

### 21 teams this year!

As of Noon

#### **Team** Team FDG **Team** Hammer Brothers Team Condude Team MadX **Evan Williams NOPpwnEIP MONKEYTACOS!** Team Coronavirus

#### Stage Prizes:

1: Hammer Brothers

2: FDG

3: FDG

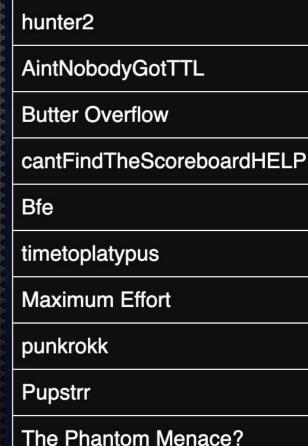
4: FDG

5:



Actively played

Thanks for registering!



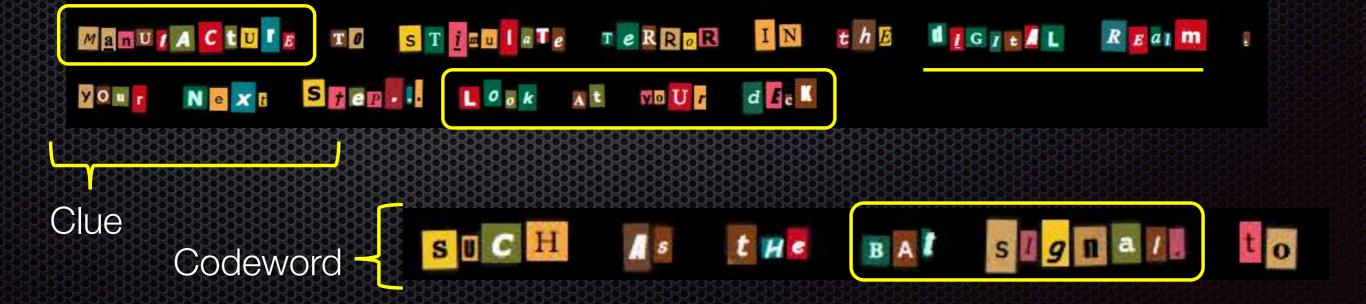
U Shmooze U Lose

CraftyKoalas

**USCGA** 

### Stage 1: Bat Signal Reversible Poem on Website

- Super low-tech: meant to be easy, our clever way of tripping up teams every year
  - Nothing sneaky hidden in the images
  - Simply need to think about the reverse reading of the message between Batman and Joker



## Stage 2: EMPChargeGun Fun with Lights Two Ways

- Four posters throughout the Con area, each a little different
- Each has ASCII encoded in lights on Capitol dome, ordered by lights in Washington Monument
- Illuminate the Bat Signal using a USB cable or wire
  Or use the easel itself

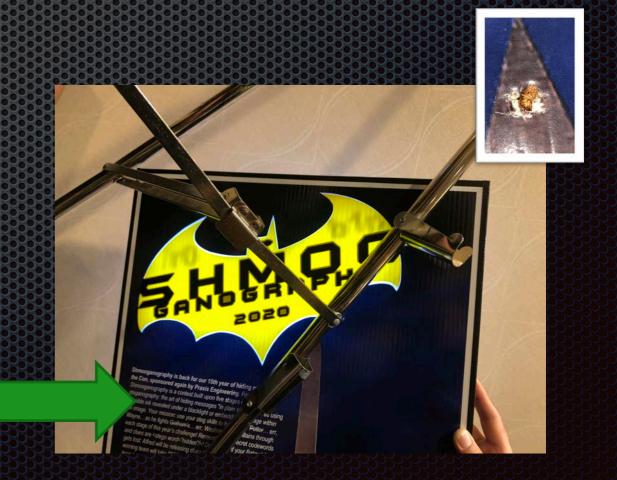
- NOPpwnEIP





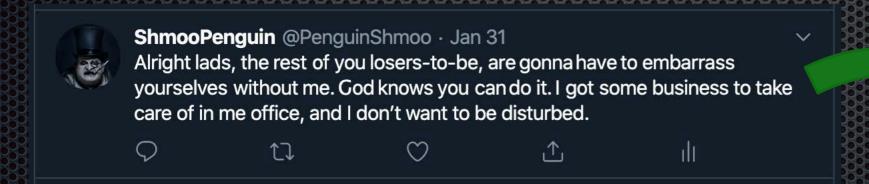






### Stage 3: Batarang Penguin's UNICODE Tweets

- IronGeek posted a technique for embedding hidden information using non-visible UNICODE characters
  - They even give you a tool for free! (LINK)



Copy/paste (or parse it yourself)

Input (output if decoding):

Batarang /two2face

0 Bits to encode

Alright lads, the rest of you losers-to-be, aregonna haveto embarrass yourselves without me. God knows you can do it.l got some business to take care of in me office, and I don't want to be disturbed.

### Stage 4: Bat-Bomb Steg through JPG ICC





- The image of Two-Face was a decoy, cover file was the Con logo
- Process the ICC and extract two images (LINK)





Riddler's Clue for next stage

#### Stage 5: GrapplingGun MP3 Hidden in JPG Sent SMS bot

- Used StegHide to embed a Riddler MP3 with a unique Comment field
- Clue from Stage 4 looked like an IP, but you needed to send an SMS to the number to get the image
  - TextIt.in & Twilio services

91.671.35.123

(916) 713-5123 🗸



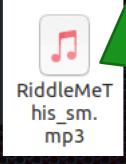
Very well... the Riddler will be sorry to see you helping find Batman!

You know what a trickster the Riddler can be. I hope you can figure it out.



I hope this clue is helpful... he said it's a picture of Master Bruce, but...

I'll wait here ... let me know if you learn anything. Send it over soonest!



Bat-Bomb

Comment:

47726170 706C696E 6747756E

# Code words are all Batman tools & weapons!

Bat Signal EMP Charge Gun Batarang Bat-Bomb Grappling Gun

#### Very Special Thanks

### ) / PRAKIS / ENGINEERING

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

#### Special Thanks

- Batman franchise overlords, for not suing us (yet)
- No Starch Press, for coordinating gift certificates
- Not Just Signs, for super last-minute sign-printing
- Fresh techniques, courtesy of the Interwebs
- Our Wives & Bosses, for permitting our annual hiatus
- Bruce & Heidi, for tolerating our endless shenanigans

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Presentation will be available on the contest website soon.