



NEWSLETTER

*The Best Accessory
for your PC!*

This website is gone: www.azacc.org
The Arizona Alliance of Computer Clubs

MAPS TO MEETINGS on **Page 18**

West Side.....Tue, July 19, 2016
College America, 9801 North Metro Pkwy E8,
Phoenix, AZ

East Side.....Wed, July 20, 2016
Univ. of Advancing Technology, 2625 W Baseline
Road, Tempe (one block west of Fry's Electronics)

Fountain Hills.....Thur, July 21, 2016
Fountain Hills Library, 12901 N La Montana Drive,
Fountain Hills, Arizona. **Starts at 5:30 PM!**

Presentation this month: [Computer topics, Windows 10, Smart Phones, etc.](#)

For **date and time** changes:
www.phoenixpcug.org

USE STRONG PASSWORDS! Do updates:

<u>INSIDE THIS ISSUE.....</u>	<u>PAGE</u>
July 2016 Meetings Calendar	3
1. Phoenix PCUG President's Info	4
2. Windows 10 Topics.....	4
3. Tucson Computer Society	4
4. Become an Insider today!.....	4
5. Windows 10 cheat sheet	4
6. Windows 10 Quick Reference.....	4
7. Antivirus.....	5
8. Windows 10 Upgrade Checklist	6
9. Vernam cipher.....	7
10. Riffle promises to protect	7
11. Supercomputers in Desert.....	13
12. Education, etc.....	13
13. Science, Technology, Health.....	14
14. Politics	18

Short Circuits - Next Month Hopefully	
Maps to Meetings.....	18
Membership Application	19



Proud member of www.apcug2.org:
Association of PC User Groups

*

Phoenix PC Users Group Officers

President:	David Yamamoto
Vice President:	Richard Elardo, PhD
Secretary:	Chuck Lewis
Treasurer:	Paul Jamtgaard

Staff Members

Membership Coordinator:	Open Position
Webmaster:	Bill Aulepp
Fountain Hills Coordinator:	Nancy Ogden
East Side Coordinator:	Open Position
West Side Coordinator:	Bill Aulepp
Public Relations:	Open Position
Newsletter Publisher:	Bill Aulepp
Newsletter Editor:	David Yamamoto

Contact Information

David Yamamoto:	President(AT)PhoenixPCUG.org
Richard Elardo	Vicepres(AT)PhoenixPCUG.org
Chuck Lewis:	Secretary(AT)PhoenixPCUG.org
Paul Jamtgaard:	Treasurer(AT)PhoenixPCUG.org
Board of Directors	BOD(AT)PhoenixPCUG.org
Bill Aulepp:	Publisher(AT)PhoenixPCUG.org
Open Position:	Editor(AT)PhoenixPCUG.org
Bill Aulepp:	Webmaster(AT)PhoenixPCUG.org

Steering Committee:

Officers and Members who are present
at the 6:00 P.M. West Side meeting

Windows 10's Safe Mode - page 17

Had a nice July 4th?

Surviving Summer? Keep cool!

[Our meeting starts at 5:30 PM at Fountain Hills !](#)

Look for Windows 10 articles in this issue!

It is better than Windows 7, 8.1 mostly, Western Digital hard drives include Acronis True Image for Windows 10, etc. - for their drives only.

<http://supportdownloads.wdc.com/downloads.aspx?p=119&lang=en>

Best Free Drive Backup programs for Windows

<http://www.ghacks.net/2014/08/08/best-free-drive-backup-programs-for-windows/>

We need: Editor or Publisher!! Contact me!!

HD backup with Carbonite

Kim Komando & tips this month: 1-888-825-5254

<http://www.komando.com/show-picks>

<https://www.facebook.com/kimkomando>

Leo Laporte <http://www.techguylabs.com/>

<http://leoville.com/> <http://twit.tv/people/leo-laporte>

1-88-88-ASK-LEO Listen, The Tech Guy -

Tuneln <http://tinyurl.com/pu8rsc> Check Leo's

Windows 10 news!

https://www.google.com/?gws_rd=ssl#q=leo+laporte+facebook

June 2014, I tried out Norton Safe Web

<http://safeweb.norton.com> & Online Link Scan

- www.onlinelinkscan.com One member emailed me about protecting his PC, both excellent ways to avoid malware, ransomware, etc.

Eye on Windows:

<http://www.eyeonwindows.com/>

<http://www.eyeonwindows.com/category/satya-nadella/>

<http://www.windows10update.com/>

Many Windows 10 news, tips and updates for you (a pop-up will happen, sign up - DY) Hardware, Software Reviews & Windows Resources. Last web link is great!

www.batteriesplus.com - batteries & bulbs!

<http://www.optimabatteries.com> spiral batteries for vehicles!

[Windows 10 Plain & Simple 1st Edition >>>>>](#)
[Very Good Book for Windows 10, Microsoft Books](#)

The Kim Komando Show - stations and times - Tuneln, just Google "komando tunein all stations" Listen free on weekends.

www.komando.com/downloads/2321/6-essential-types-of-security-software-you-must-have/all

Komando On Demand Podcasts and News

http://www.komando.com/listen/komando-on-demand?utm_medium=nl&utm_source=notd&utm_content=2015-11-28-a-a

https://news.komando.com/?utm_medium=nl&utm_source=notd&utm_content=2015-11-28-article-4-title

Tim Greer, Microsupport says Acronis True Image and Carbonite, each has pluses.

