
LOCKSPORT
COMPETITIONS
Go for the Gold in the Olympics of Locks

Agenda

- Matt?
- Lock*sport*?
- Types of Competitions
- Where We Compete



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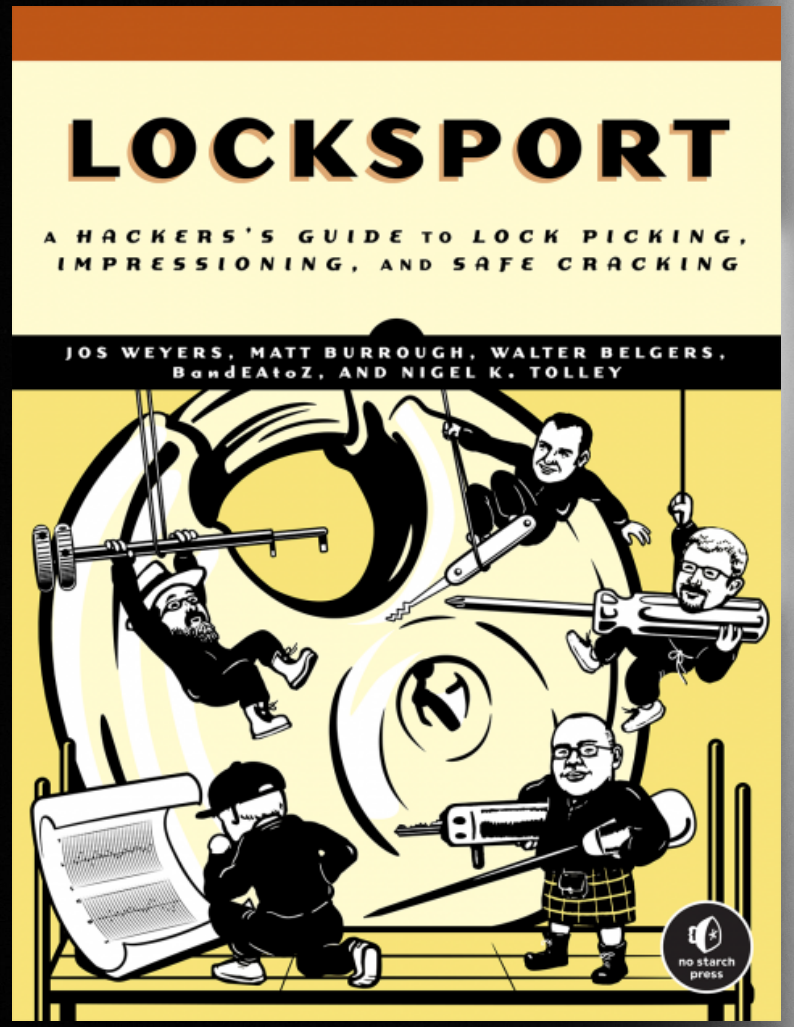
```
Get-ADUser -Identity MattBurrough
 -SearchBase "DC=burrough,DC=org"
```

- Red Team Manager
- Seattle Locksport Co-Organizer
- Author of Locksport (2024, No Starch Press) & Pentesting Azure Applications (2018, No Starch Press)
- Competed at various lock competitions around the world since 2016



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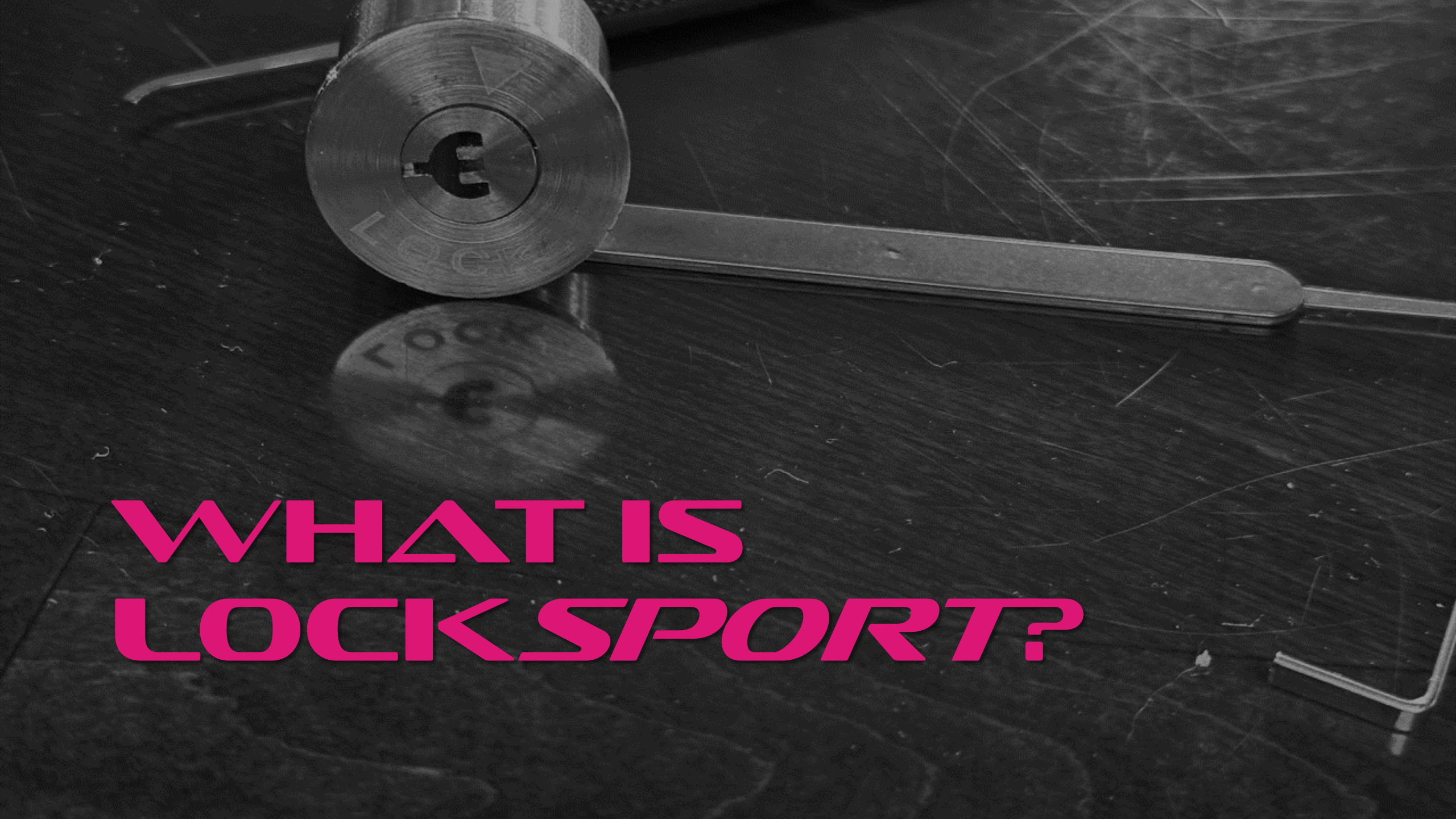

WHAT IS
LOCKSPORT?

