TODD MCDANIEL
MAC GROUP, CLIENT PLATFORM SERVICES, MARRIOTT LIBRARY

WHAT'S NEW?

J. Willard Marriott Library
THE UNIVERSITY OF UTAH

50 YEARS ALL U NEED

IMAC BEGAN SHIPPING 21 YEARS AGO

▸ August 15, 1998

▸ 233 MHz Power PC G3
32 MB (384 MB)
1024x768 display
10/100 BASE-T
56k modem
2x USB
Mac OS 8.1 (Mac OS X10.3.9)
$1299

NON-APPLE AIRPOWER FOR SALE AT APPLE

▸ http://www.mophie.com/shop/3-in-1-wireless-charging-pad-apple-2019

▸ $139

▸ https://arstechnica.com/gadgets/2019/08/apple-is-now-selling-the-airpower-basically-only-its-not-made-by-apple/

FAA BANS RECALLED MACBOOK PROS

▸ https://www.bloomberg.com/news/articles/2019-08-13/u-s-regulator-bans-recalled-apple-laptops-from-flights

▸ https://lifehacker.com/how-to-tell-if-the-faa-has-banned-your-macbook-pro-from-1837236837

▸ Follows European ban
https://www.easa.europa.eu/newsroom-and-events/news/safety-precautions-regarding-transport-air-recalled-portable-electronic

USB–C DIGITAL AV MULTIPORT ADAPTER UPDATED

▸ https://arstechnica.com/gadgets/2019/08/apple-updates-multiport-adapter-with-support-for-4k-hdr-video/

▸ https://www.apple.com/shop/product/MUF82AM/A/usb-c-digital-av-multiport-adapter?afid=p239%7C1305166&cid=aos-us-aff-ir

▸ Supports HDMI 2.0 (4K 3840x2160) on supported machines

APPLE CARD'S ARRIVING

▸ https://www.theverge.com/2019/8/6/20756048/apple-card-availability-sign-up-cancel-apr-iphone-goldman-sachs

▸ https://www.macrumors.com/guide/apple-card/

▸ Can't export data

▸ Difficulty paying if you lose your iPhone

IPHONE BATTERY LOCKING

▸ https://www.ifixit.com/News/apple-is-locking-batteries-to-iphones-now

▸ "Only Apple batteries and only Apple can install them"

▸ iPhone XR, XS, XS Max only? For now?

▸ https://youtu.be/4nGnAdtTDCw

ORKA

▸ https://www.macstadium.com/orka

▸ **Or**chestration with **K**ubernetes on **A**pple

▸ "Containerized version of MacOS on Mac hardware"

▸ "Proprietary"

▸ https://youtu.be/fLOyxDV8Auk

IOS 12.4 REENABLES VULNERABILITY

▸ https://www.vice.com/en_us/article/qvgp77/hacker-releases-first-public-iphone-jailbreak-in-years

▸ https://github.com/pwn20wndstuff/Undecimus/releases

▸ Allowed jailbreak prior to 12.3, when it was fixed the first time

▸ Expect 12.4.1 soon…

CAPITAL ONE BREACH

▸ 106 million individuals affected (100m in US, 6m in Canada)

▸ "Personal information taken included names, incomes, dates of birth, addresses, phone numbers, and email addresses. Social security numbers for 140,000 people were also obtained, and about 80,000 bank account numbers were accessed."

▸ https://www.capitalone.com/facts2019/

▸ Former Amazon employee implicated, over 30 other companies attacked

KNOB BLUETOOTH FLAW

▸ Key Negotiation of Bluetooth (KNOB)

▸ https://knobattack.com/

▸ MITM attack forces devices to negotiate a 1-byte encryption key, allowing realtime brute forcing of traffic

▸ Patched in macOS 10.14.6, Security Update 2019-004 Sierra/High Sierra, iOS 12.4, watchOS 5.3, tvOS 12.4

DEF CON/BLACKHAT

APPLE UPDATES BUG BOUNTY PROGRAM

▸ https://appleinsider.com/articles/19/08/08/apple-offers-up-to-1m-in-expanded-bug-bounty-program-for-ios-macos

