

Shmooganography 2014

How we did it



Who figured it out?

Ferb_A_Lot

17 teams this year

Team	Codes Found	Discovered Theme
Hammer Brothers	1 2 3 4 5	YES
MooseyFate	1 2 3 4 5	NO
Stranger Danger	1 2 3 4 5	NO
OMGWTFLOllerSkates	1 2 3 4 5	NO
Bruce's breasts	1 2 3 4 5	NO
NopNop Goose	1 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: Scorpio

Stargate barcode scanning

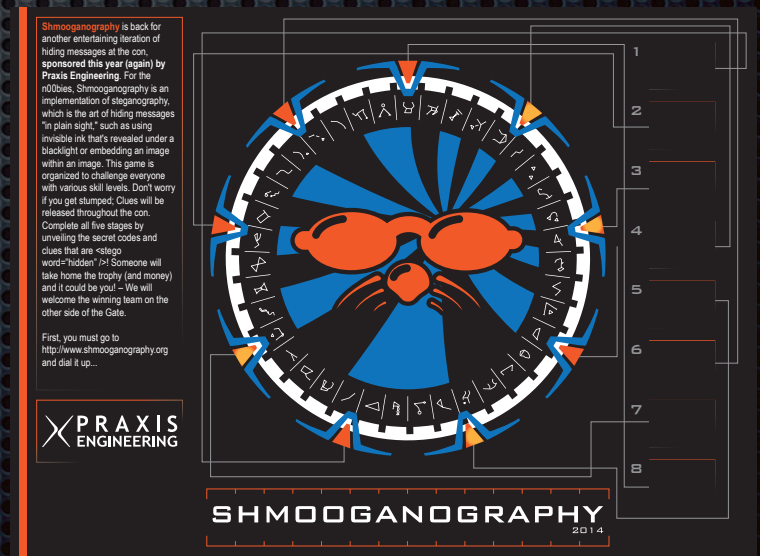
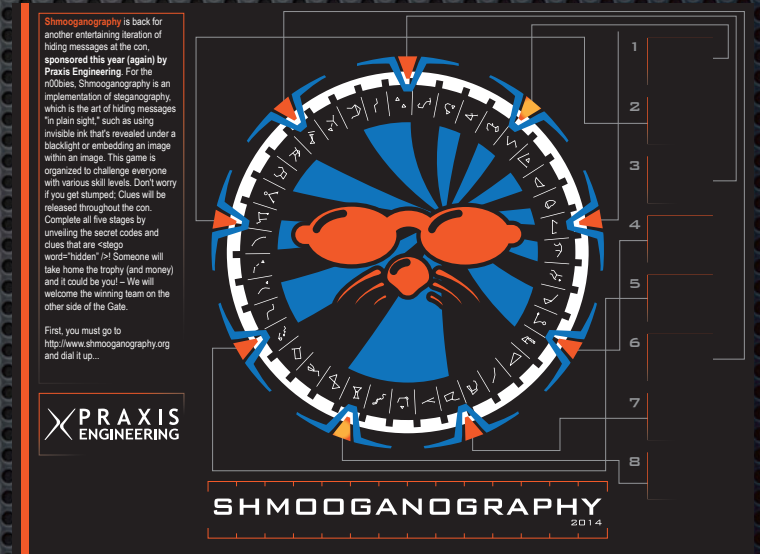
- Overt operation: scan a barcode to learn which character you are
- Scan a team RFID, then the full set of characters to reveal clue and glyph



