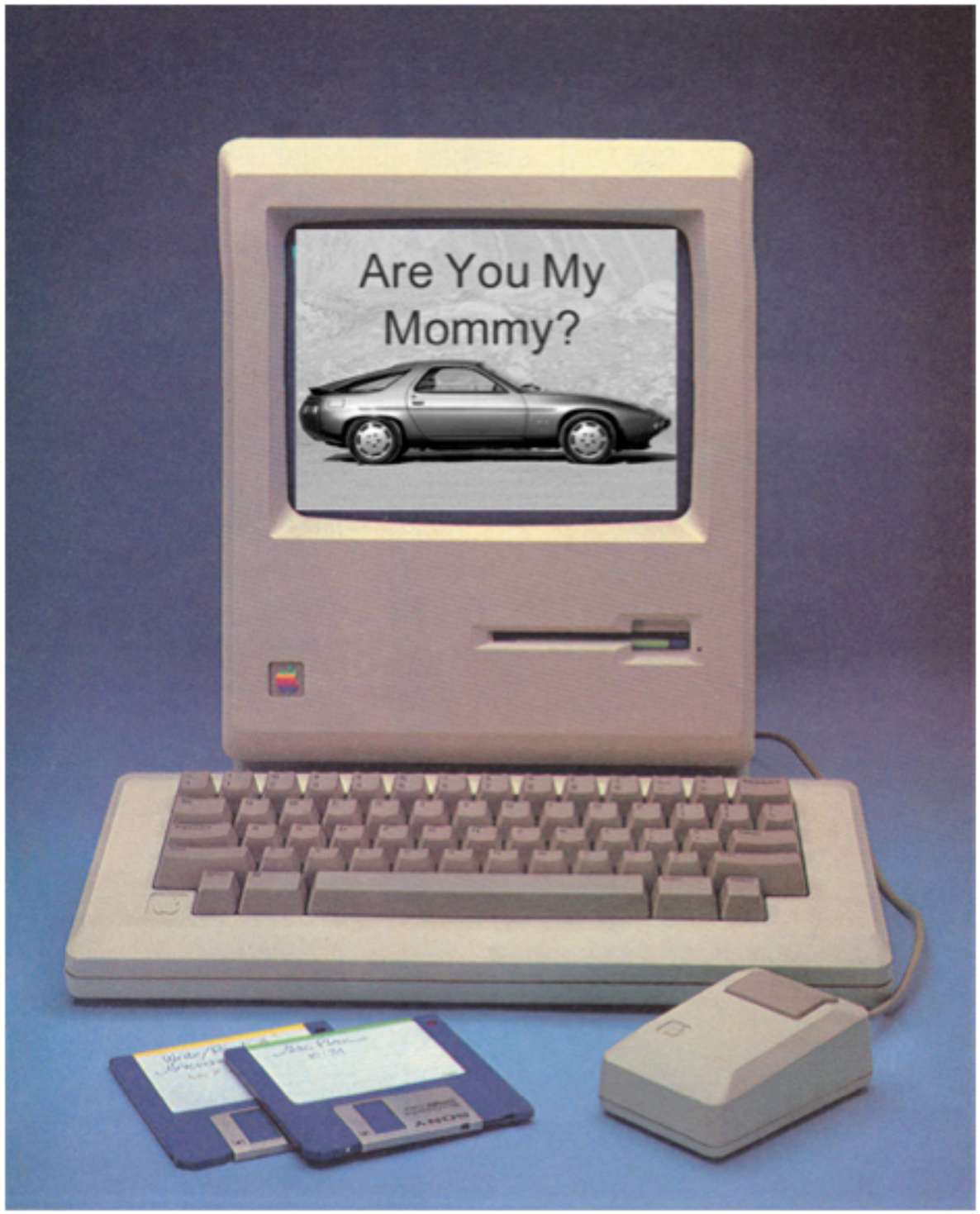

Summer Camp
2009

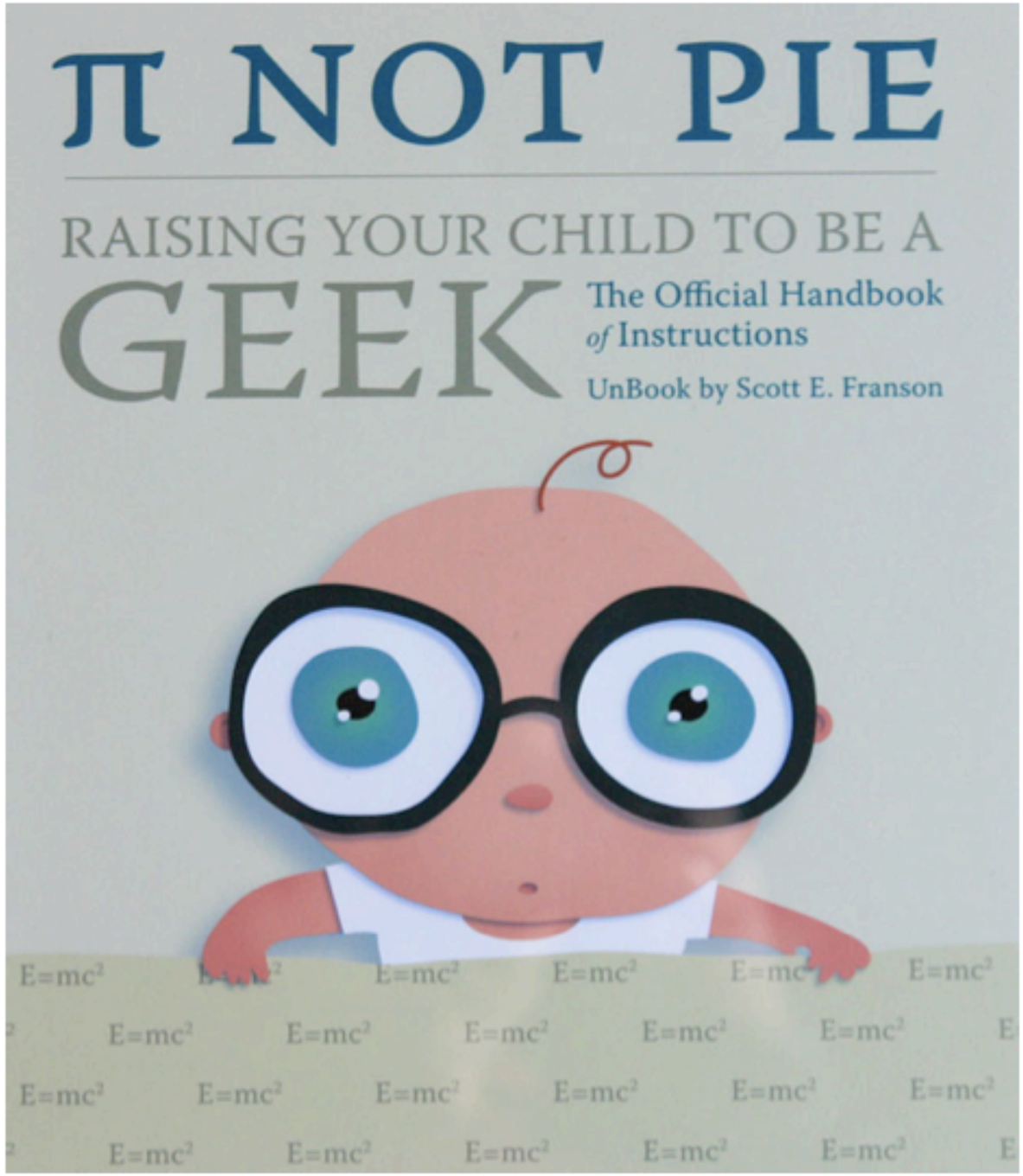
The Future

round 3: **radio killed the internet star!**



round 3: **U23 no kids, no hackers!**





Thanks @all



syn2cat.lu

blog.graffitiresearchlab.lu

twitter.com/steveclement


GRL-Luxembourg
goes MNHA

To Sum it Up:

- You can join or build a hackerspace in your town.
- You can support hackerspaces at home and abroad.
- Hackerspaces are as different as the people that create them.
- Building and maintaining a hackerspace is a project in and of itself.

Resources

http://hackerspaces.org
http://www.arduino.cc/playground/
http://dorkbot.org
http://wiki.hacklab.org.uk
http://makezine.com
http://reprap.org
http://www.fablab.af/

Public Service Announcement

- Makers Local 256 is hosting a maker meetup in Huntsville, Alabama. September 18th - 20th. Come learn how to start your own hackerspace, and/or swap stories and strategies with other hacker/maker space founders and members.
- Keep your eyes on hackerspaces.org and/or check with LadyMerlin for updates.

Discussion

Q & A

Mayhem, etc.