

## 1 **WHAT'S NEW IN TECHNOLOGY 2018**

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## 2 **WHAT IS BEING COVERED – “DISCLAIMER”**

- Not covering everything...in 60 minutes!
- Time saving devices: Hardware & Software
  - Security Issues
  - Dangers of using outdated technology
  - Loss of productivity using & fixing old tools
- New apps for your family history

## 3 **COMPETITION IS NEEDED!**

- Steve Jobs, "When I was a kid in the late 1990s, most everyone I knew had a Windows 95 PC"
- The 'Mac vs. PC' thing is over & 'Android vs. iPhone'
- The operating system wars are over
- BOTH FILL a niche (from Business Insider)
- Market Share Numbers:
  - Windows 89% with 600 million users
  - Mac 8% with 100 millions users
  - Linux 2%

## 4 **TRANSFORMATION ON FAMILY RESEARCH - VIDEO**

## 5 **WARNING! WE DON'T NEED 100 YEARS OF EXPERIENCE**

- One summer's worth of full time training with Office 365, will speed up your research results with the pros in a year or two.
- Learn One Ribbon – Same for: Word, Excel, PowerPoint, Outlook, etc., exceeds comfort zone
- DNA tools will explode your research by 10X
- Hardware and software changes yearly
- This presentation is not an ad or sponsored

## 6 **IMAGE COMPOSITE EDITOR 2.0 STITCHING PROGRAM**

- Stitch multiple scans into one large chart
- Make sure there is overlap from scan to scan
- Free download: <https://www.microsoft.com/en-us/research/product/computational-photography-applications/image-composite-editor/>

## 7 **STUDIES SHOW: THE LARGER THE MONITOR - GREATER THE PRODUCTIVITY**

- LG 32" - \$370
- Dell 32" - \$150 - \$200
- LG 34" - \$600
- LG 43" - \$550
- CHECK GRAPHIC CARD & Resolution before purchase

## 8 **LARGE SCREENS**

- Holiday Presentations – use your large screen!

- 2018 Olympics shot in 4K
- 2020 Olympics will be shot in 8K by NHK
  - 8K first demonstrated in 2012

#### 9 **SECURITY PROGRAMS RECOMMENDATIONS**

- First Report: Seven critical security found, 6 from Adobe!
- Updates for Adobe Shockwave, Java 8, Windows Live not needed if you have Windows 10
- Assessment of your applications and hardware with Belarc Advisor:
- [http://www.belarc.com/en/products\\_belarc\\_advisor](http://www.belarc.com/en/products_belarc_advisor)

Tune-up Procedure:

- Delete Unnecessary Apps
- Update Your Software
- Check Your Privacy Settings

#### 10 **SCAN ENTIRE PAGE WHEN TIME IS LIMITED**

- Great photo editing programs
  - Nikon "Capture NX2" now owned by DxO, assets from Google (NIK Software)
    - New release in mid - 2018
  - Adobe Photoshop Elements
- Scan full page at 600 DPI
- Use Black/White Filters on yellow print
- Straightening Features for titled scans
- Cropping to edit the noise out
- If the page is too big, scan twice then stitch

#### 11 **BUILD YOUR OWN DATABASE/SPREADSHEET – USING FILE EXPLORER & METADATA FIELDS**

- "Last Name or Maiden Name", First Name (space) "Year of Event" (space) "Type of Record", i.e., Birth, Wed, Obit.
- Add columns "Tags", "Subject", "Comments" to your File Explorer.
- I.E., RootsMagic could make it easier to add your own notes into the "Tags", "Subject" and other fields.
- Combined 31 folders into 1 Master folder by using this new indexing system!

#### 12 **VIDEO CAPTURE DEVICE**

- VHS to Hard Drive
- Instead of spending \$20 for each VHS tape, use Dazzle DVD Recorder HD for \$60 and finish 100 VHS Tapes saving \$1,940.
- Pinnaclesys.com

#### 13 **VLC MEDIA PLAYER**

- VLC is free & open source cross-platform multimedia player that plays most multimedia files as well as DVDs, Audio CDs, VCDs, and various streaming protocols.
- [www.videolan.org](http://www.videolan.org)
- Runs on all platforms - Windows, Linux, Mac OS X, Unix, iOS, Android ...