Definition

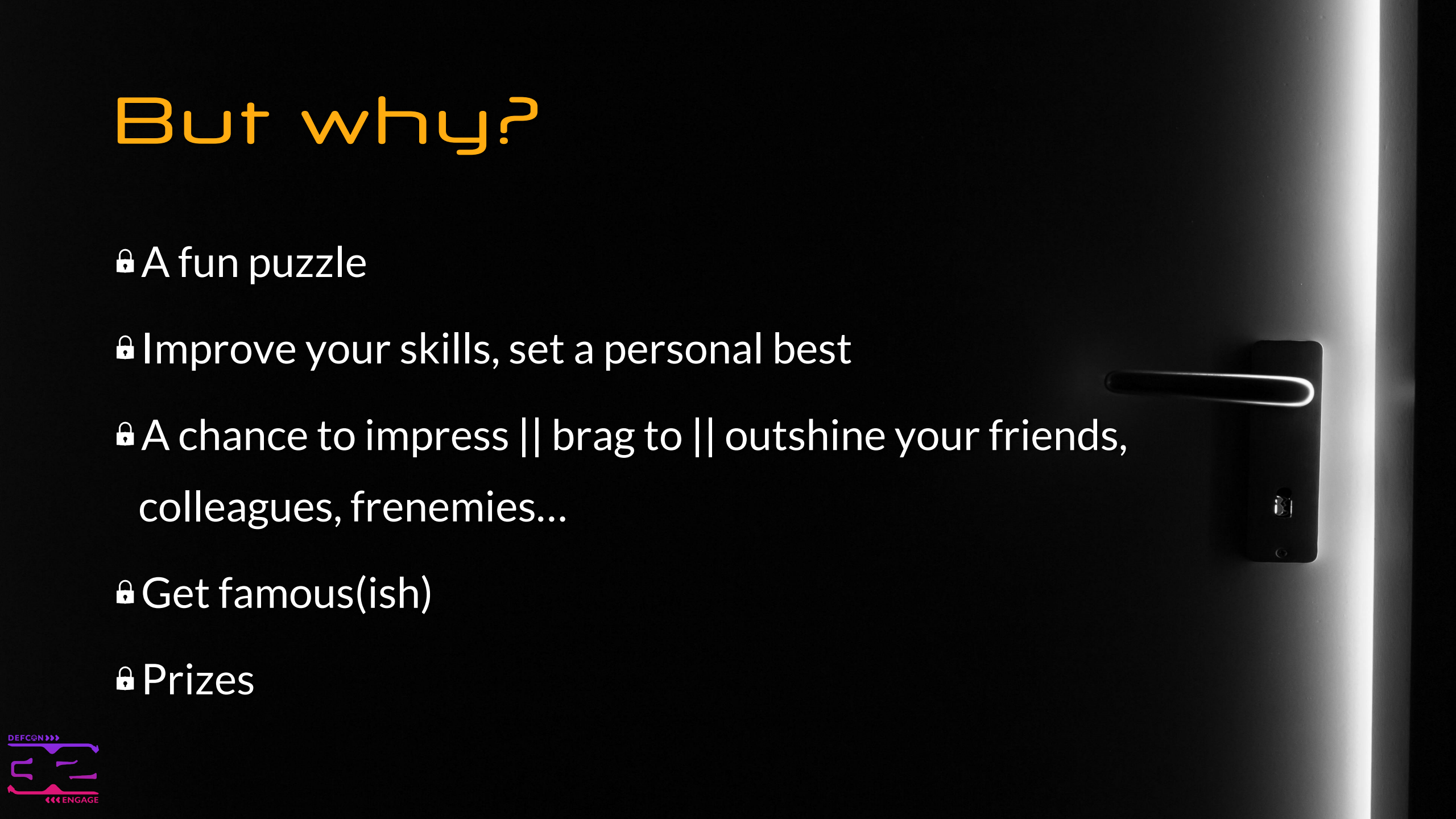
Locksport is the nondestructive opening of locks in ways the manufacturer never intended.

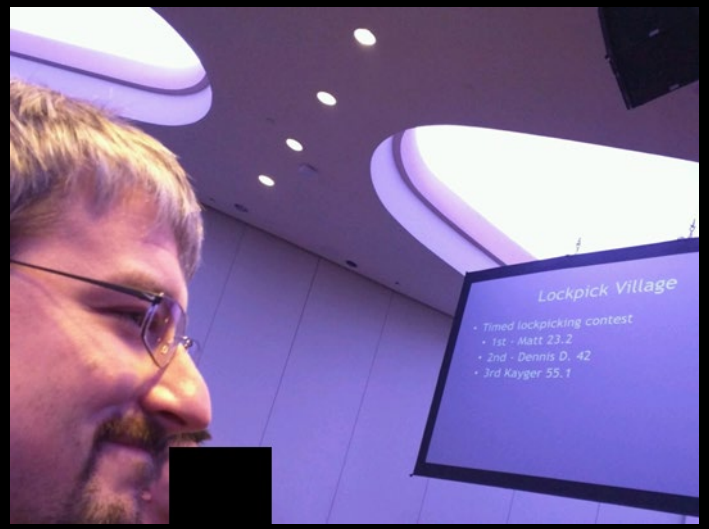
We use this term to describe both the hobby of opening locks and the competitions to see who can do so the fastest.



But why?

- A fun puzzle
- Improve your skills, set a personal best
- A chance to impress || brag to || outshine your friends, colleagues, frenemies…
- Get famous(ish)
- Prizes













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History

- Locksmiths have likely been competing forever
- 1960's – early '90s: TMRC, Complete Guide to Lockpicking, MIT Guide to Lockpicking
- 1997: SSDeV formed by CCC members after HOPE
- 1998: Dutch NVHS → TOOOL NL (2002)
- 2002: First LockCon in NL
- 2006: TOOOL US at HOPE



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WHAT KINDS OF COMPETITIONS ARE THERE?

Lock Picking

- Timed pin-tumbler lock picking
- Usually at a shared table – each person at the table has 5 minutes per lock
- After time is up, pass the lock and try the next
- Person to open the most (or best time if a tie) goes to the finals




ESEC


MARV
WAS
HERE

Impressioning



- The art of making a key without knowing what key the lock expects
- Steps:

1. Insert key blank into lock
2. Rotate & jiggle it
3. Remove key & look for marks under magnification
4. File those marks
5. GOTO 1