602-404-4245, 480-232-1101, microsupport.com

Gene Barlow sells Acronis True Image for Windows 10, 8.1, 8, 7, Vista, XP, Apple Macs.

www.ugr.com. Ask for latest email on

Windows 10 and user group discounts!

Barlow's December Newsletter – Beyond Doing

Basic Backups, <http://apcug2.org/barlows-december-newsletter-beyond-doing-basic-backups/>

SPSI Computer Specialists - Peoria

www.spsi-az.com/ , contact Troy, 602-997-7335

IMPORTANT: DON'T MOVE TOO FAST TO WINDOWS 10, CLONE DRIVE FIRST

Windows 10 Update 325 MB 64 bit or 160 MB 32 bit

<http://www.computerworld.com/article/295725/8/microsoft-windows/microsoft-issues-first-hefty-windows-10-update.html>

We appreciate support by:

* College America collegeamerica.com/phoenix

* University of Advancing Technology uat.edu

* Maricopa County Library, Fountain Hills
mclidaz.org/custom/branches/fountainhills.aspx

Also, Google all their Facebook pages

**BRING A FRIEND!! WE NEED MEMBERS!!
YOU CAN ASK QUESTIONS AT MEETINGS!**

David Yamamoto

<http://www.amazon.com/Windows-Plain-Simple-Nancy-Boysen/dp/0735697949>

2016 GENERAL MEETINGS CALENDARFor date and time changes, check: www.phoenixpcug.org**PRESENTATIONS THIS MONTH****Computer topics, more **Windows 10**, etc.****WEST SIDE: CollegeAmerica (see map page 20)****- Tuesday, July 19, 2016**

- 6:00 PM - Steering Committee and (Election of Officers - Nov & Dec)
- 6:30 PM - Questions and Answers, Viewing websites, etc.

EAST SIDE: University of Advancing Technology (see map page 20)**- Wednesday, July 20, 2016**

- 6:30 PM - Questions and Answers, Viewing websites, etc.

FOUNTAIN HILLS: Fountain Hills Library (see map page 20)**- Thursday, July 21, 2016**

- **5:30 PM - New Time!** Questions + Answers, Viewing websites, etc.

Meetings For Year 2016: Reserve UAT Jan to May- 2016**Jul 19,20,21 Aug16,17,18 Sep 20,21,22 Oct 18,19,20 Nov 15,16,17 Dec 20,21,22**

2016 JULY						
SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

2016 AUGUST						
SUN	MON	TUE	WED	THU	FRI	SAT
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

2016 SEPTEMBER						
SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

All meetings based on the 3rd Wednesday of each month**REMEMBER*: PAY YOUR DUES! Thanks, only \$36 / year or \$3 / month.****Introducing Windows® 10 <http://Microsoft.com/Windows10>****Transform the Way You Work & Play. The Future Starts Now. Learn More.**TeamViewer hacks have everyone placing blame <http://www.techrepublic.com/article/upgrade-from-windows-7-to-windows-10-on-the-same-hardware/>**Windows 10,, and many other topics! Edited 7-18-2016.****Caution & Red Alert: Always do full PC backups prior to installing any software!!!**

David Yamamoto, President of Phoenix PC Users Group, www.phoenixpcug.org

Leo Laporte says you may need to upgrade your BIOS before upgrading to Windows 10, for ACER and possibly other computers. Generally for Windows 7, it will upgrade in about 1 hour, less than a few hours. Clone your hard drive first !!! Acronis True Image free version for Western Digital hard drives.

“Software and Firmware Downloads | WD Support <http://support.wdc.com/downloads.aspx?p=119>
Western Digital: Acronis True Image WD Edition can clone drives, backup the operating system, applications, settings and all of your data, while also securely wiping ...”

[Complete List of Windows 10 Keyboard Shortcuts and Run Commands](http://www.groovypost.com/howto/windows-10-keyboard-shortcuts/)

<http://www.groovypost.com/howto/windows-10-keyboard-shortcuts/>

Over 20 pages of useful shortcuts.

Prescott Computer Society <http://www.prescottcomputersociety.org/asp/windows-10.aspx>

Wow, these folks have a lot of information! **Sun City Computer Club, SIGs**

<http://www.firstsuncity.com/SIGs/sigs.html> <http://www.firstsuncity.com/>

Tucson Computer Society <http://www.aztcs.org/activities/calendar.shtml>

<https://www.facebook.com/tucsoncomputersociety/>

Become an Insider today! Premium content. Expert advice. FREE access. (Excellent!! - DY)

<http://www.infoworld.com/learn-about-insider/> Sign up for InfoWorld! And more...

Get exclusive access to gated site content by becoming an Insider! FREE Membership unlocks hundreds of Insider articles, guides, reviews, interviews, blogs, and other premium content from the best tech brands on the Internet: CIO, CSO, Computerworld, InfoWorld and Network World.