▸ Apple providing devices to some researchers

▸ Zero touch kernel code execution with persistence == $1 million
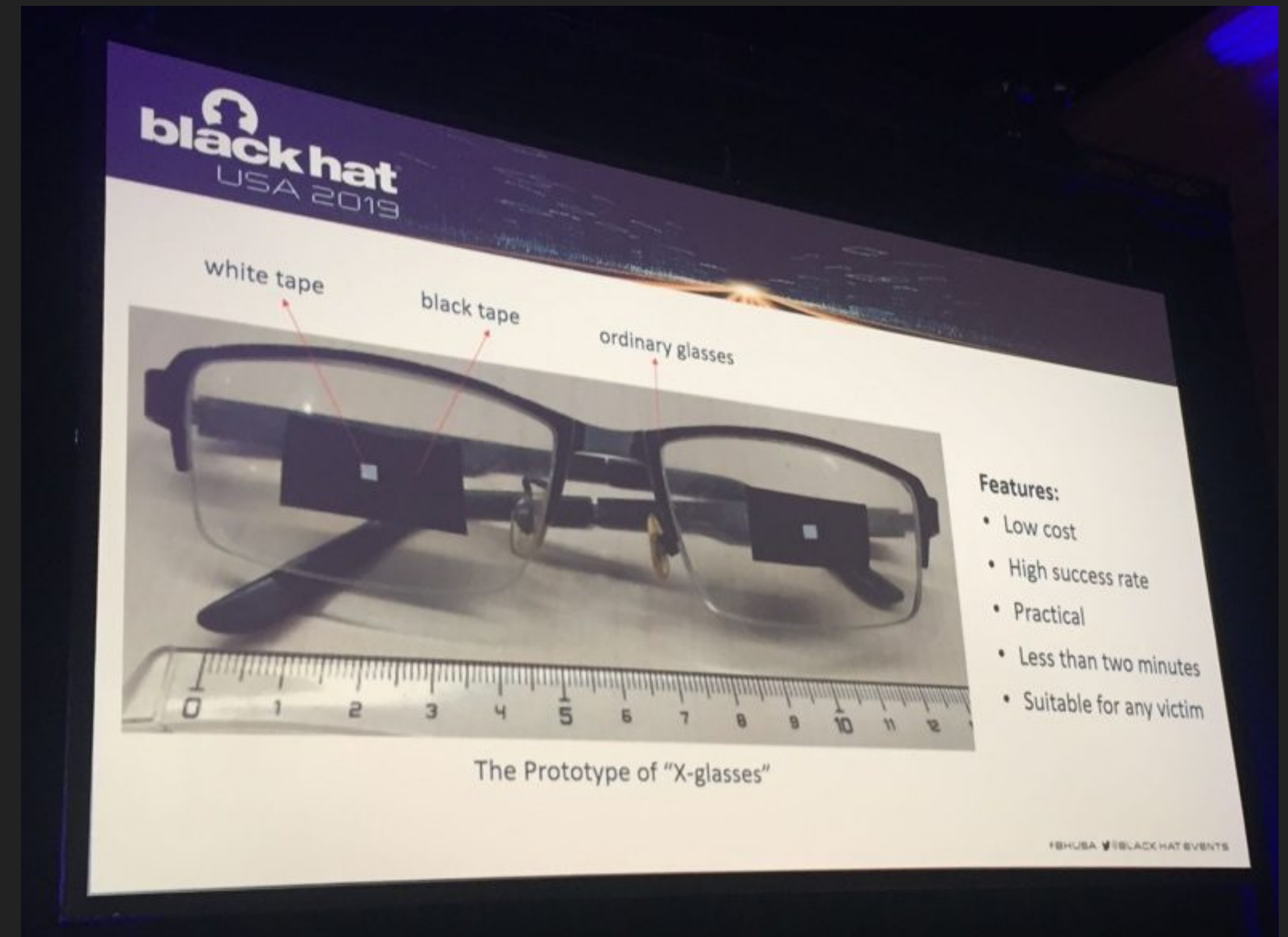
▸ Bugs in prerelease OS's will receive 50% bonus

O.MG THUNDERBOLT CABLES

▸ Allows wireless access to device while connected

▸ https://www.vice.com/en_us/article/evj4qw/these-iphone-lightning-cables-will-hack-your-computer

▸ https://mg.lol/blog/omg-cable/

FACEID BYPASSED BY CLARK KENT'S DISGUISE

▸ https://threatpost.com/researchers-
bypass-apple-faceid-using-biometrics-
achilles-heel/147109/

▸ The glasses, placed on an sleeping or
unconscious victim, allows iPhone to be
unlocked…

CONTACTS VULNERABILITY

▸ https://research.checkpoint.com/select-code_execution-from-using-sqlite/

▸ https://appleinsider.com/articles/19/08/10/apples-ios-contacts-app-claimed-to-be-vulnerable-to-sqlite-hack

CARS

- https://www.autoblog.com/2019/08/12/automakers-hacker-convention/

- https://arstechnica.com/cars/2019/08/wiseguy-changes-license-plate-to-null-gets-12k-in-parking-tickets/

- https://www.wired.com/story/tesla-surveillance-detection-scout

CAMERAS

▸ https://research.checkpoint.com/say-cheese-ransomware-ing-a-dslr-camera/

AIRPLANES, OH MY!

