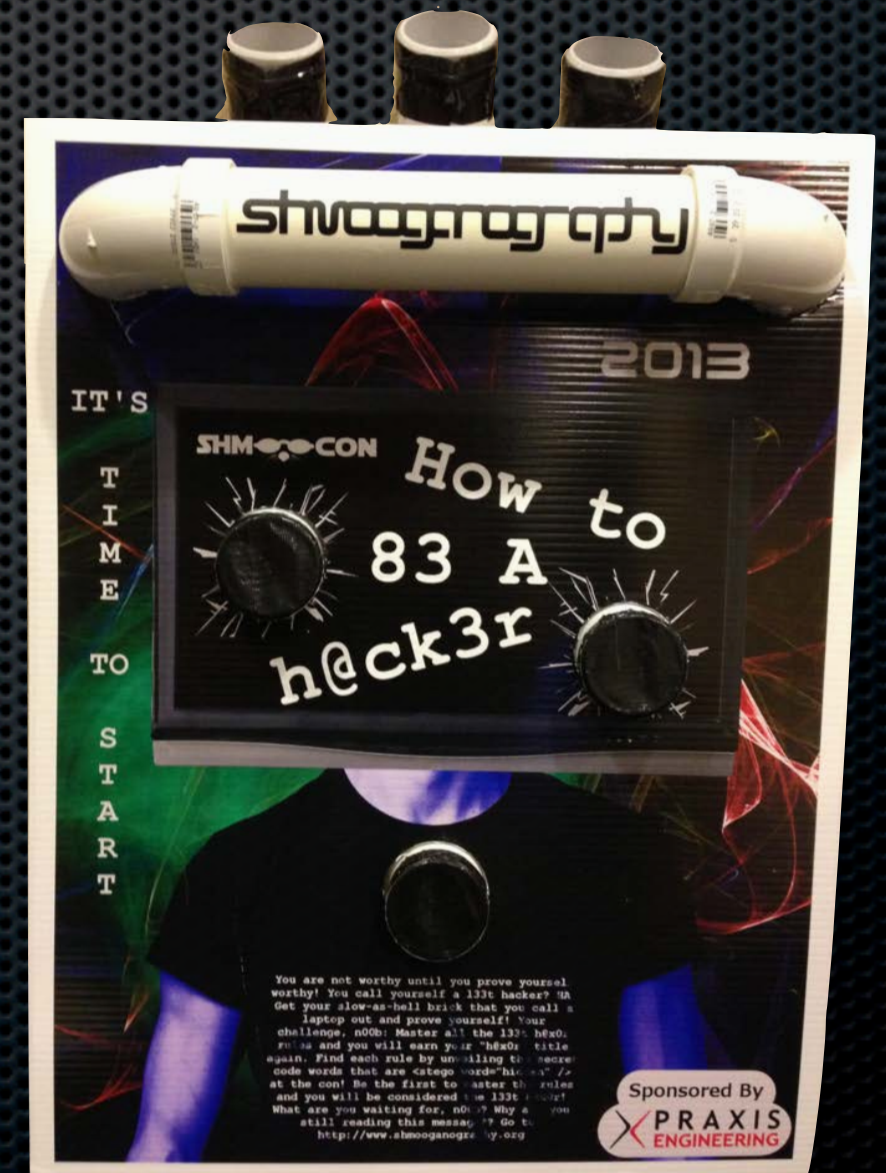# Shmooganography **2013**
How we did it

Who figured it out?