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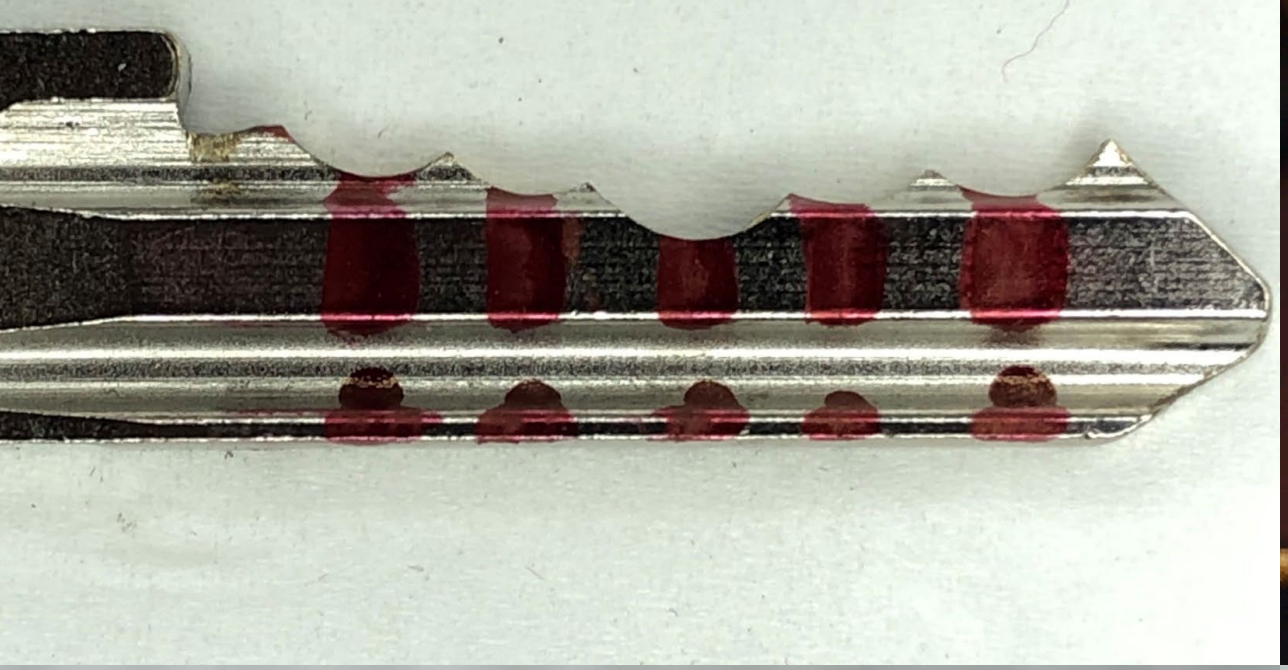



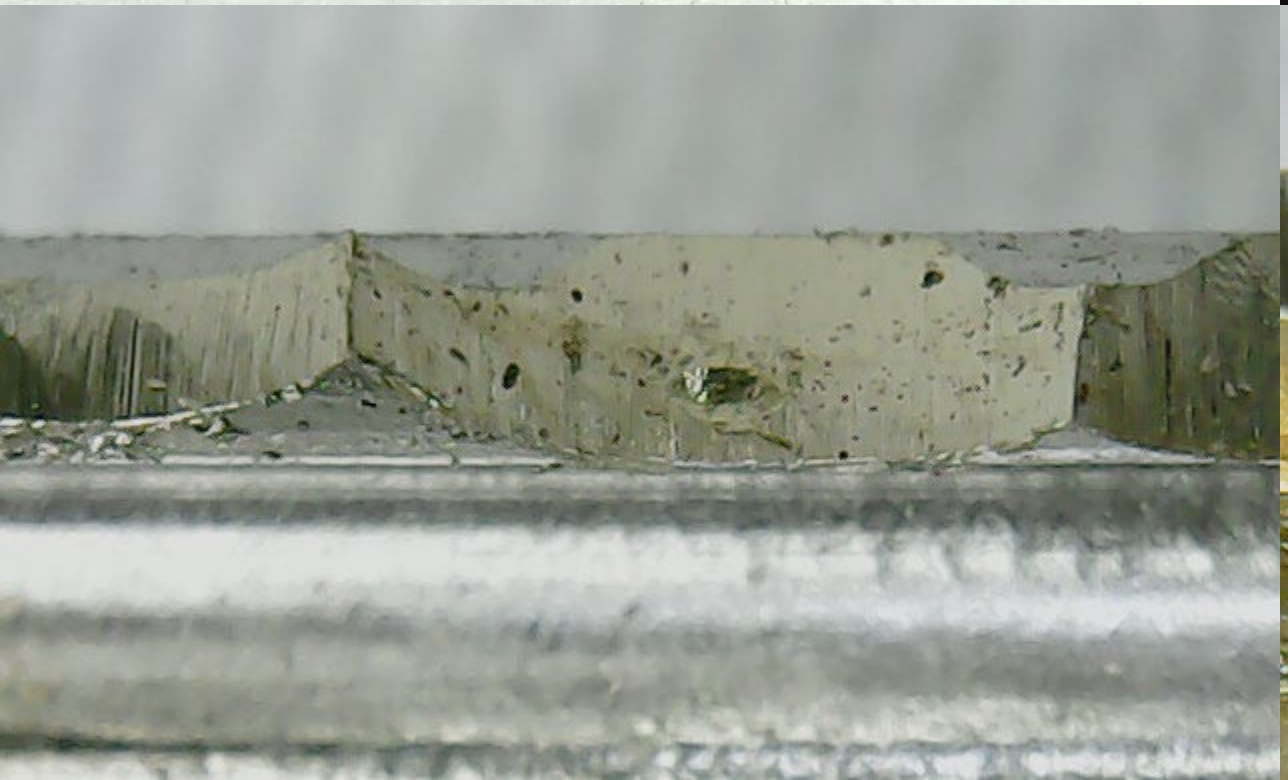



Safe Manipulation

- Open a manual safe lock using:
  - Sight
  - Feel
  - Meticulous graphing
- Competitions are usually on UL Group 2 locks:
  - S&G 6730
  - LaGard 3300
  - Big Red CDL-3