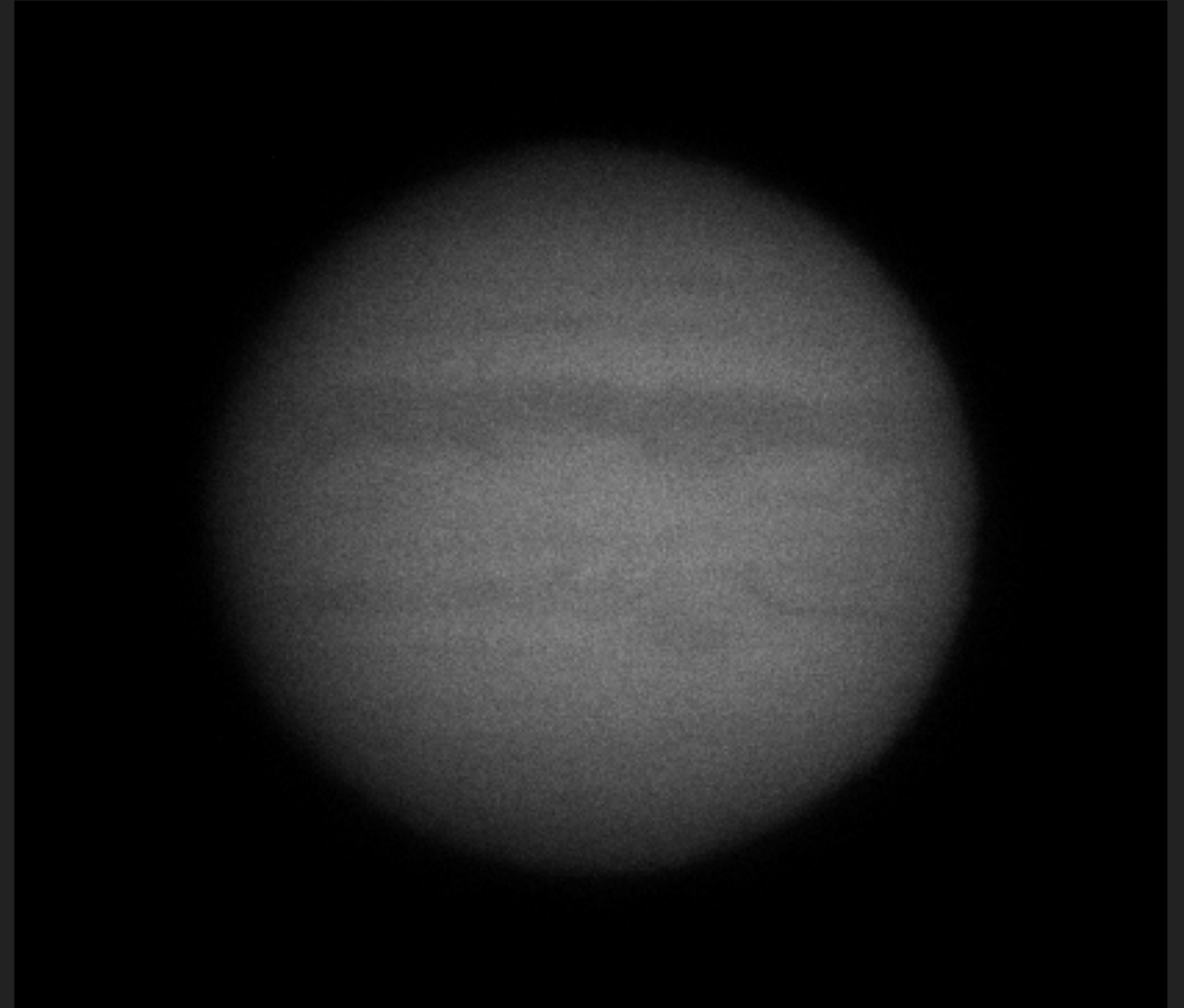▸ https://arstechnica.com/information-technology/2019/08/a-boeing-code-leak-exposes-security-flaws-deep-in-a-787s-guts/

MEANWHILE, ON JUPITER...

▸ https://www.skyandtelescope.com/astronomy-blogs/explore-night-bob-king/texas-amateur-detects-possible-impact-on-jupiter/

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10/23/89

GENERAL MAGIC

INSIDE EVERY POCKET THERE'S A LITTLE PIECE OF MAGIC

TRIBECA FILM FESTIVAL
2018

SPELLBOUND PRODUCTIONS AND SILVA SCREEN PRESENT A "GENERAL MAGIC" SARAH KERRUISH & MATT MAUDE FILM
WRITTEN BY SARAH KERRUISH, JONATHAN KEY & MATT MAUDE CO-PRODUCERS TEE CARTIETE, CEROWEN TALLET & CLAIRE FERGUSON MUSIC BY BENJI MERRISON
DIRECTORS OF PHOTOGRAPHY MATT MAUDE & JAY MAUDE EDITED BY CLAIRE FERGUSON & ANNA MELLER EXECUTIVE PRODUCERS MICHAEL STERN, REYNOLD D'SILVA & JOHN GIANNANDREA
DIRECTED & PRODUCED BY SARAH KERRUISH AND MATT MAUDE

Desk   Monday, June 17, 1996   Hallway

In: 1   Out: 1

'96

COMMENTS, QUESTIONS?