10 compelling **reasons** to upgrade to Windows 10 Brad Chacos @BradChacos Jul 15, 2016 3:00 AM

<http://www.pcworld.com/article/3093793/windows/10-compelling-reasons-to-upgrade-to-windows-10.html> “An offer you shouldn’t refuse

The deadline cometh. July 29 looms, and after that, Windows 7 and 8 users will no longer be able to upgrade to Windows 10 for free. If you’ve been waiting for Microsoft to polish out the operating system’s initial bugs, it’s time to make the leap.”

“This article’s more for the fence-sitters—the folks who haven’t decided whether to stick with what they know or embrace Microsoft’s new-school operating system. There are some very valid reasons not to upgrade to Windows 10, to be honest. But Windows 10 is the best Windows yet, and most people should claim the free upgrade while there’s still time.

Here’s why.” <http://www.pcworld.com/article/3093793/windows/10-compelling-reasons-to-upgrade-to-windows-10.html> 12 web pages all the way to: <http://www.pcworld.com/article/3093793/windows/10-compelling-reasons-to-upgrade-to-windows-10.html#slide12>

(Go to above web link for more web pages, DY)

“If Microsoft can’t install Windows 10 on your PC, it’ll give you a new one

Terms and conditions apply, but if the company’s stores can’t perform a same-day upgrade on your Windows 10-compatible PC, it’ll give you a new Dell notebook.”

<http://www.pcworld.com/article/3096035/windows/if-microsoft-cant-install-windows-10-on-your-pc-itll-give-you-a-new-one.html>

Windows 10 cheat sheet (with video!) (page=1) (Previous Windows sheets may be available)

<http://www.computerworld.com/article/3014286/microsoft-windows/windows-10-cheat-sheet.html>

<http://www.computerworld.com/article/3014286/microsoft-windows/windows-10-cheat->

[sheet.html?nsdr=true&page=2](#)

<http://www.computerworld.com/article/3014286/microsoft-windows/windows-10-cheat-sheet.html?nsdr=true&page=3>

Windows 10 Quick Reference - Custom Guide (Previous guides may be available)

www.customguide.com/cheat_sheets/windows-10-quick-reference.pdf

Windows 10. Quick Reference Card. Start Menu. Keyboard shortcuts Training manuals, practice files, and instructor guides with unlimited printing rights!

http://www.customguide.com/cheat_sheets/windows-10-quick-reference.pdf

https://www.youtube.com/watch?annotation_id=annotation_4060882225&feature=iv&src_vid=kGw9k-lmkG4&v=FZqKyhfD7-E And lots and lots of YouTube Windows 10 how to videos - do's and don'ts.

Windows 10 Search File Contents - also a quick reference guide for Windows 10

http://www.toptrix.net/2016/03/search-through-file-contents-windows-desktop-search.html?utm_campaign=shareaholic&utm_medium=google_plus&utm_source=socialnetwork

https://www.google.com/?qws_rd=ssl#q=windows+10+quick+reference+guide

Think Windows's Built-In Antivirus Will Keep You Safe? You're Wrong

<http://www.pcmag.com/article2/0,2817,2480487,00.asp>



The Independent IT-Security Institute

>>>The best antivirus software for Windows Home User

<https://www.av-test.org/en/antivirus/home-windows/>

www.pcmag.com/article2/0,2817,2372364,00.asp The Best Antivirus Protection of 2016

Do I need antivirus for windows 10 2016?

https://www.google.com/?qws_rd=ssl#q=do+i+need+antivirus+for+windows+10+2016

Secure PC: Keep Windows 10 Safe From Malware - Thurrott.com

<https://www.thurrott.com/windows/windows-10/63826/secure-pc-keep-windows-10-safe-from-malware>

“For the record, I do not pay for a security suite for myself or anyone in my family. Instead, we rely on Windows Defender and I occasionally scan our PCs with a free anti-malware solution like Malwarebytes Anti-Malware Free.”

Windows Sysinternals: Documentation, downloads and additional ...(Use YouTube to learn, clone first, DY)

<https://technet.microsoft.com/en-us/sysinternals/bb545021.aspx>

Microsoft TechNet - The Sysinternals web site was created in 1996 by Mark Russinovich to host his advanced system utilities and technical information. Whether you're an IT Pro or ... Learn more:

https://www.google.com/?qws_rd=ssl#q=sysinternals+youtube

Process Monitor - TechNet - Microsoft

<https://technet.microsoft.com/en-us/sysinternals/processmonitor.aspx>

May 26, 2015 - Process Monitor is an advanced monitoring tool for Windows that shows real-time file system, Registry and process/thread activity. It combines ...

https://www.google.com/?qws_rd=ssl#q=process+monitor+youtube

Process Explorer - TechNet - Microsoft

<https://technet.microsoft.com/en-us/sysinternals/processexplorer.aspx>

Feb 2, 2016 - Process Explorer, also known as procexp.exe, shows you information about which handles and DLLs processes have opened or loaded.

https://www.google.com/?qws_rd=ssl#q=process%20explorer%20youtube for Process Explorer

https://www.google.com/?qws_rd=ssl#q=twitter+2016+windows+10 Twitter 2016 windows 10

https://www.google.com/?qws_rd=ssl#q=facebook+2016+windows+10 Facebook 2016 windows 10

https://www.google.com/?qws_rd=ssl#q=pinterest+2016+windows+10 Pinterest 2016 windows 10

https://www.google.com/?qws_rd=ssl#q=pinterest+2016+photography Pinterest 2016 photography

