

Shmooganography 2012

How we did it



Who figured it out?

Hammer Brothers

Although they didn't maintain a lead the whole time!

24 teams this year!

Team	Codes Found	Discovered Theme
Hammer Brothers	1 2 3 4 5	YES
Team Moosey Fate	1 2 3 4 5	YES
Grey Life	1 2 3 4 5	YES
SPARSA	1 2 3 4 5	YES
Bringing Back Sexy	1 2 3 4 5	YES
the312crew	1 2 3 4 5	YES
ramrod	1 2 3 4 5	YES
Space Cowboys	1 2 3 4 5	YES
NovaHackz	1 2 3 4 5	YES
OMGWTFLLollerSkates!	1 2 3 4 5	NO
Crunchy eagle	1 2 3 4 5	NO
Team Venture	1 2 3 4 5	NO
Team Venture	1	

Dongzilla	1 2 3 4 5	NO
FRED	1 2 3 4 5	NO
ShmUConn	1 2 3 4 5	NO
JaffaChamp	1 2 3 4 5	NO
Where'sWaldo	1 2 3 4 5	NO
Coulrophobe	1 2 3 4 5	NO
MLPwnies	1 2 3 4 5	NO
sdrawkcab	1 2 3 4 5	NO
iamelsewhere	1 2 3 4 5	NO
Juggernauts	1 2 3 4 5	NO
Team Deistr0	1 2 3 4 5	NO
shmoodaloops	1 2 3 4 5	NO

