

17 teams this year! As of Noon

Three Blind Mice

Team FDG

uhh_that_one

hammer brothers

mighty rubber ducks

Early Bedtime

Not Some Anagram

Stage Prizes:

Three Blind Mice
 Three Blind Mice
 Three Blind Mice
 Three Blind Mice
 Three Blind Mice

Actively played

Thanks for registering!

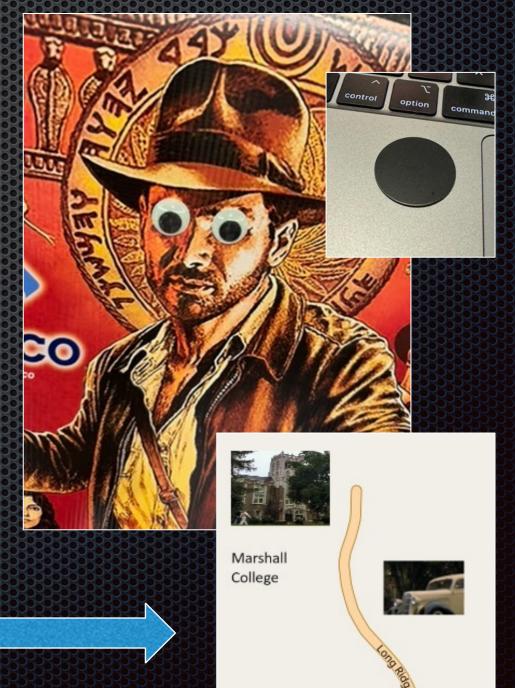
Snorlax ropguy Peter Griffin punkrokkers latticenetworks For The Girls Gitmoneyyy Team Shmooligans LikeTheDinosaur?

the mighty penguins

16/19364/24522

Stage 1: Marshall College NFC tags in contest posters, then map

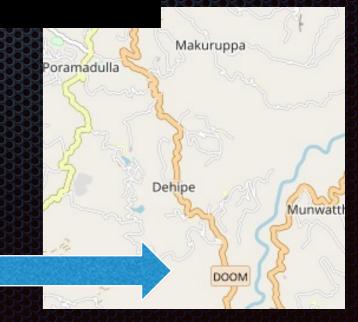
- Each contest poster has a slightly different NFC tag hidden in the corrugated plastic
- Scan each with smartphone,
 FlipperZero, or similar:
 - museum.shmooganography.org:8080, and 16/19364/24522
- Once you realize the numbers are referring to a specific tile on our server, the answer appears!



Stage 2: DOOM Steg'd Leaflet tiles at bogus coordinates

- The earth is flat, even better it's square... who knew, lets make some invalid coordinates!
 - InvalidZ=Z %18, invalidXY = XY % 2^Z
 - Steg is image XOR (lossy)
 - Any Invalid XYZ returns
 - At Z=10 Original XOR Secret
 - At any other cold/warm/hot to Z=10
 - Secret: Image with /intercept (to Stage 3)
 - -5/-2258/3933 to get DOOM at 13/5934/3933.png





Sub-audible Morse code in audio file

Variable ID: samp_rate Value: 41.3k

Mililani

Pacific Palisade

Shanghai

Waimal

Options Title: Not titled yet Author: sware Output Language: Pythor Generate Options: QT GI

- Generated using GnuRadio sequence
- Listening to Indy sound track doesn't reveal distortion, as hidden message is in low frequencies
- Could be processed visually or with a reverse GnuRadio
 Sequence

CROSS THE GLOBE DIAMONDS ARE HIDDEN IN THE CRUST = CAREFUL TO AVOID THE TRAPS AS YOU DIG DEEPER

122501798

Stage 4: Refrigerator StegHide on specific tiles/zoom

- PNG LSB Encoding at all tiles
 - Z=17 (thanks dhsdshdhk/stegpy)
- Secret:

Indy enjoyed his stay around lovely White Sands iN what Means? IndianaShmoo is streaming live at /theater





[user@pc ~]\$

Spring River Gol Course 8/53/102

Stage 5: Hiding in Transport Stream padding

- /theater doesn't resolve at first, need to load IndianaShmoo.m3u8
- Inspect playlist, realize video starts at out5.ts
- Extract all *.ts files, look for
 0xFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF
 padding
- Stitch together JPEG image