#### 14 **DIGITAL VOICE ASSISTANT – "DVA" BOOM 2018**

- DVAs will double in sales in 2018 & Giving Smartphones run for their money

- Apple's Siri – Introduced in 2011 – Launch HomePod - \$350
- Google Home in 2016 – Home Max \$400
- Amazon's Alexa – 2015 – Top seller in 2017 – Echo for \$100
- Sonos One at \$200
- Microsoft's integration between Cortana and Alexa
- Future -Voice Recognition Built in Microwave Oven, Clock Radio

#### 15 **MICROSOFT WANTS NO PASSWORDS**

- Using a Authenticator App on their smartphone
- Testing on Windows 10S PC – (comments on the "S" version)
- Easier than remembering all those passwords
- More secure than using passwords
- Part of the "Hello" app.

#### 16 **TECHNOLOGY UPDATES LATER IN 2018**

- Intel and AMD to shrink your next Laptop
  - HP Omen X Compact Desktop with the Vega graphic & Dell Models too
- [Bluetooth 5.0](#) (new standard) w/Quadruple Range & Double Speed
- [Look for WPA3](#) will replace WPA2 (15 years old) in WIFI, will scramble connections between each device on the network & router
- Samsung is now the World's Biggest Chipmaker
- Acer Swift 7 \$1700 8.98mm thick
- Amazon Tablet sales surge 4<sup>th</sup> 2017
- Apple is the biggest tablet player
- Amazon ousting Samsung from second place in tablet sales
- DNA sequences now available in one hour that used to take 14 days

#### 17 **BEST LAPTOPS FOR VIDEO EDITING PROJECTS**

- MACBOOK PRO - \$2400
- SURFACE BOOK 2 –
- DELL XPS 15 –
- SURFACE PRO –
- HP SPECTRE X360 15
- ASUS ROG ZEPHYRUS GX501
- What's in Common – Future Shopping List
  - 15" Screen
  - 16GB of RAM
  - i7 Processors
  - 8<sup>th</sup> Generation Intel Chips

#### 18 **HP & LENOVO UPDATES BEST SELLERS**

- HP EliteBook 800 series
  - ZBook 14U/15U
  - 28 % Thinner
  - 8<sup>th</sup> Gen Intel Chips
  - 14 Hours of battery life
  - 15U G5 starts at \$1109

- Lenovo Yoga 730 (Lenovo is #1 in Sales)
  - 13% Lighter
  - Rapid Charge Technology
  - Available in April

#### 19 **BACK UP SERVICES**

- Could Save Money DIY
- Seagate 2TB for \$70
- ASUS Wireless 1TB for \$150
- IDrive
- Carbonite

#### 20 **IPHONE BATTERY ISSUE – FUTURE SMARTPHONES**

- CPU DasherX which is a \$.99 app
- Battery swap for \$29
- 4<sup>th</sup> quarter of 2017 saw a 6.3% drop on the year
- Market is saturated
- Must have 16GB or larger
- Making their own processor and switching to Intel modems for new lineups
- Sold 77 million iPhones last quarter – or 10 iPhones a second
- Side note, robots have already been fired

#### 21 **XIAMOMI**

- Same company that builds Apple
- 8<sup>th</sup> Gen i5 with 16GB RAM
- First time benchmarked an 8 Gen i5 running Geekbench 4., double from a 7<sup>th</sup> Gen i5 system
- Beats 7<sup>th</sup> Gen i7 Chips

#### 22 **INTEL CHIPS**

- 18 cores now available – Helps to lower the cost of the i7 chips
- By 2020 the average person will generate 1.5 gigabytes per day
- Autonomous vehicle, driven 90 minutes a day, generates 4 terabytes per day
- VR experiences like the NFL True View generates 3TB per minute a game