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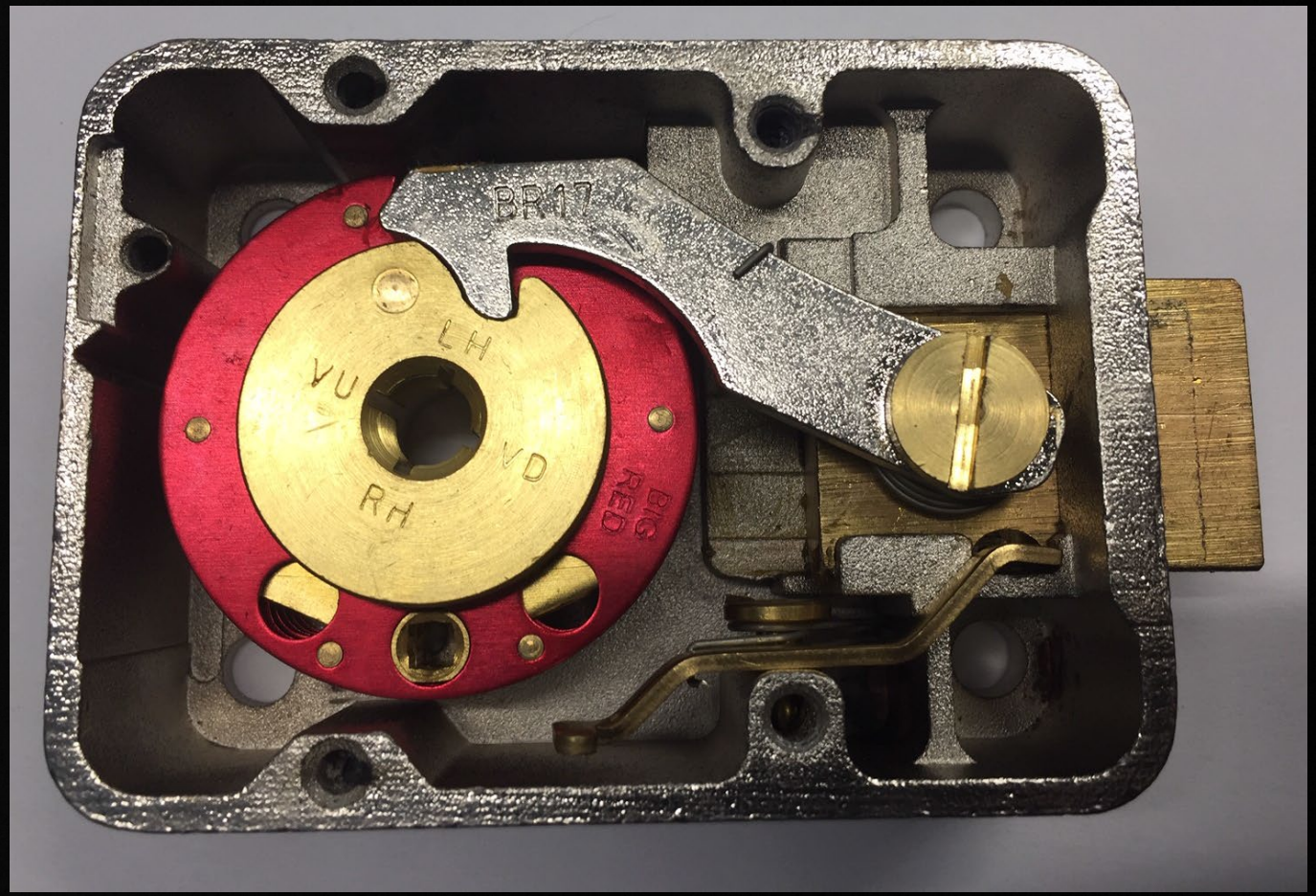

BR17
LH
VU
VD
RH
RED


BR17
VU
LH

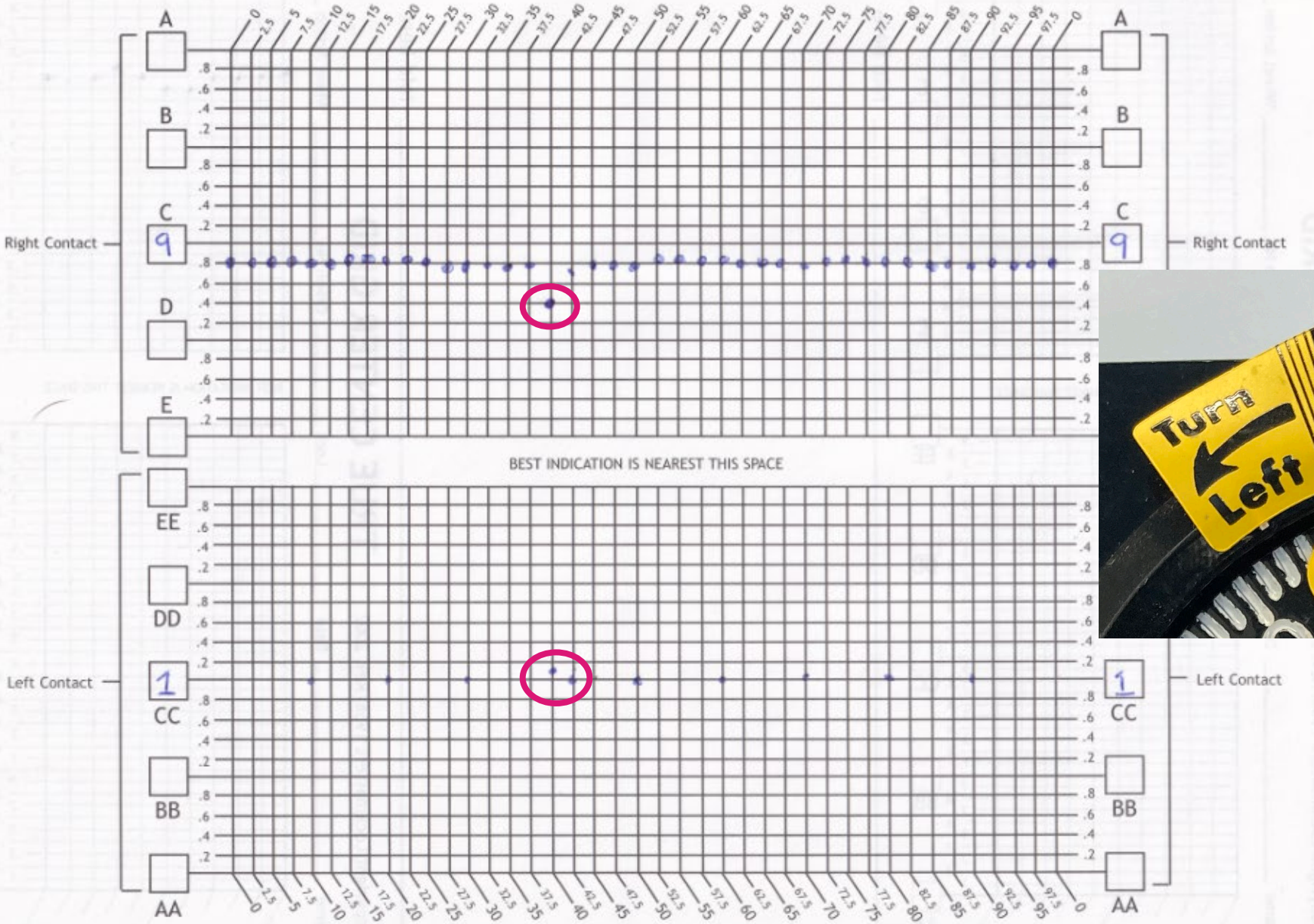

BR17
LH

Lockmasters Security Institute

Copyright Lockmasters 1956/Rev. 2002

COMBINATION LOCK GRAPH

ame _____ Date _____ Lock LG Graph No. _____ Wheel Action AWR





Lever Lock Picking



- Like regular lock picking, but for lever locks
- Often tools are provided as they are more specialized & somewhat lock-model-specific
- Often only picking 1-2 locks