Here's why Cortana leaves Siri and Google Now in the dust

<http://www.techradar.com/us/news/software/here-s-why-cortana-leaves-siri-and-google-now-in-the-dust-1318100?src=rss&attr=all>

<http://www.techradar.com/us/news/software/here-s-why-cortana-leaves-siri-and-google-now-in-the-dust-1318100/2> New Windows 10 beta build 14352 holds a few pleasant surprises

<http://www.infoworld.com/article/3075320/microsoft-windows/new-windows-10-beta-build-14352-holds-a-few-pleasant-surprises.html>

<http://windowsreport.com/yahoo-mail-app-windows-10/> Yahoo Mail app for Windows 10 users gets updated on the Windows Store

The ultimate Windows 10 survivor kit (This is **EXCELLENT!!! DY)**

<http://www.infoworld.com/resources/85854/microsoft-windows/the-ultimate-windows-10-survivor-kit#tk.ifw-infsb>

As soon as you install Windows 10, make sure you follow these 12 steps to ensure everything is in working order <http://www.infoworld.com/resources/85854/microsoft-windows/the-ultimate-windows-10-survivor-kit#tk.ifw-infsb>

Windows 10 Upgrade Checklist Deep Dive - (This is **EXCELLENT!!!** DY)

http://core0.staticworld.net/assets/media-resource/85854/windows_10_upgrade_checklist_deep_dive.pdf

<http://www.pcadvisor.co.uk/feature/windows/should-i-upgrade-windows-10-why-upgrade-window-10-is-windows-10-good-two-3618139/>

Should I upgrade to Windows 10? Why upgrade to Windows 10? Is Windows 10 good? The pros and cons of upgrading from Windows 7 or Windows 8 | Free upgrade to Windows 10 ends in two weeks!

CSO | Security news, features and analysis about prevention ... www.csoonline.com/

“CSO offers the latest information and best practices on business continuity and data protection, best practices for prevention of social engineering scams, 93% of phishing emails are now ransomware,

<http://www.csoonline.com/article/3077434/security/93-of-phishing-emails-are-now-ransomware.html>

Security concerns rising for Internet of Things devices - networked devices for home & business

<http://www.csoonline.com/article/3077537/internet-of-things/security-concerns-rising-for-internet-of-things-devices.html> The CSO 2016 Security Data Analytics Survival Guide -

<http://www.csoonline.com/article/3054661/big-data/the-cso-2016-security-data-analytics-survival-guide.html>

<http://www.businessinsider.com/>

<http://www.businessinsider.com/how-the-internet-of-things-market-will-grow-2014-10>

Mary Meeker's stunning annual presentation on the state of the web (**DY - Awesome!**) View as 1 page:

<http://www.businessinsider.com/mary-meeker-2016-state-of-the-web-presentation-2016-6?op=1>

Online Trust Alliance <https://otalliance.org/> “SEATTLE – Apr. 22, 2015 – The Online Trust Alliance, the

non-profit with the mission to enhance online trust, announced today that it has won the SC Magazine Editor's Choice Award. SC Magazine recognizing OTA for its contribution to both the public and private sectors, and advancing best practices in data privacy and cybersecurity while driving multi-stakeholder efforts to create effective policy and legislation.”

The only **unbreakable** cryptosystem known - the **Vernam** cipher
www.pro-technix.com/information/crypto/pages/vernam_base.html

What was devised was the only provably unbreakable encryption scheme known to this day. Compared with most cryptosystems it is a very simple. To use a ...

There is only one perfectly secure cryptosystem known

Of all the methods of encryption ever devised, only one has been mathematically proved to be completely secure. It is called the Vernam cipher or one-time pad. The worth of all other ciphers is based on computational security. If a cipher is computationally secure this means the probability of cracking the encryption key using current computational technology and algorithms within a reasonable time is supposedly extremely small, yet not impossible. In theory, every cryptographic algorithm except for the Vernam cipher can be broken given enough cipher text and time.”

<http://www.cryptomuseum.com/crypto/vernam.htm> (Excellent explanation here, DY)

“The Vernam Cipher Digital bit-wise XOR

The Vernam Cipher is based on the principle that each plaintext character from a message is 'mixed' with one character from a key stream. If a truly random key stream is used, the result will be a truly 'random' ciphertext which bears no relation to the original plaintext. In that case the cipher is similar to the unbreakable One-Time Pad (OTP). As it was generally used with teleprinters and 5-level punched tape, the system is also known as One-Time Tape or OTT.” (See above web link, DY)

https://www.google.com/?gws_rd=ssl#q=vernam+cipher+example+youtube

https://www.google.com/?gws_rd=ssl#q=vernam+cipher+supercomputer

“Use Tor? **Riffle** promises to protect your privacy even better

<http://www.computerworld.com/article/3095463/security/meet-riffle-the-anonymity-network-from-mit-that-promises-to-outdo-tor.html>

Privacy-minded people have long relied on Tor for anonymity online, but a new system from MIT promises better protection and faster performance.