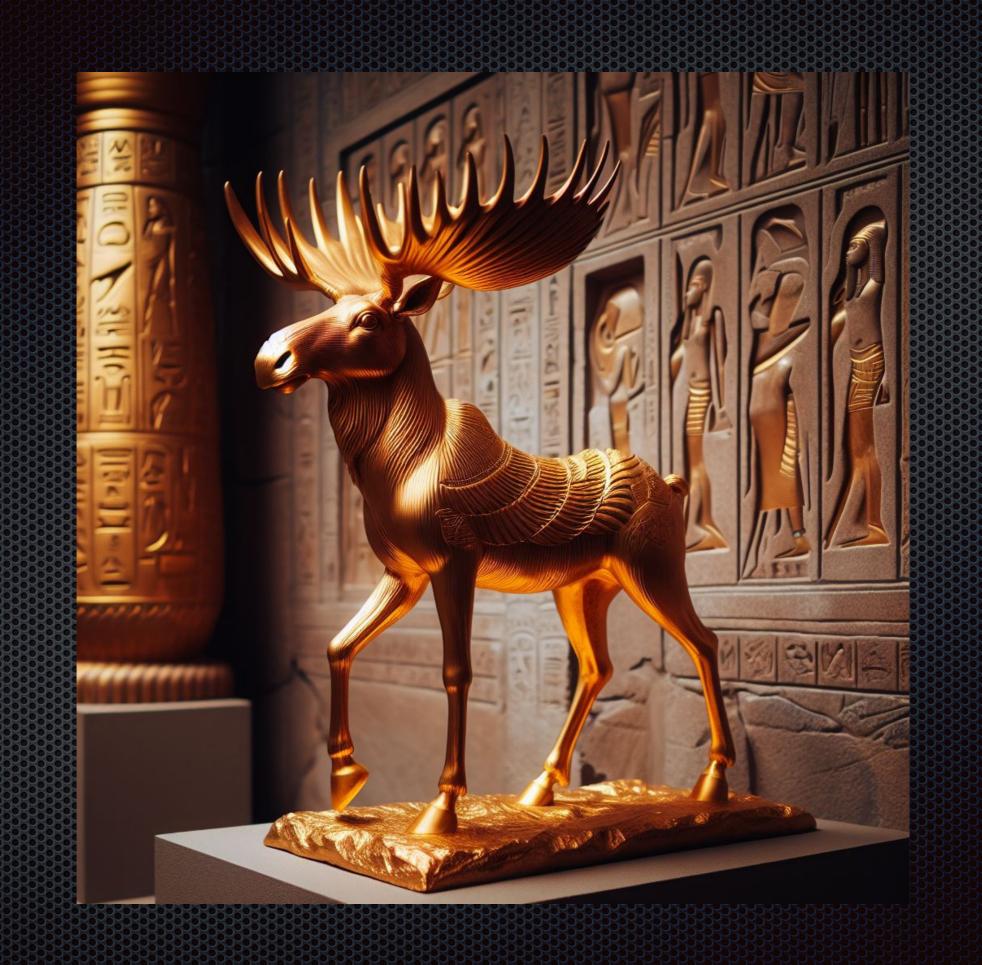
Forbidden

You don't have permission to access this resource.

Additionally, a 403 Forbidden error was encountered

	0000000	000000		0000	102020	252525
IndianaShmoo	.m3u8	out11	1.ts	out1	23.ts	s out
out100.ts		out11	2.ts	out1	24.ts	s out
out101.ts		out11	3.ts	out1	25.ts	s out
out102.ts		out11	4.ts	out1	26.ts	s out
out103.ts						
out104.ts	0000000					
out105.ts	000001	0100	80fc	4814	0112	4606
	000002	0 6553	7672	6369	3065	7731
out106.ts	000003	9 ffff	ffd8	00e0	4a10	4946
out107.ts	0000040	0048	0048	ff00	2ee1	450a
	000005	0 2a49	0800	0000	0700	1200
	000006	0100	0000	1a00	0501	0100
	000007	9 1b00	0501	0100	0000	6a00





Code words are Indiana Jones "locations!"

Marshall College Doom Shanghai Refrigerator

Many teams simply mined our Leaflet server... #smh

Very Special Thanks



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

Special Thanks

- Rob Iger & George Lucas, for not suing us (yet)
- No Starch Press, for donating ebook gift certificates
- Not Just Signs, for super last-minute sign-printing
- Rob & Scott, for mind-twisting steg adventures
- OpenStreetMaps, HostGIS, Leaflet, GeoFabrik, stegpy
- Our SOs & Bosses, for permitting our annual hiatus
- Heidi & Bruce, for tolerating our endless shenanigans
 - And all of the Shmoo staff who play and help us
- You, for playing and providing feedback for 17 years!

shmooganography@gmail.com

Presentation will be available on the contest website soon.

Look for a highlight reel presentation in 2025!