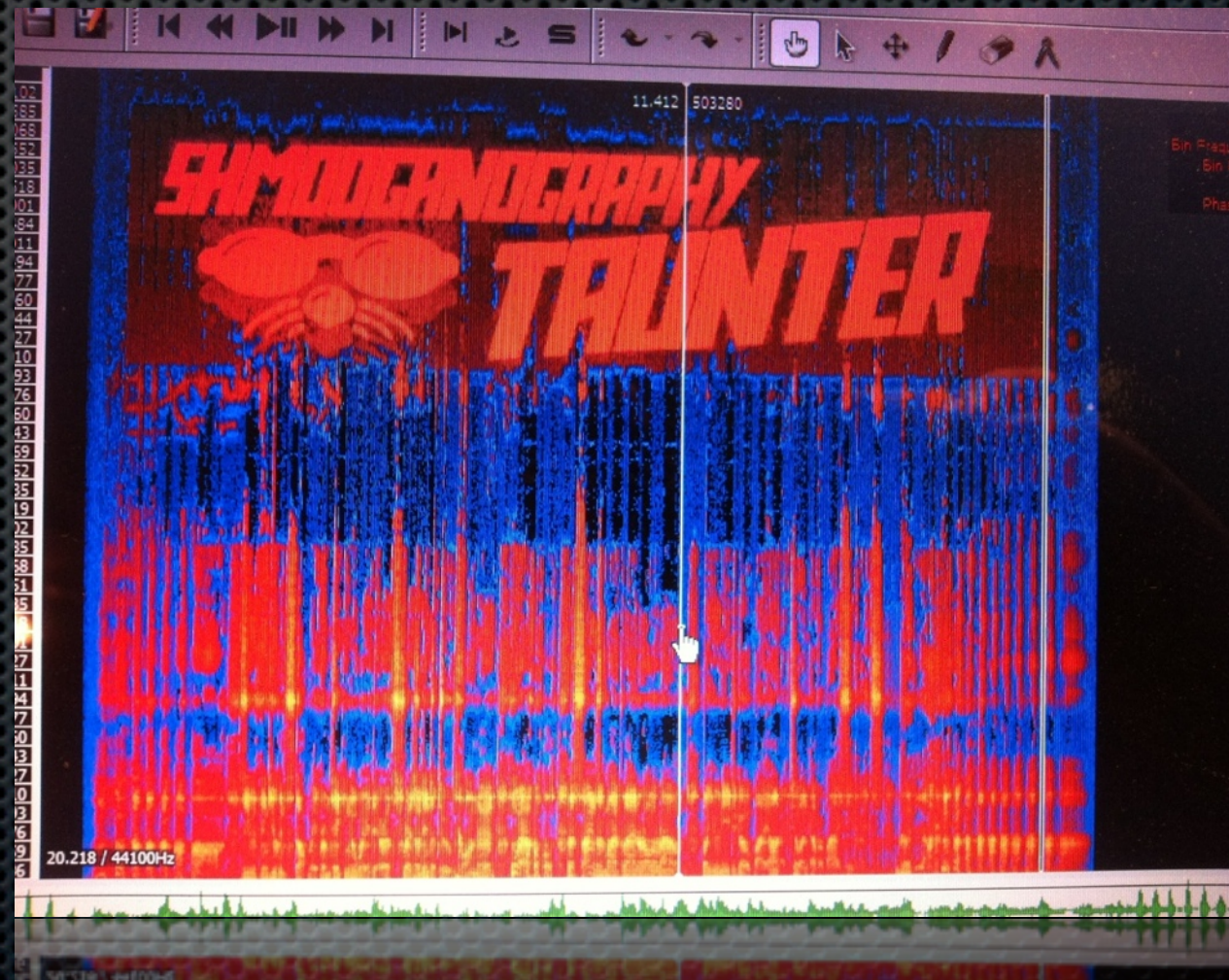
shmoodaloops		NO
Team Venture		

Stage One: **TAUNTER**

- ✦ MP3 message from Drek linked to from website
- ✦ Clue is in the audible audio, codeword is in the inaudible upper frequencies (using Coagula, iTunes & GarageBand)

Codeword

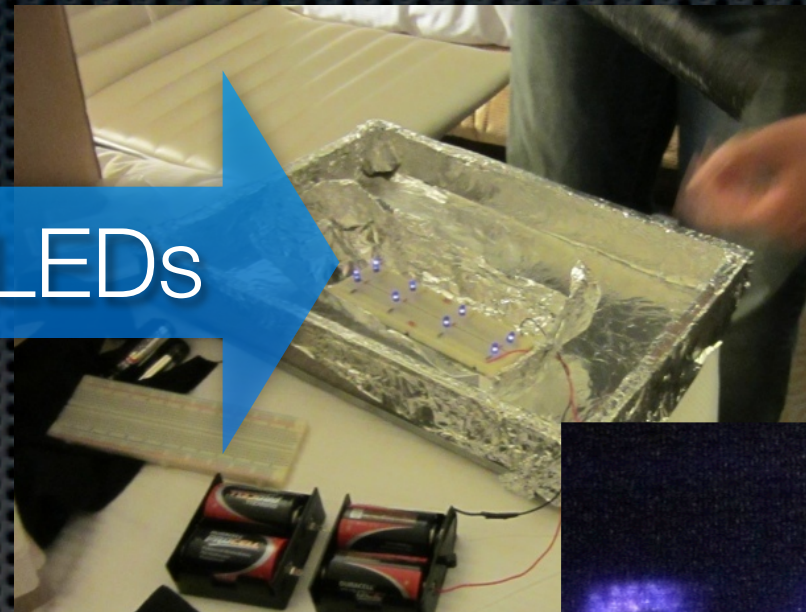
Drek's voice



Stage Two: **RYNO**

- ✦ Infrared LEDs behind black mesh
Shmooganography sign in Registration area
- ✦ Using digital or phone camera reveals invisible light which spells out “You shoot like a nerd; Master the /ART”