Dubbed **Riffle**, the new system taps the same onion encryption technique after which Tor is named, but it adds two others as well. First is what's called a mixnet, a series of servers that each rearranges the order in which messages are received before passing them on to the next server.

If messages arrive at the first server in the order A, B, C, for example, that server would send them to the second server in a different order, such as C, B, A. The second server would then reshuffle things again when sending the messages on. The advantage there is that a would-be attacker who had tracked the messages' points of origin would have no idea which was which by the time they exited the last server.”

“**Code talker** - Wikipedia, the free encyclopedia https://en.wikipedia.org/wiki/Code_talkerWikipedia

The name code talkers is strongly associated with bilingual Navajo speakers specially recruited during World War II by the Marines to serve in their standard communications units in the Pacific Theater. Code talking, however, was pioneered by Cherokee and Choctaw Indians during World War I.”

(Of course, this was before modern computers, smartphones, etc. but communicating and translating info from place to another is still vital to the defense of America. See “**Wind Talkers**” movie DY)

PhishMe - Security Behavior Management

phishme.com/ Download your free copy of PhishMe's Enterprise Phishing Susceptibility Report. An

Inside Look At Employee Behavior Pertaining to Highly Effective Phishing ...

Information Security Media Group - ISMG www.ismgcorp.com/

Information Security Media Group offer news, views, research and education on the top industry, security, regulatory and technology challenges worldwide.

What is CSO (Chief Security Officer)? - Definition from WhatIs.com, searchsecurity.techtarget.com ...> Business terms. Assuming a consistent pattern of titles in companies that have a Chief Executive Officer (CEO) and Chief Information Officer (CIO), the Chief Security Officer ...(DY Go to web link above for info)

What is the best way to defeat **RANSOMWARE**? A complete hard drive or solid state drive backup!! Use Acronis True Image: Contact Gene Barlow: www.ugr.com for a big discount! Smartphones too!

<http://www.digitaltrends.com/computing/best-browser-internet-explorer-vs-chrome-vs-firefox-vs-safari-vs-edge/2/> Opera wants you to ditch Chrome for its free, built-in VPN. virtual private network, “

Why I switched back to **Firefox** (I prefer Firefox for most of my web surfing...DY)

<http://www.networkworld.com/article/3071653/software/why-i-switched-back-to-firefox.html>

<http://www.pcmag.com/article2/0,2817,2428329,00.asp> Opera Browser, fastest

And anonymous web surfing. Have any of you tried Opera Browser? Please email David Yamamoto. It is faster, leaner, cleaner - supposedly, and many other features! Also, MS Edge for Windows 10?

https://www.google.com/?gws_rd=ssl#q=view+any+web+page+into+text+only (DY many now, here's:)

<https://textise.wordpress.com/about-textise/> “Textise is a new way of looking at the Web. It's an Internet tool that removes everything from a web page except for its text.” <https://www.textise.net/>

Create a website for free - WordPress.com is the best place for your personal blog or business site.

<https://wordpress.com/themes/intergalactic/> <https://wordpress.com/> Not including domain name! See www.godaddy.com which the Phoenix PC Users Group uses.

APCUG publishes a content filled supplemental newsletter, on a periodic basis, containing articles from computer users around the country.

<http://www.the-tug.org/APCUG-e-PUSH-Tech-Newsletter.html> <http://apcug2.org/>

<http://apcug2.org/apcug-2016-winter-virtual-technology-conference-vtc19/>

[http://apcug2.org/wp-content/uploads/2016/02/Adding RAM to Your Laptop GregSkalka VTC 2-20-16.pdf](http://apcug2.org/wp-content/uploads/2016/02/Adding_RAM_to_Your_Laptop_GregSkalka_VTC_2-20-16.pdf) and same RAM topic, <https://youtu.be/ilXNtkoePZg> , also many other topics including videos.

<http://apcug2.org/apcug-2016-spring-virtual-technology-conference-vtc20/>

APCUG 2016 Spring Virtual Technology Conference (VTC20)

Attend the FREE conference from the convenience of your own home! All you need is your computer, tablet, etc. and Internet access. Register at: <http://bit.ly/apcug-2016-spring-vtc>

The sessions are 50 minutes in length and offer attendees the opportunity to ask questions via Q&A; the questions are answered by the presenter at the end of the presentation or via e-mail if there isn't enough time after the presentation.

<http://www.solvusoft.com/en/windows-10-troubleshooting-guide/> .(Be Careful, not reviewed yet!! DY)

http://answers.microsoft.com/en-us/windows/forum/windows8_1-performance/are-solvusoft-products-safe/16248403-5608-47ff-85c8-9088537f1d7a?auth=1 More info:

<https://www.google.com/search?q=solvusoft+review&ie=utf-8&oe=utf-8>

<https://www.mywot.com/en/scorecard/solvusoft.com> said: "octolith 21-05-2016 If you check whether Solvusoft is a Microsoft Gold Certified Partner, you find, **that they are not at all**. False advertising, malpractices regarding problem solution, avoid it. Paid reviews."

Duo Security <https://duo.com/> "Frustrate the bad guys, not your users. Easy two-factor authentication plus endpoint visibility makes for secure businesses and happy users. We want to be the most loved company by our customerswhile also being the most loved by our employees."