Hammer&Brothers

(as we walked up to the stage)

11 teams this year

Team	Codes Found					Discovered Theme
Hammer Brothers	1	2	3	4	5	YES
MooseyFate	1	2	3			NO
Stranger Danger	1	2			5	NO
OMGWTFLollerSkates	1	2			5	NO
Bruce's breasts	1					NO
NopNop Goose		2	3	4	5	NO
Digital Intercept	1	2	3	4	5	NO
SecShoggoth	1	2	3	4	5	NO
rabidN0mads	1	2	3	4	5	NO
forever alone	1	2	3	4	5	NO
Shmoobatz	1	2	3	4	5	NO

Stage One:
hacker: movE out of yoUr maMma's Basement (cuz that isn't l33t)

- Blacklights return, but for an alternate purpose

- Clue and code phrase are layered vinyl inside the case

Code phrase

hacker: movE out of yoUr maMma's
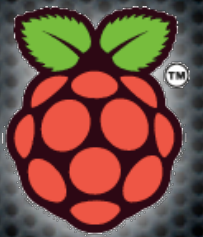
Basement (cuz that isn't l33t)

Only squares wear glasses;

cool chicks can see straight.

Stage Two:
hacker: dOn't be the script kiddie

* Twitter feed with part of polarized filter removed (blue corners)

* Use square in bag to re-polarize the light and see the message

* Raspberry Pi inside!
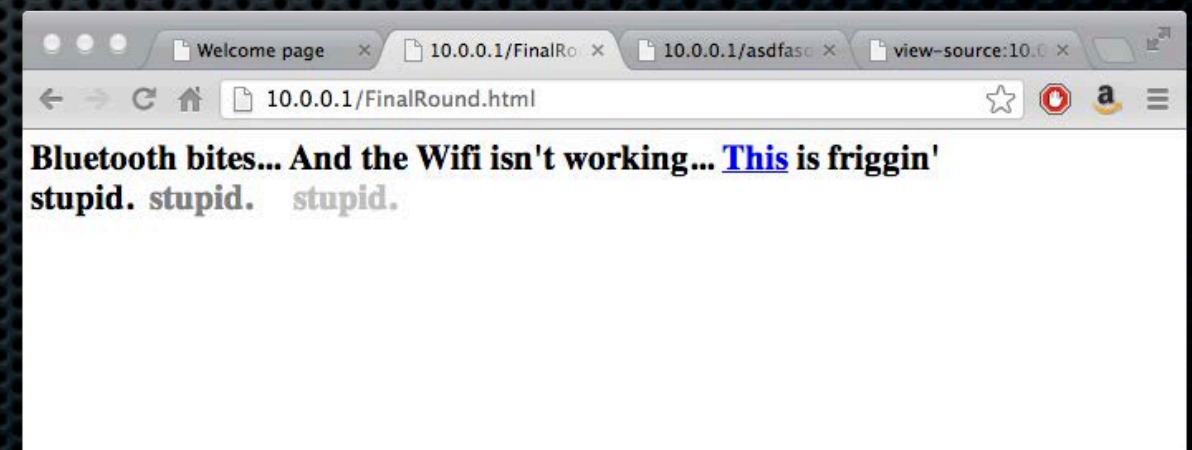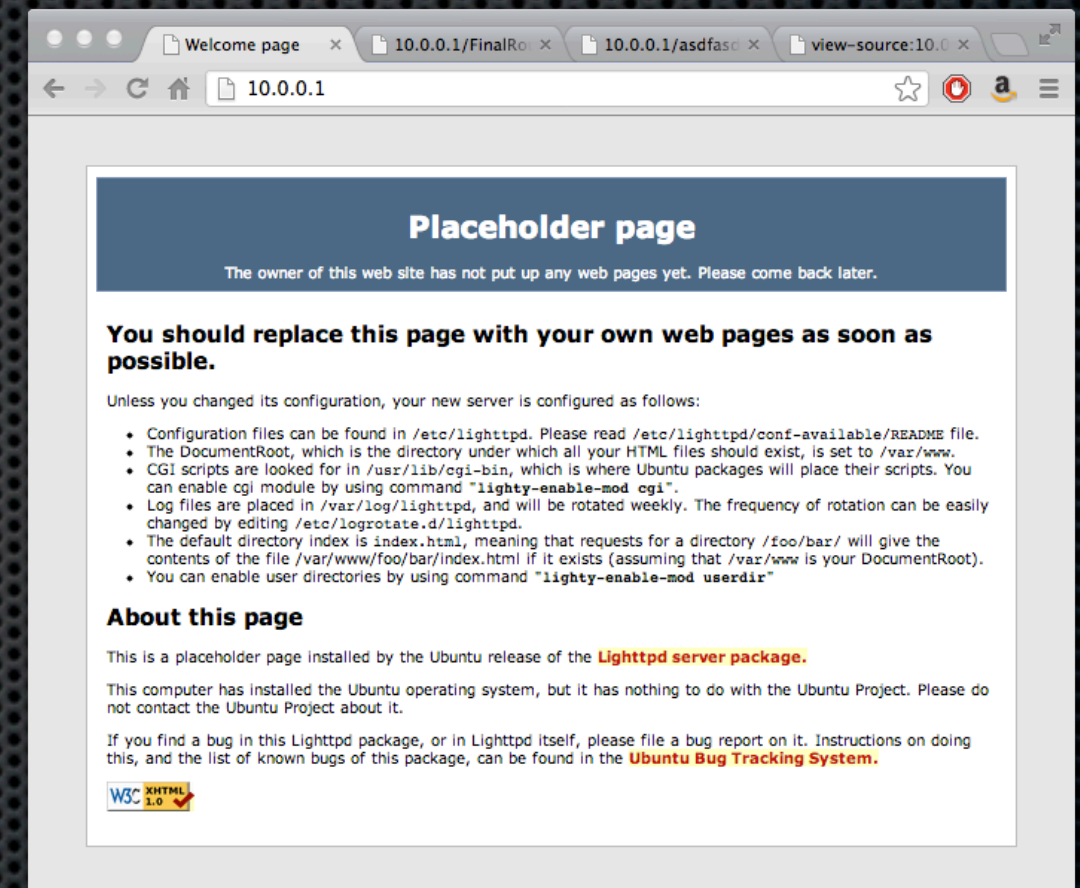
Stage Three:
hacker: Get yoUrself an awesome handLe