iR LEDs



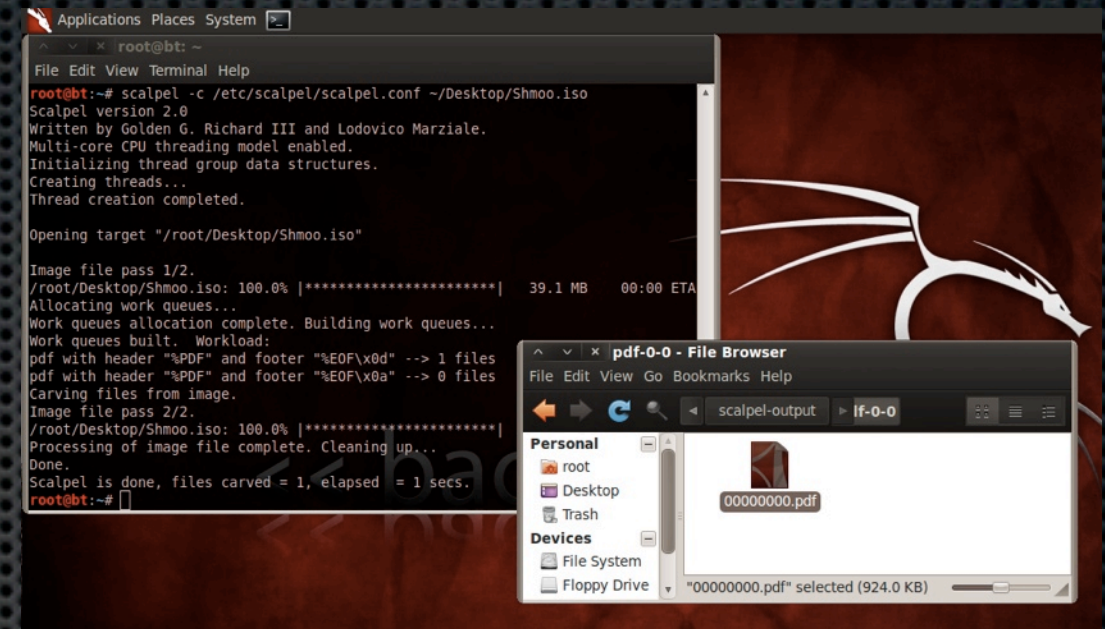
Stage Three: **PYROCITOR**

- ✦ PCAP file contains unsorted UDP over WiFi packets containing randomly shifted ASCII art
 - ✦ Had to sort by timestamp
 - ✦ Remove excess packet data
 - ✦ Transpose to make readable
- ✦ Code and clue contained in the ASCII art

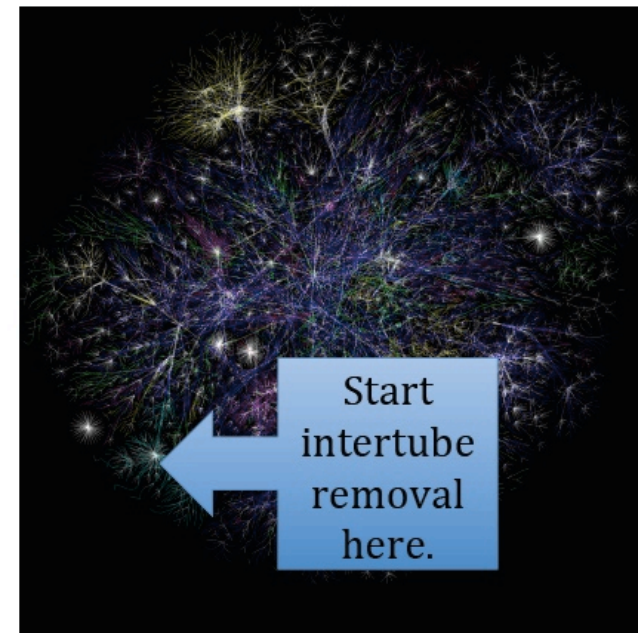
[illegible]

Stage Four: TESLA CLAW

- ✦ Drek's thumbdrive ISO includes a deleted PDF to be recovered (Scalpel on BT5 makes quick work of this)
- ✦ PDF is encrypted to avert 'strings' search; password 'drek'
- ✦ Code word is hidden as white text (*super easy to find*)



Drek's Evil Plan



TODO:

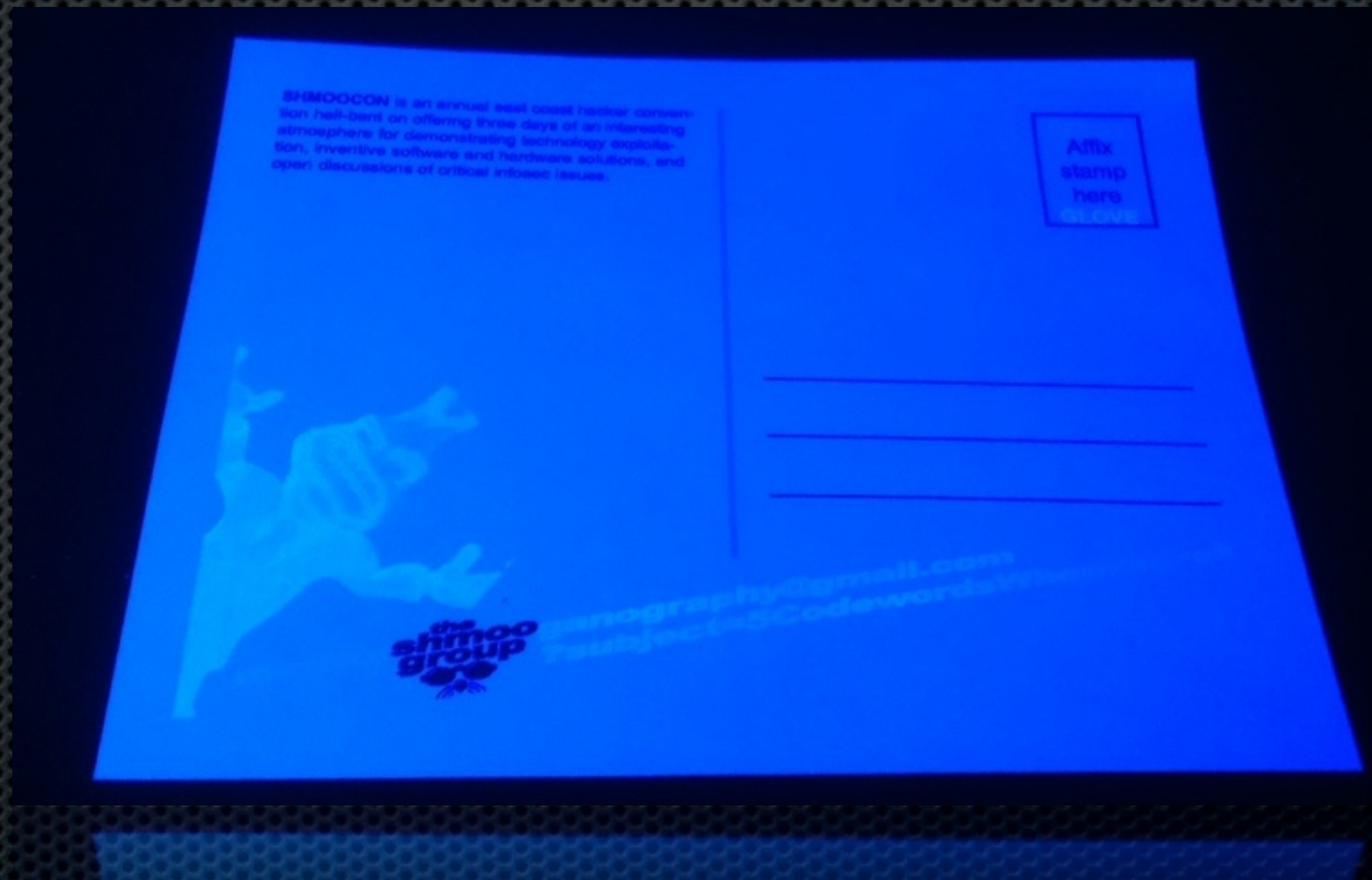
- Get CCNA^{4ED} (for evil doers)
- Study Shmoocon hackers' strategy
- Buy stamps for correspondence



Stage Five:

DECOY GLOVE

- ✦ Put the easiest step for last, just to throw you off!
- ✦ Printed all ~1800 cards ourselves on inkjet for the invisible and invisible ink



Special Thanks

- ✦ **Sony & <http://ratchet.wikia.com>**, for our shameless graphics snarfing used throughout the contest
- ✦ **Scalpel**, for the clever retrieval of deleted files
- ✦ **Caogula**, for making it easy to turn a picture into sound
- ✦ **UVStuff.com**, for selling us prefilled UV inkjet cartridges
- ✦ **Our Understanding Wives**, for tolerating our procrastinating ways
- ✦ **Our friend Jimmy**, for putting the iR sign together
- ✦ **Bruce & Heidi**, for tolerating our endless shenanigans

The Hammer Brothers, upon discovering Drek's location, diSpatched the Hammer Brothers' motHer to take care of Drek. Planning to seduce Drek, she met hiM in the hotel bar tO get him hammered. With his inhibitiOns compromised, he divulGed his secret plan to steAl the intertubes. Seizing the opportuNity, the mother offered to shOw Drek a very special "high speed" intertube. Intrigued, Drek invited heR to his secret "IAy her"to get a private viewing.

3.1415926535898 seconds later, after finding her intertube incredibly slick, Drek took her to see his private intertube collection to proPose an alliance. The motHer executed a fLYing hammer kick to his "private collection", knocking him into the inteRtubes. And thus tO this day Drek remains trapped in an intertube feedbaCK loop where he will slowly cycle for 1024 yearS.

And then we saved the princess.

Hammer Brothers and their Mother

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Want a T-shirt? Email us for
ordering information.

Presentation will be put on the
contest website.