<https://www.alertlogic.com/>

Alert Logic Cloud Defender product review | SC Magazine

<http://www.scmagazine.com/alert-logic-cloud-defender/review/4410/>

Aug 3, 2015 - Cloud Defender really is a bit of a misnomer since this suite of tools from Alert Logic protects data in multiple locations, including on-premises... (For IT pros, \$2999.99/mo or more, DY)

11 ways to fight off ransomware (Windows 10 users: Do complete HD backup weekly! DY)

<http://www.networkworld.com/article/3089292/security/11-ways-to-fight-off-ransomware.html>

Ted talks for techies <https://www.google.com/search?q=tet+talks+for+techies&ie=utf-8&oe=utf-8>

*TED Talk: Hackers: the Internet's immune system - **Keren Elazari**, 16:39

<http://www.csoonline.com/article/3077437/security/10-security-tet-talks-you-can-t-miss.html#slide2>

*TED Talk: Fighting viruses, defending the net - **Mikko Hypponen**, 17:34

<http://www.csoonline.com/article/3077437/security/10-security-tet-talks-you-can-t-miss.html#slide3>

TED Talk: Hire the hackers! - **Misha Glenny** 18:39

<http://www.csoonline.com/article/3077437/security/10-security-tet-talks-you-can-t-miss.html#slide4>

*TED Talk: All your devices can be hacked, **Avi Rubin**, 16:56

<http://www.csoonline.com/article/3077437/security/10-security-tet-talks-you-can-t-miss.html#slide5>

TED Talk: How cyber attacks threaten real-world peace, **Guy-Philippe Goldstein**, 9:24

<http://www.csoonline.com/article/3077437/security/10-security-tet-talks-you-can-t-miss.html#slide6>

*<http://www.csoonline.com/article/3077437/security/10-security-tet-talks-you-can-t-miss.html#slide8>

TED Talk: What's wrong with your pa\$\$w0rd? **Lorrie Faith Cranor** 17:42

TED Talk: The 1s and 0s behind cyber warfare, **Chris Domas**, 16:45

<http://www.csoonline.com/article/3077437/security/10-security-tet-talks-you-can-t-miss.html#slide9>

TED Talk: **A vision of crimes in the future **Marc Goodman** 19:25

<http://www.csoonline.com/article/3077437/security/10-security-tet-talks-you-can-t-miss.html#slide10>

"Will Microsoft Promos Move the Needle on Windows 10 Adoption? <http://www.eweek.com/>

The company is offering customers a free Dell laptop if Microsoft staffers fail to complete a same-day Windows 10 upgrade on compatible systems. The Windows 10 free upgrade offer expires on July 29 and Microsoft is incentivizing holdouts with some last-minute perks.

The company has launched a Windows 10 Upgrade Challenge program at its brick-and-mortar stores, offering customers a free Dell laptop if Microsoft staffers fail to complete a same-day Windows 10 upgrade on compatible systems. "If your PC meets all of the requirements, our team will upgrade your PC to Windows 10. If we don't upgrade your PC by close of business, you'll get a free Dell Inspiron 15," states the program's Web page.

Ensuring that Microsoft Store technicians have plenty of time to complete the upgrade, customers must check in their PCs by noon local time at participating locations. Customers whose PCs don't make the cut will receive a \$150 credit that can be used to purchase a new PC. Additionally, Microsoft is offering upgraders \$20 off the price of an Office 365 Home subscription.

Whether the latest promotion moves the needle on Windows adoption remains to be seen.”

Lenovo advises users to remove a vulnerable support tool preinstalled on their systems <http://www.cio.com/article/3077881/lenovo-advises-users-to-remove-a-vulnerable-support-tool-preinstalled-on-their-systems.html> “LiveAgent was one of the worst software updaters Duo Security identified, but the company found flaws in update tools from all five vendors: Acer, ASUSTeK Computer, Lenovo, Dell, and HP. This is not the first time serious vulnerabilities have been found in the support tools and third-party applications preloaded by PC manufacturers on computers. Duo Security researchers recommend installing a clean ... Windows on newly purchased systems.”

The PC upgrade cycle slows to every five to six years, Intel's CEO says <http://www.cio.com/article/3078005/the-pc-upgrade-cycle-slows-to-every-five-to-six-years-intels-ceo-says.html> “The upgrade cycle for PCs has slowed down drastically, now extending to nearly six years, Intel CEO Brian Krzanich said on Wednesday. People are instead buying 2-in-1 PCs, which can be used as tablets and laptops, and shipments of those devices are growing in an otherwise slumping PC market. The decline in PC shipments will level out at some point, Krzanich said, though he wasn't sure when. Intel is now making the transition from being a PC-centric to cloud- and Internet-of-Things-centric company. But the PC market, and its large annual volume of 270 million units, remains important to Intel, and it fuels development of core chip technologies, memory, and SSDs, Krzanich said.”

<https://askleo.com/> (DY - many, many topics) <https://newsletter.askleo.com/>
Subscribe to The Ask Leo! Newsletter and get a copy of The Ask Leo! Guide to Staying Safe on the Internet – FREE Edition. This ebook will help you identify the most important steps you can take to keep your computer, and yourself, safe as you navigate today's digital landscape.