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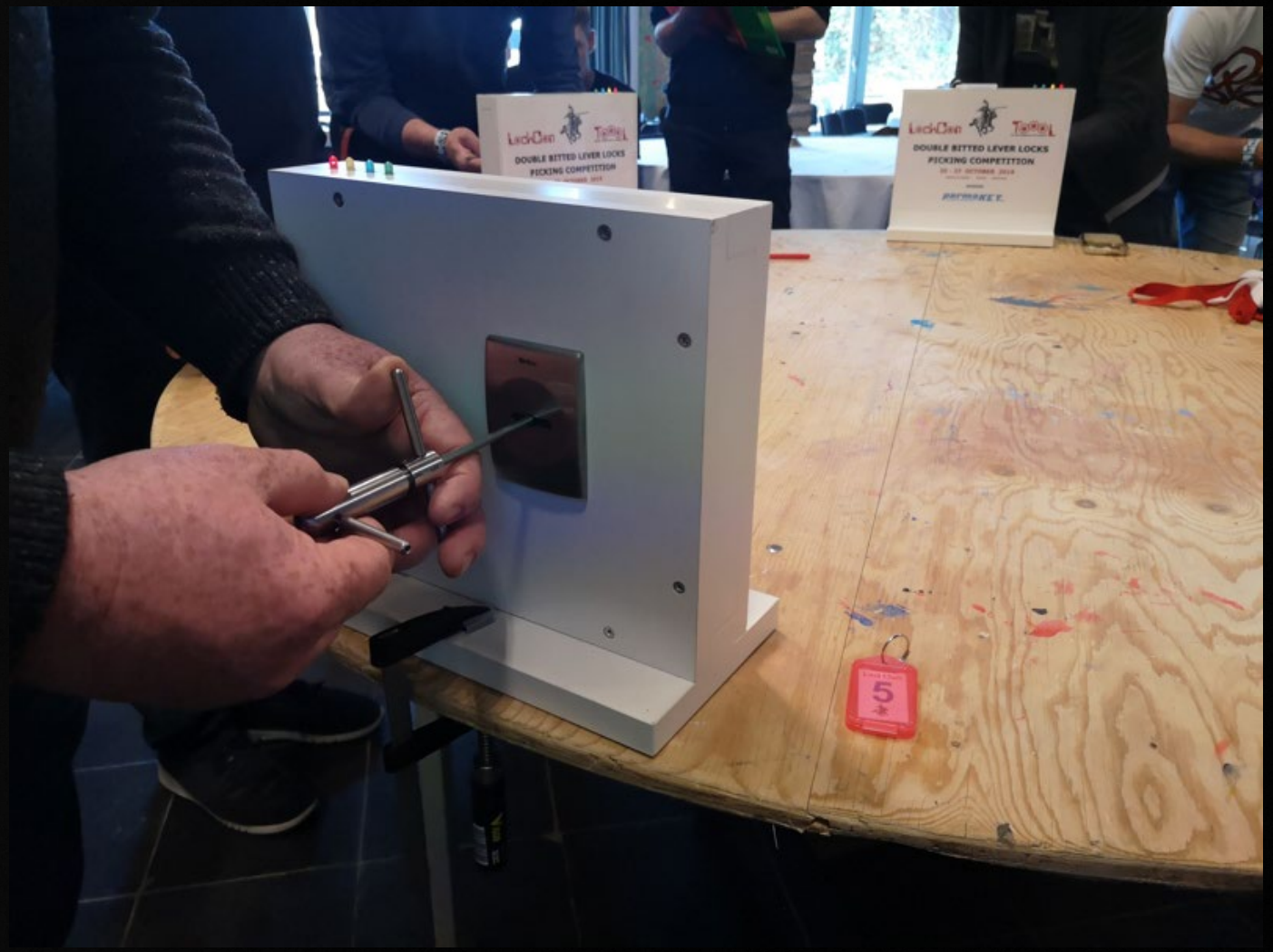

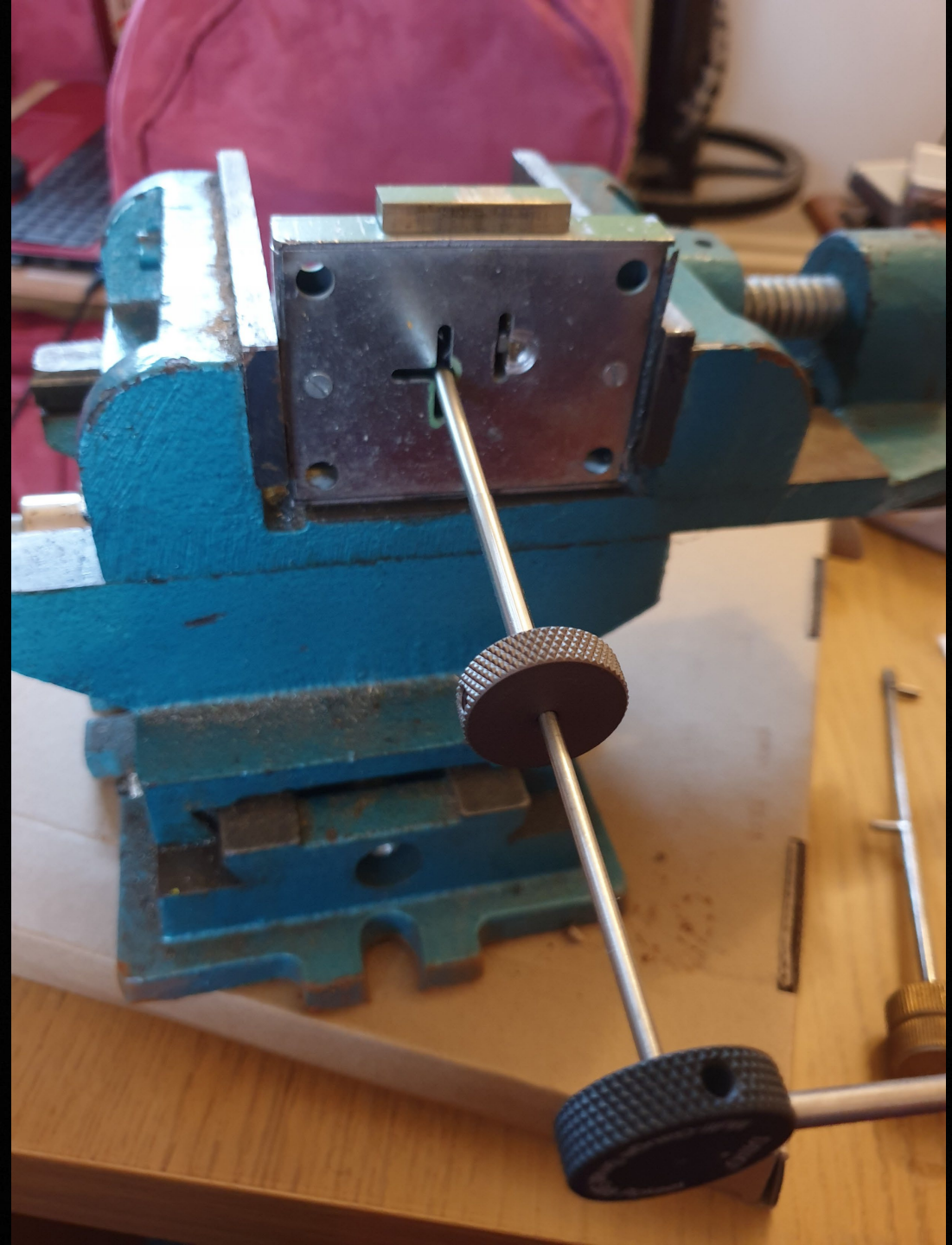

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Other Wacky Events

- Pic Tac Toe
- “Prison” Escapes
- Forensics Challenges
- Freestyle
- Key Photo Duplication
- Box-of-Locks Battle



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WHERE DO YOU
COMPETE?