#### 23 **AMD PROCESSORS – WE NEED COMPETITION!**

- AMD Ryzen
- Second – Generation for Q2 -2018
- Ryzen 3 2200G & Ryzen 5 2400G w/built in Graphics cards
- Lower priced PCs

#### 24 **600+ MILLION WINDOWS 10**

- New build 1803 for March 2018 – Current version 1709
- Windows Defender to Windows Security is Primary
- Updates in Microsoft Photos, Paint 3D, Windows Alarms & Clock, Windows Calculator, Windows Camera, Windows Mixed Reality Viewer & Windows Voice Recorder
- Redstone 4 updates April 2018, and Redstone 5 to mainstream users around October 2018

#### 25 **CES SHOW - TRAVIS – TRANSLATING CONVERSATIONS IN REAL TIME**

- 80 languages

- Synchs to computing in the cloud
- 80,000 Devices at \$199 been delivered

#### 26 **BILL HUSTED TECHNO-BUDDY – FLORIDA NEWSPAPER - TIPS**

- Belarc Advisor
  - Gives PC hardware information and outdated software that is on your system
  - Seven Critical Security Found – 6 from Adobe
- Dropbox – Backup
- Viber, phone program for long distance
- Ccleaner: [piriform.com/ccleaner](http://piriform.com/ccleaner)
- Duolingo – Free Language Program

#### 27 **BEST BUY WILL CEASE SELLING CDS JUNE 2018**

- 800 million CDs sold in 2001
- 89 million CDs sold in 2017

#### 28 **5G CELL PHONES – END OF 2018**

- Virtual Reality
- 100 times faster than cellular today
- 10 times faster than broadband
- [Intel 5G To Laptops in 2019](#)
- Don't BUY Huawei & ZTE Phones
  - 4th Qt Surpassed Apple as world's second biggest smartphone maker, behind Samsung

#### 29 **IPHONE X VS GALAXY S9**

- Galaxy S9
  - Higher Display ppi
  - 8MP vs 7MP camera
  - 4GB vs 3GB RAM
  - \$180 lower cost
  - Scans photo with text, translates them to English in seconds
- Apple
  - Future 6.5" Display
  - Lower cost phones

#### 30 **SOMEONE'S LIFE TREASURES**

- Framed photos
- Envelopes of photos
- Boxes of slides
- All for a few dollars!
- This is what you don't want to leave your next generation!

#### 31 **MICROSOFT NEW COMPUTERS**

- Surface Studio
- New standards
- 28" Display

#### 32 **WIRELESS TOOLS - MOUSEJACK**

- Access to a computer can enable the hacker to access personal data

- Typing on a non-Bluetooth wireless mouse or keyboard, sends an encrypted packet over a radio frequency describing the action to the computer's USB dongle
- KEYSCAMBLER for encrypting your keystrokes
- Avoids tracking by keylogging software
- [http://download.cnet.com/KeyScrambler-Personal/3000-2144\\_4-10571274.html](http://download.cnet.com/KeyScrambler-Personal/3000-2144_4-10571274.html)

### 33 **RANSOMWARE - SECURITY**

- Emails are the most popular attacks
- Ransomware are problems for both Windows PCs and Apple Macs
- ALL EMAILS that you do not know the sender, DELETE IT!!
- Gift Cards Emails – DELETE IT, DELETE IT...etc.
- Windows 10 Defender major updates

### 34 **SPAM EMAIL EXAMPLES**

- Never click on these messages from:
- "Update Drivers" in YouTube & Others
- Fake - Fidelity
- Fake – Apple
- Fake - Apple
- Fake - New one is Adobe Flash

### 35 **PORTABLE DRIVES**

- Samsung's 1TB Solid State \$400
- Samsung's World's Largest SSD
- 30 Terabytes of Storage from Samsung
- Expensive for now, but will come down

### 36 **SOFTWARE**

- User Interface – "if you have to explain it, its not that good"
- Software needs to learn the "user" language

### 37 **BEST SOFTWARE FOR WINDOWS & MAC**

- Use FileHippo.com to download:
- Ccleaner and many others
- 
- For Driver Updates: <https://slimware.com/>