Leaked NSA Documents Reveal How To Hide From The NSA

http://www.huffingtonpost.com/2014/12/31/nsa-documents-anonymous-online_n_6401066.html?utm_source=zergnet.com&utm_medium=referral&utm_campaign=zergnet_359696

Prying Eyes: Inside the NSA's War on Internet Security - SPIEGEL ONLINE

<http://www.spiegel.de/international/germany/inside-the-nsa-s-war-on-internet-security-a-1010361.html>

“Encryption -- the use of mathematics to protect communications from spying -- is used for electronic transactions of all types, by governments, firms and private users alike. But a look into the archive of whistleblower Edward Snowden shows that not all encryption technologies live up to what they promise.

One example is the encryption featured in Skype, a program used by some 300 million users to conduct Internet video chat that is touted as secure. It isn't really. “Sustained Skype collection began in Feb 2011,” reads a National Security Agency (NSA) training document from the archive of whistleblower Edward Snowden.” (And more info... DY)

7 Reasons You Should Quit Facebook - (Mainly, it is a waste of time? DY)

http://www.mensjournal.com/gear/collection/why-were-getting-off-facebook-in-2015-20141231?utm_source=zergnet.com&utm_medium=referral&utm_campaign=zergnet_934765

Why computer clubs should be on Facebook

https://www.google.com/?gws_rd=ssl#q=why+computer+clubs+should+be+on+facebook

Make calls online for free <https://makefreecallsonline.com/United-States/>

TeamViewer hacks have everyone placing blame

<http://searchsecurity.techtarget.com/news/450298165/TeamViewer-hacks-have-everyone-placing-blame>

https://www.google.com/?qws_rd=ssl#q=teamviewer+hacked+2016 Teamviewer hacked 2016

Is it Possible to Create a Website Without Buying a Domain Name?

The High Price of "Free" <http://www.thesitewizard.com/domain/website-without-domain-name.shtml>

(Yes & No - read info on above website: DY)

<https://www.flickr.com/> Picture galleries available with social networking, chat, groups, and photo ratings.

<https://www.flickr.com/creativecommons/> Flickr: Many "Flickr users have chosen to offer their work under a Creative Commons license, and you can browse or search through content under each type of license. 2,374,521 photos" (See more) (Seems interesting - DY, PS: Remember this iconic image from Life Magazine taken after WWII ends?) <http://www.dailymail.co.uk/news/article-2187071/Times-Square-Sailor-nurse-kissing-iconic-WWII-photograph-reunited.html>

Flickr Tutorial 2015 ... Why You Should Use Flickr! <https://www.youtube.com/watch?v=Xsfak79FNWQ>

"If you have a Flickr account, you can now license your photos through Getty images so that, when people see them, they can pay to use them, earning you money. Flickr members can turn on a "Request to License" link on their photo pages. The link will show right next to the licensing information. 11 Things You Can Do Today to Make Money from Photography ..."

<http://expertphotography.com/make-money-from-photography/>

"There's no reason why you can't go through all your best photos right now and upload them to a site such as ImageKind – start earning money from the prints you sell. Another way, which is a little bit harder, is to print them yourself and sell them through shops and restaurants."

Pinterest • The world's catalog of ideas <https://www.pinterest.com/>

A content sharing service that allows members to "pin" images, videos and other objects to their pinboard. Also includes standard social networking features .. make money on pinterest

https://www.google.com/?qws_rd=ssl#q=make+money+on+pinterest

<https://www.facebook.com/pinterest> <https://www.pinterest.com/explore/2016-trends/>

<https://www.pinterest.com/allwomenstalk/> for women, mostly, except for food.

<https://en.wikipedia.org/wiki/Pinterest> <https://en.wikipedia.org/wiki/Twitter>

<https://en.wikipedia.org/wiki/Facebook> <https://www.snapchat.com/> Snapchat lets you easily talk with friends, view Live Stories from around the world, and explore news in Discover. Life's more fun when you live in the moment! <https://www.youtube.com/watch?v=8sntEYrvfK>

Hushmail - "Enhanced email security to keep your data safe <https://www.hushmail.com/>

Secure email with easy email encryption you can start using right away."

<http://www.usatoday.com/story/tech/news/2016/07/17/yahoo-set-get-final-bids-report-earnings/87129278/> "Yahoo set to get final bids, report earnings Yahoo is prepping what could be the last earnings release for the company as we know it."

"Despite Monday's earnings report, "the focus is going to be on the ... sale," said Gillis, who estimates that bids could surpass \$6 billion, but expects Yahoo would accept any offer of \$5 billion or so. "Anything higher than \$7 billion we consider a positive development," he said."

Congress Blocks Google and Yahoo Mail Amid Ransomware Fears

<http://wccftech.com/house-blocks-access-google-services/>

“Email services like Gmail and Yahoo Mail have tried to filter out phishing scams that spread ransomware to victims. However, it’s still possible for some scams to slip through these filters. Google has said that the company is investigating reports of the restriction and would work to resolve any issues. In a statement, Yahoo said, “We take the security of our users very seriously, and we’re collaborating closely with House IT staff to ensure that they have the right solutions in place to best protect their accounts.”