LockCon, Netherlands

- *The* place to be if you want to compete: the Dutch Open
- Capped around 100 people
- 3 days in October
- Great speakers, competitors
- Includes lock picking, impressioning, and lever lock picking championships. Safe manipulation may be added this year









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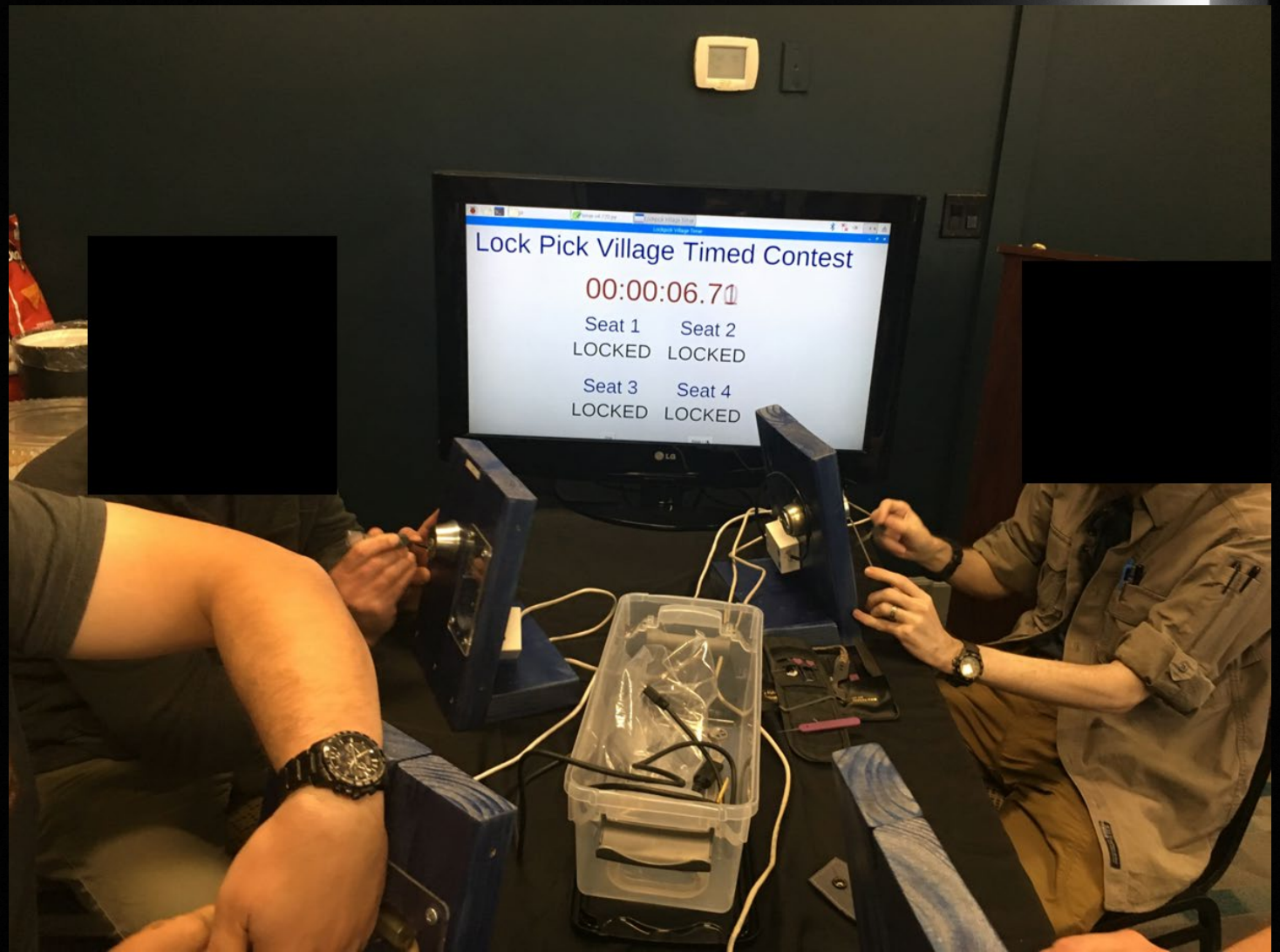
LockFest, USA

- Held by TOOOL US
- Usually in May
- Often in Seattle, has also been in Kentucky
- 2–3-day weekend of talks, competitions:
  - Picking
  - Impressioning
  - Safe manipulation
- About 60 attendees



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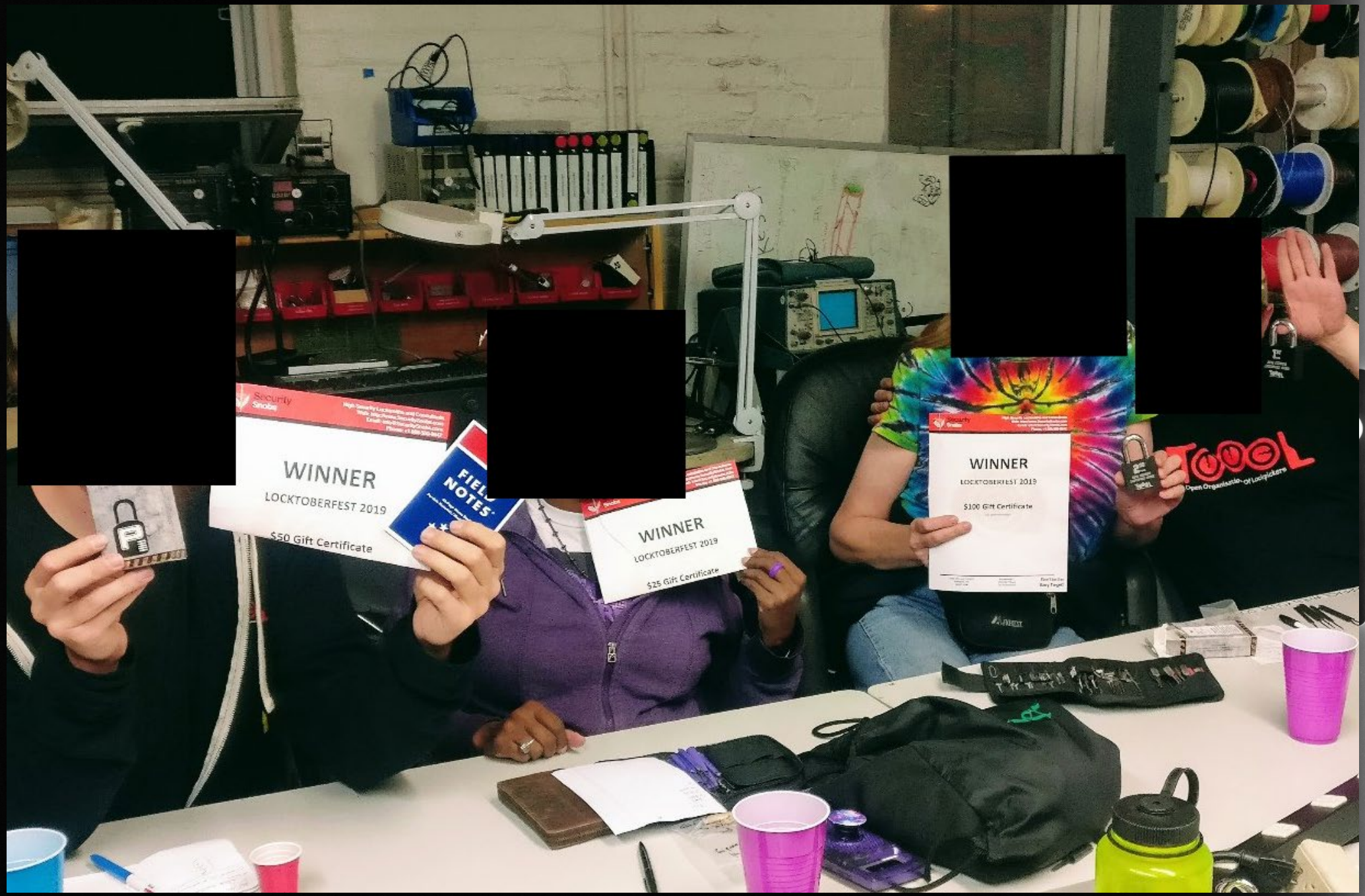
Locktoberfest, Chicago