Stage Two: Sagittarius

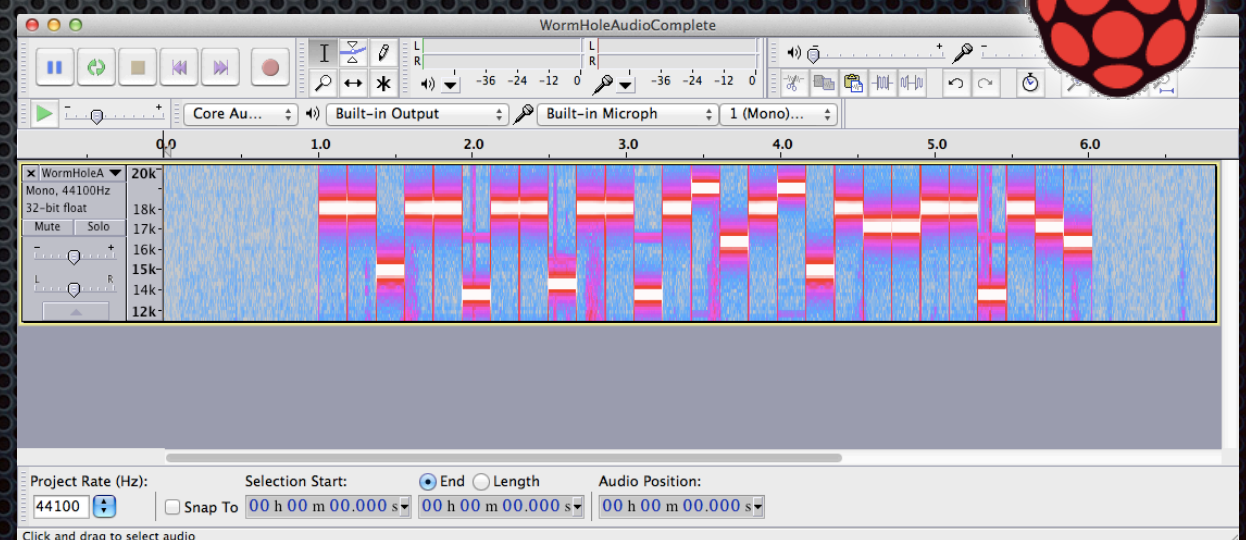
Posters with jacked up chevrons

- Four posters (minus one that mysteriously disappeared), each with different Gate positions and chevrons.
- Chevron intended to represent bytes of an IP address
- Disconnected chevron indicated a glyph; take the first letter
- With hints and corrections, should point to <http://shmoo.com/ECHO>.



Stage Three: Monoceros Blacklights, but now with HomePlug AV

- Shmoocon isn't the same without blacklights; 2 outfitted this year with mic, speaker, RaspberryPi and HomePlugs
- Tap several times on one end, hear a message on the other
- Inspect spectrogram for high freq glyph name



Stage Four: Centarus

Flashy lights in the event horizon

- Used Vixen freeware and Xmas lightshow gear to craft a “vertical pool”
- Each of the 10 blue strands are a bit, but 2 are clock (alternating on/off); encodes name of glyph
- FM transmitter at 91.9MHz provides clue

Stage Five: Endanus

Audio in EXIF on galaxy travel shots

- Twitter feed showed a fellow traveler posting photos online
- Twitter strips EXIF, but the originals were also linked to on our server.
- Files named for the glyphs/constellations in Stages 1-4
- In Audio fields, hex data is for a short MP3 once reassembled in order of Stages

Comments: FFE318C4000B302E7801421000FEA71040C60983E0F9F503EFFFFFFF89C1C04010040B820080207383F7020EFF139F2E0F87F07CFE5C1F07DFFFFAB07FF740823FFC84B98404FFE318C40E0FB89AD801825001AFFFFE62FFFFFFFAE6399FFFFFFA939A3F10E49898DFFFFFFE849623271E195233DCCFFFFFFDBFFEA0202094581A2126606980334970F4FFF1519FFE318C40A0F7AF71711C71001CE626F50910CFF57F5B23B7FA9842005321A8DFA3EF3BFFFFFFFAFFEFF722DC6C9DFFFFFFFA7D5D3FD7EBF60789E7B7E94EF7A7733039492F1ED21FFFFE318C4070D314716F000C404CA2F8CF7C30810C90CFE2DD8B0A92D19FFEEEDFFDBFCA10EE260FFFE9772407FFFFDA635C06488E69BADC8A525517CF619996D6E7A080B1087FC4FFE318C40D1012F342780144120E388C28BE8190151074082C3D193FD082BB7FFF223FFFFFFD4C5A7D16C18B232D50ACA8BFD29FFFFFFFDA9F7EB205EFEFA1E455061B6D843605FFFFE318C4070CDAF70258100520CE27B8B4EA5B5FD15A6A51ED537E9E8FFFFD0DB5B9BF56E95437F4FFFFFFF47FEDF5DAC819EF47E0D0B312AAA82FF900ADC41E9459279BFF65FFE318C40E0C42FAE85028445ECBFFFF7FFF29FE88FF1480EFB23D3FEBFE6FFFFFFFE8FE8E9FEDE3BCAB37F27119100032FFF6167C3856F70661DF849E2B2AEBCE9DBBD0F31FEF318C4180CB04EF25800840015E298D6911BB91FFFFFD32CC60565B76E0ED074A82BAAC5B217BA002BFFDC37BFD5C823C103C60D5F0C5F78E12E17E97A6821FC59DAEA7B63DB99FFE318C4200CB04AE9B945100058A84BFFFFFFB9353DD478D582805777E35D52E120006832B54C78AD0F82325B746B34BEDA8B7FFD76D1BFFFFFFFD2CA8A8CFEB63AFFFF430A0882FFE318C42816F382E8798238014134A9E7CCA03F2663E637FF3A64C6346E7B888423E4DCC45AB1E383E60F9879C4CEFFFF83C17013192860904DD7FCB13279885605A780980000C1FFE318C4070ED1C6FA59811000CA261365CB929967ECF7DF777EDFFFFFFF8BFFD14000AD55E58F3F81427B8BC824EDB0D1B287BB871B110E6FEB9EFD4E042AFEFA37E33544FFE318

Very Special Thanks



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

Special Thanks

- MGM, for not suing our pants off
- StackOverflow, for the “quick, show me how” moments
- Audacity, for free audio manipulating awesomeness
- Silhouette Cameo, for vinyl cutting awesomeness
- Our Understanding Wives, for tolerating our procrastinating ways
- Bruce & Heidi, for tolerating our endless shenanigans

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Presentation will be available on
the contest website.