- Remake of contest video, but with extra goodies

- Four corners of QR code placed in frames within video (code phrase

- Cowbell track added, low tone = 0, high tone = 1 (hint)

Stage Four:
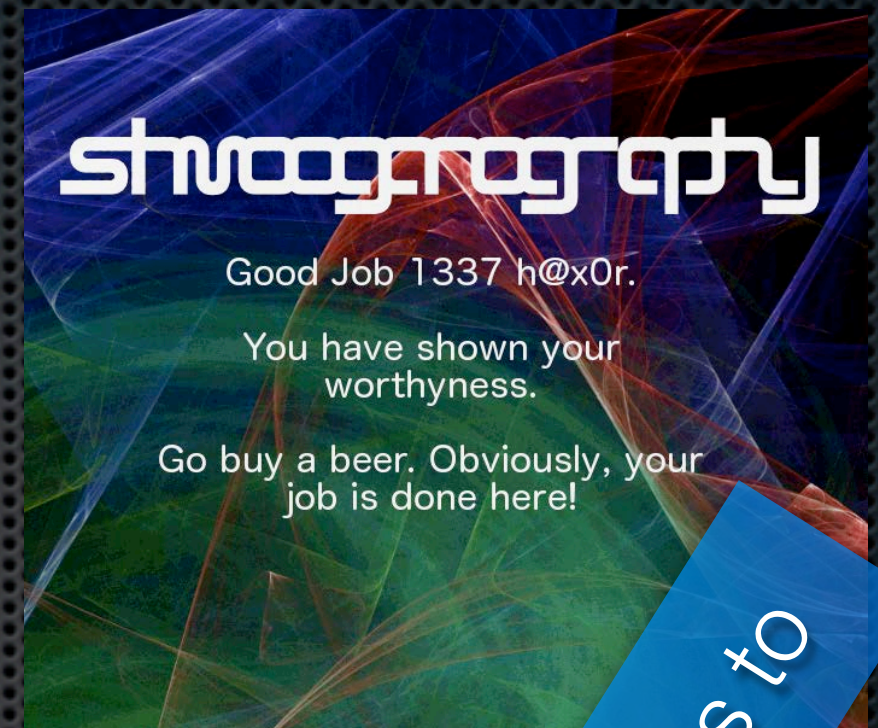## hacker: neveR -- ever -- hack another hAcker