- Annual event in Chicago
- Held in October
- Includes picking competition, brats, beer, and talks
- Sometimes has other competitions: handcuffs, briefcases…



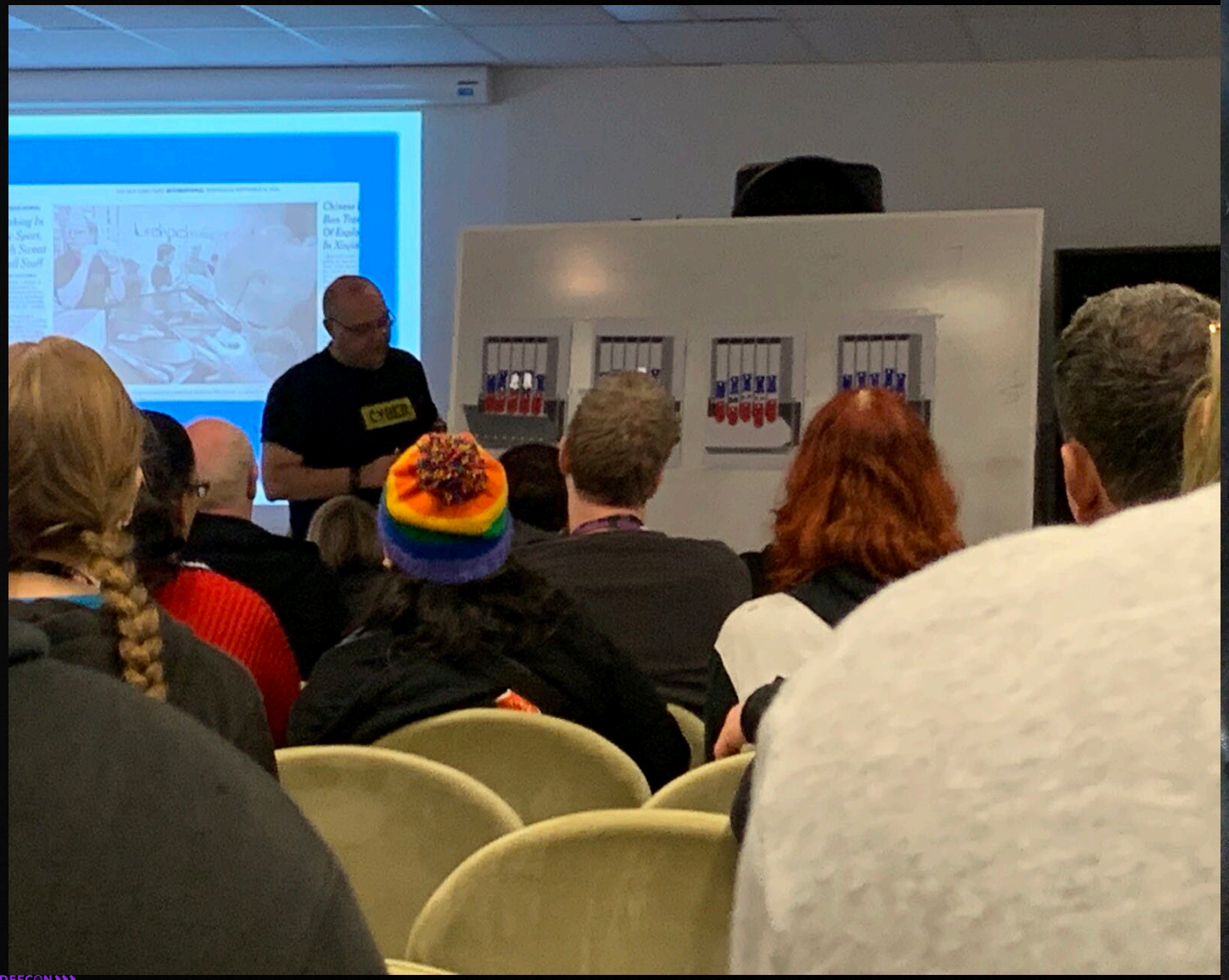

WINNER
LOCKTOBERFEST 2019
$50 Gift Certificate
WINNER
LOCKTOBERFEST 2019
$25 Gift Certificate
WINNER
LOCKTOBERFEST 2019
$100 Gift Certificate
TOOL

OzSecCon, Australia



- Melbourne physical security conference
- On hiatus for now, usually in June
- Lots of talks, workshops, contests
- Had competitions in picking, tamper evident bypass, master keying






ABLOY DISKLOCK
ABLOY DISKLOCK
ABLOY DISKLOCK
CLASSIC
SENTRY
CLASSIC

Czech Lockpicking Championship

- April 2024 was their 12th annual competition
- Held at Orlik Marina, 100km from Prague
- 90 attendee limit



FAB ASSA ABLOY
EVVA access to security
LOCKSMITH.CZ PROFESSIONAL UNLOCKING TOOLS
TOKOZ
WENDT
ELECTRONIC KEY ADBAR
Multipick
POHODASALON.CZ

