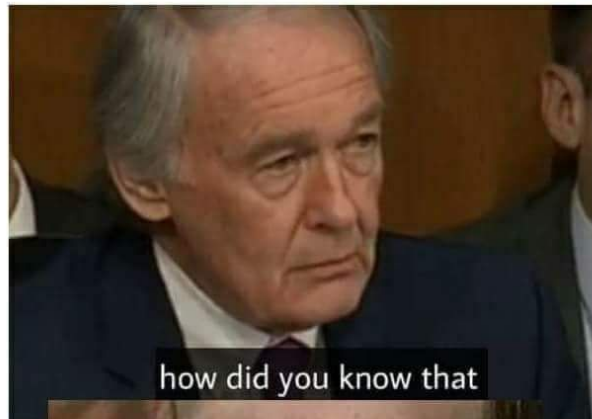# Mason Competitive Cyber

CTF Tools

News since last meeting

- Russia tries to ban Telegram
  - Telegram refusing to give up keys to govt

News since last meeting

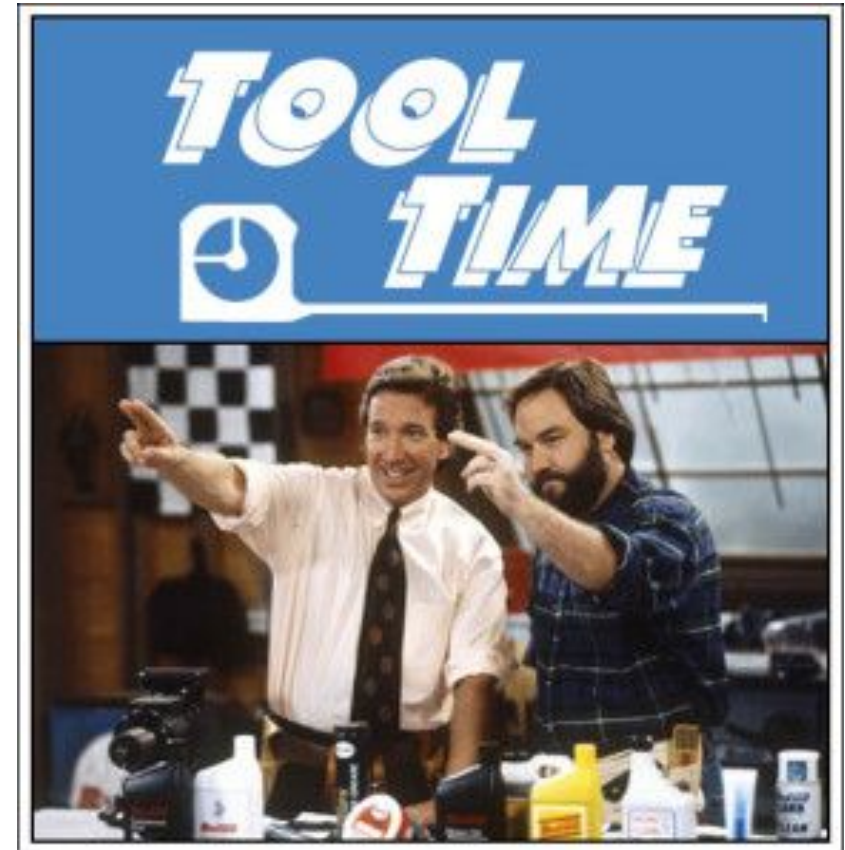# Upcoming Competitions & Events

- UMDCTF
  - Saturday
  - In-person
  - Jeopardy
- STEMCTF
  - Mitre
  - April 20 7pm - April 21 7pm
- cryptoparty.gmu.io
  - April 29th
  - 10:30am-6pm
  - HUB rooms 3,4,5

Tools

- Speed solve easy challenges

- Do work for you

- Reminder: use a package manager

Steganography

- Stegsolve
    - Filters
- Foremost, binwalk
- Gimp
- Openstego, steghide, stepic

Forensics

- Wireshark - network traffic analysis

- Foremost - file carving

- Binwalk - file carving

- Volatility - memory analysis

- Exiftool - View photo exif data (metadata

- NetworkMiner - network traffic analysis

- Hex editor

Attack

- Nmap
- Metasploit
- Aircrack -ng
- Wifite
- Pwntools

Brute Forcers

- Hashcat
- John the Ripper
- fcrackzip

- dirbuster

Cryptography

- rumkin.com/tools/cipher

- XORtool

- RSAtool

- ciphertool

Recon

- Tor
- Youtube-dl
- Google dorks

Practical Exercises

- go.gmu.edu/cctraining
  - Tools_challenges.zip

- tctf.competitivecyber.club

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