- Inspired by ad hoc bluetooth networks used during Egyptian protests

- Pair with **ShmooTooth**, pin was 2013 ("this year")

- Website at **http://10.0.0.1**

- Hint/code phrase in hidden HTML

Stage Five:
hacker: PwN3e the world

- ICMP data tunnel containing C++ code to decode an image (from previous year)

- Embedded within the C++ code is binary message (encoded as space/tab) of image

- Final image extracted with compiled C++

shruograography

Good Job 1337 h@x0r.

You have shown your worthyness.

Go buy a beer. Obviously, your job is done here!
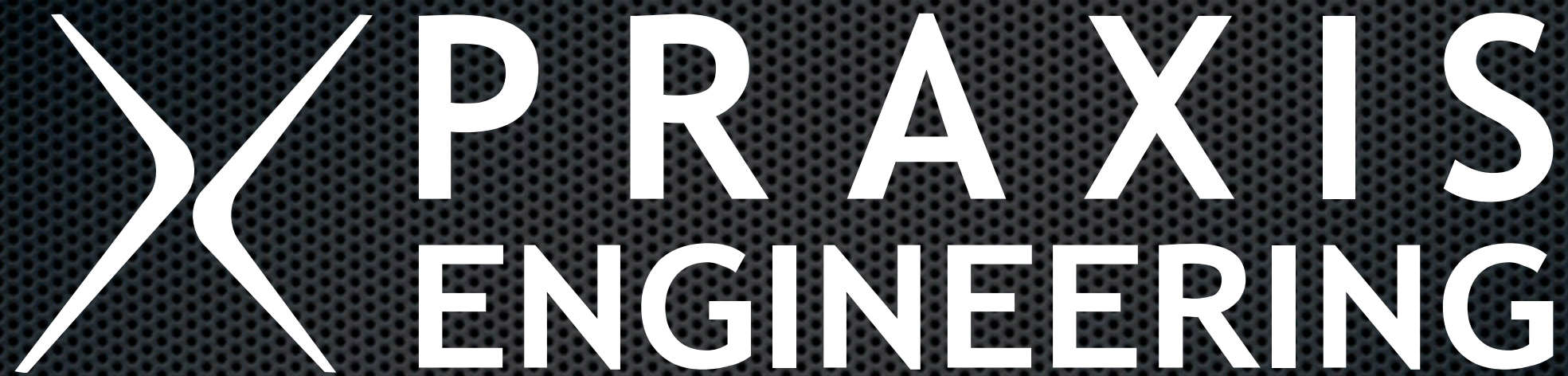
Extracts to

K0n9R4tZ 133T h4x0r. J00 h4v3
pR0V3D J00r53Lf W0rthY. h3R3'z
t3h l45t k0D3 phr453:

hacker: PwN3e the world!

83 73h Ph1r57 70 ph1nD 4nD 5u8m17 73h
H1DD3n 7h3m3 w17 4ll 73H k0d3 phr4532 4nd
J00 W1N!

PRAXIS
ENGINEERING

Very Special Thanks

PRAXIS
ENGINEERING

for their generous sponsorship,
covering our expenses, materials,
shirts and prize!

Special Thanks

- **Blue Man Group,** for inspiring the theme this year

- **Lifehacker,** for the monitor depolarizing technique

- **Silhouette Cameo,** for vinyl cutting awesomeness

- **Our Understanding Wives,** for tolerating our procrastinating ways

- **Our friend Jimmy**, for helping with the posters

- **Bruce & Heidi**, for tolerating our endless shenanigans

- **Hackers <u>on</u> the Dance Floor,** for keeping us company

shmooganography@gmail.com

Presentation will be available on
the contest website.