### 38 **CCLEANER**

- Cleans "junk" files from your PC
- Helps cleans the Registry
- Tools to help with "Startup, Duplicate Finder, Drive Wiper, etc.
- Be careful NOT to download something else – download the free version
- Even Microsoft Techs will use it
- <http://www.piriform.com/ccleaner>

### 39 **DISK CLEANUP**

- Use everyday
- Included in Windows 10
- Program located under Windows Administration

- 40  **MALWAREBYTES & NETWORK SPEED TEST**
- Malwarebytes Anti-Malware picks up unwanted code that is missed
  - Network Speed Test
  - <https://www.microsoft.com/en-us/store>
- 41  **SNIPPING & SNAGIT TOOLS**
- Snipping comes free with Windows 10
  - Snagit has more features with a cost
- 42  **FOXIT – PDF CONVERTOR**
- PhantomPDF *Standard 7* will convert your Outlook emails (pst files) to PDF docs
  - Foxit is used behind the Amazon Kindle
  - Foxit Reader can directly display text detected through OCR in PDF & PDF/A
  - Free download only for the reader:  
<https://www.foxitsoftware.com/download>
- 43  **VICEVERSA**
- File Synchronization, File Replication, File Backup & File Comparison
  - Program will save WEEKS of time
  - From TGRMN Software called ViceVersa
  - Paid Program
- 44  **USB TYPE-C CONNECTOR**
- USB Type-C connections enables data, video & power up to 100W over a single cable
  - Thunderbolt developed by Intel, marketed by Apple in 2011
  - Intel developed USB 3.0 with speeds of up to 5 Gbps, compared to 480 Mbps
  - Fits upside-down or right-side up
- 45  **EPSON NEW FAST SCANNER**
- FastFoto FF-640 - \$550 – World’s Fastest
    - Perfect if you have boxes of photos!
  - Scanners from \$70 - \$1000
  - Key Specification to look for:
    - Higher the Optical Density the better – 4.0 DMAX is a top rating.
    -
  - Very Simple Scanning rules that WORKS!
    - 300 Dpi for B/W Documents
    - 600 Dpi for most photos (3x5)
    - 1200 Dpi for wallet photos
- 46  **EPSON SCANNERS**
- 3.4 DMAX “Optical Density” on V600 & V550
  - Unknown DMAX on the 370
  - 4.0 DMAX on the V800 – High End
  - Around \$200 will work well!
- 47  **EPSON ECOTANK ALL IN ONE**
- Ink tanks are used

- Print 21,000 B/W
  - 11,000 Color Pages
- Different Models Available
  - ET-2750
  - ET-3750

#### 48 **MYHERITAGE TOOLS**

- 38 Checks on your tree!
- Based on math, well worth it!
- MYHERITAGE New DNA Browser is the Top of the Class
- RootsMagic 7 also has a Problem Search

#### 49 **FAMILY TREE DNA**

- Import DNA data from Ancestry to Family Tree DNA
- Search over 1000 trees of you relatives with your same surname in minutes!
- \$19
- <https://www.familytreedna.com/my/default.aspx>

#### 50 **ROOTSTECH 2018**

- 19 RootsTech Sessions Available FREE
- FREE Show Seminars are on LINE TODAY!
- Worlds largest Family History & Technology Conference
- [https://www.rootstech.org/?cid=RT17\\_AMB\\_INSIDER](https://www.rootstech.org/?cid=RT17_AMB_INSIDER)
- Events Held: Feb 28- March 3, 2018

#### 51 **SOURCES USED TODAY**

- CAGGNI Members
- CNET & ZDNet
- Previous Bosses/Co-Workers
- Wireless Design & Development
- Live Demo Next

#### 52 **SWAY - LIVE DEMO**

- Free tutorials are available
- You share Sways via URLs
- Viewable on any Web browser & any device
- Targeting > 1Billion smartphones
- Next Generation of Genealogists!
- Display your entire book!
- <https://sway.com>