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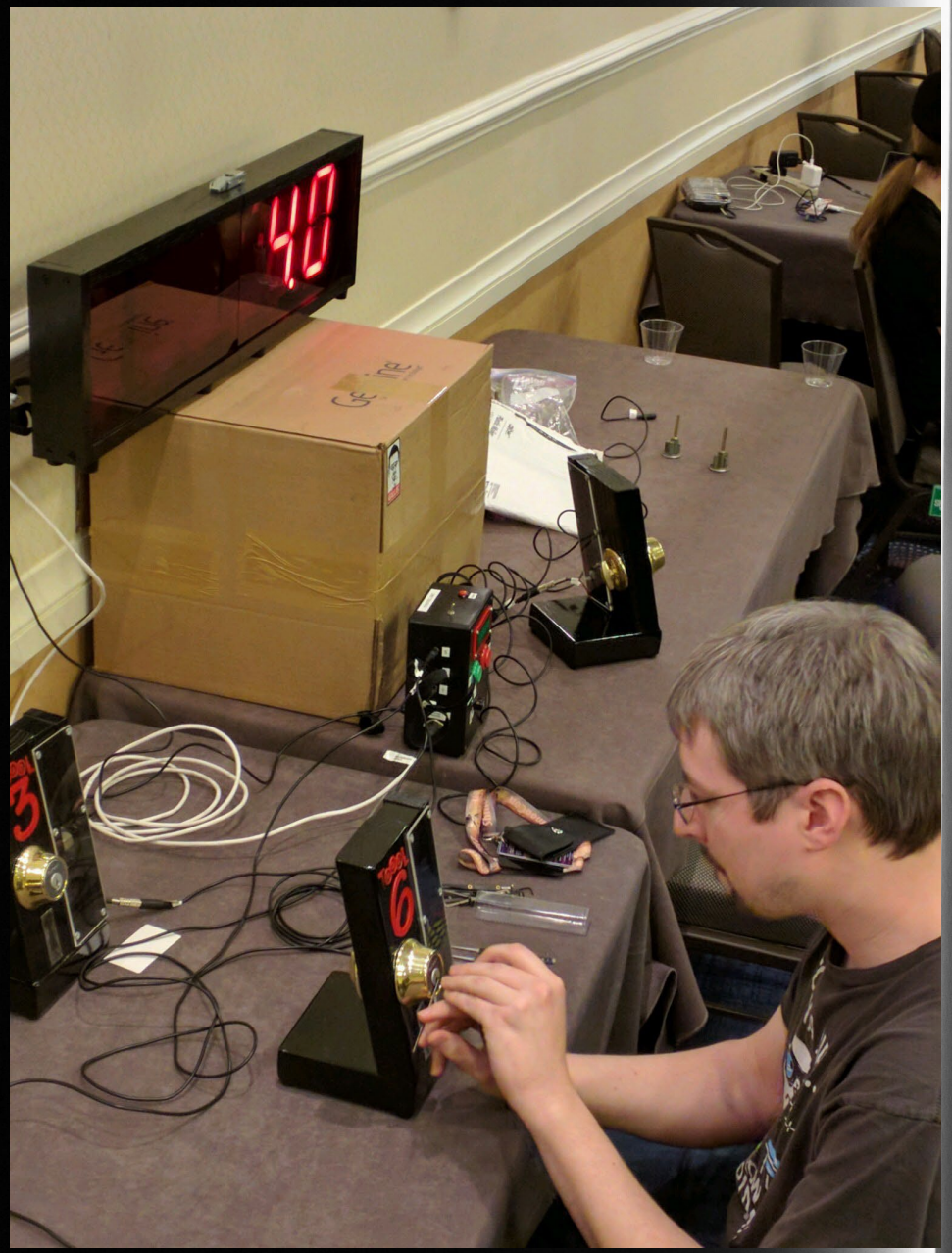
Hacker Cons

- DEFCON
- HOPE
- SHMOOCON
- CCC
- EMF
- Bsides *
- HackerHotel



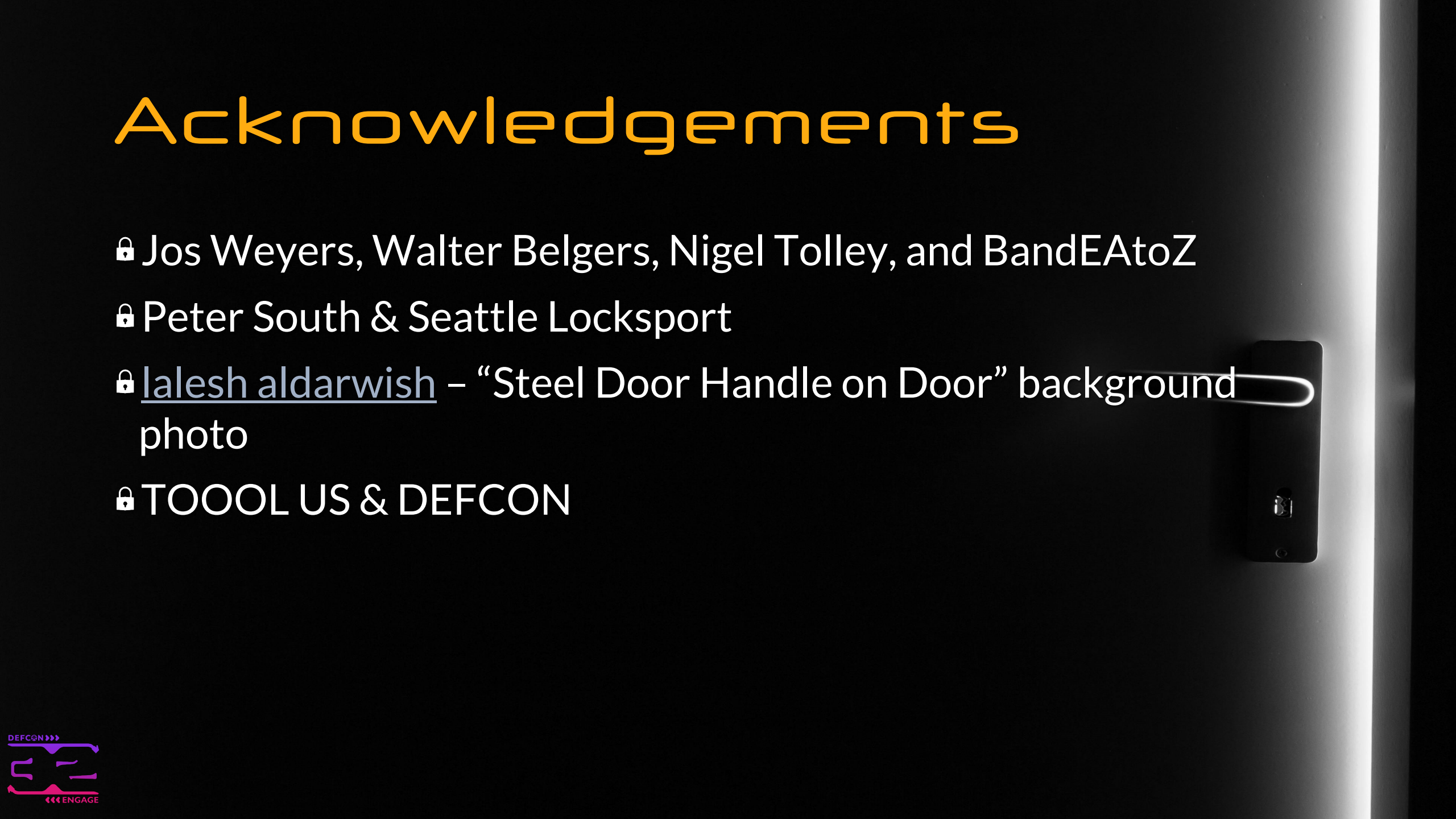
Locksmith / Safetech Cons





Acknowledgements

- Jos Weyers, Walter Belgers, Nigel Tolley, and BandEAtoZ
- Peter South & Seattle Locksport
- Ialesh aldarwish – “Steel Door Handle on Door” background photo
- TOOOL US & DEFCON



Thanks!

Get in Touch:

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