<http://www.pcmag.com/news/345207/hackers-no-longer-need-your-password>

“Hackers No Longer Need Your Password: Enterprising identity thieves are hijacking mobile accounts to access social media and other protected sites.”

<https://techcrunch.com/2016/07/07/android-full-disk-encryption/>

“Qualcomm says it issued patch for Android encryption flaw over a year ago. Kate Conger

Cracking encryption is a topic of perpetual fascination.

Congress has made several efforts to legislate it. The FBI tried to force Apple to do it. New messaging apps constantly debut with claims about strong encryption, and controversy bubbles when they neglect it.

So when a researcher discovered a flaw in Android’s full disk encryption scheme last week that allowed for decryption of the device, it seemed at first like a revolutionary security discovery.

But chipmaker Qualcomm now claims it told Google about the vulnerabilities in November 2014 and February 2015. Google issued patches in January and May of this year — meaning that the company may have known about the problem for over a year before rolling out fixes.”



What's New Bringing Technology to Those Who Need It Most

As stated in our Guidelines to Giving: We donate equipment to Arizona schools listed with the Arizona Department of Education (public or nonprofit).

Now within all of these schools we have a higher desire to assist Title 1 schools. What is a Title 1 school? A Title 1 school is a school that has at least 40% of their students who qualify as a Title 1 student. What is a Title 1 student? A Title 1 student is eligible for the Free and Reduced school lunch program. This is a definitive measurement of financial need. Thus, schools that qualify as Title 1 schools are serving a large quantity of students with significant financial need.

There are many schools and school districts within our state that have over 70% Title 1 students! We are convinced that these schools and school districts could benefit from additional technology to serve these populations. Currently, we have been blessed with VERY generous corporate donations.

For each of the past five years AZ StRUT has donated at least \$500,000 worth of equipment to Arizona schools and 501(c)3 nonprofits. That's 2.5 million dollars of equipment over the last five years. We are biased, but this must be one of the most effective grassroots efforts.

Yes, we are still donating to 501c3 nonprofits, and yes, we are still delivering Techie Camps to primarily Title 1 students. However, it is summer and these Title 1 schools are attempting to put technology into classrooms with still limited funds. I don't believe they have yet received the windfall promised from the recent proposition. Yes, we are looking forward to help from our refurbishing partner schools when they return in August.

Currently, we are donating 64 bit desktop and laptop computers to Arizona schools. While confirming the request, we perform a technology needs assessment to determine how we help with equipment other than computers. (Such as printers, multi-function printers, networking gear, etc. DY)

Thank you for your continued support! Tom Mehlert, Executive Director, AZ StRUT <http://azstrut.org/>

<http://www.post-gazette.com/business/tech-news/2016/07/17/FCC-approves-next-generation-of-wireless-innovation/stories/201607140172>

“FCC approves next generation of wireless innovation: 5G By Ed Blazina / Pittsburgh Post-Gazette
The Federal Communications Commission last week approved guidelines for the next revolution in wireless technology that some predict could be the biggest economic generator in history.
But no one can say yet exactly what the revolution will bring.

The agency’s commissioners Thursday unanimously approved rules that will open up little-used, high frequency airwaves for uses that could range from telecommunications to medicine, self-driving cars, factories and smart house appliances such as refrigerators that automatically reorder food once it is used.

New technology still being developed will allow more extensive use of the short waves that will greatly expand the capacity for carrying information on the new system, which will be known as 5G, for fifth generation. About every 10 years, there’s a quantum leap in wireless that moves the technology up a generation, and the fruits of this next step probably will begin rolling out in 2020.” (web link above)

“Google Builds Quantum-Proof Encryption for Chrome

<http://www.pcmag.com/news/345931/google-builds-quantum-proof-encryption-for-chrome>

Breaking HTTPS encryption would be too easy for quantum computers.

Google engineers are concerned that the advanced cryptography capabilities of future quantum computers will make it laughably easy to break even the most secure encryption available today. So they’re working on modifications to the Chrome browser that will use so-called post-quantum algorithms to try and stump code breakers of the future.

If you’re a little fuzzy on the intersection between quantum computing, cryptography, and encryption, PCMag recently visited the Los Alamos National Laboratory in New Mexico to get some real quantum computing engineers to explain the basics.

Essentially, Los Alamos engineers are betting that quantum cryptography could confound modern spies by placing encrypted data inside an indivisible photon. According to Google, it could just as easily crack today’s HTTPS encryption.”

“How a Bunch of Supercomputers in the Desert Are Keeping You Safe

<http://www.pcmag.com/news/344226/how-a-bunch-of-supercomputers-in-the-desert-are-keeping-you>

PCMag met up with two supercomputing and quantum cryptography experts at Los Alamos National Laboratory’s Strategic Computing Complex to see what keeps them busy at the secretive compound.”

EDUCATION, FOOD, CHILDREN, WOMEN, MISC.

How does your school measure up? Bronze all 8 HS’s best-high-schools/arizona/districts/peoria-unified-school-district-108384

5 Bronze HS's of 15 <http://www.usnews.com/education/best-high-schools/arizona/districts/phoenix-union-high-school-district-110176>

4 Silver, 5 Bronze of 10 HS's <http://www.usnews.com/education/best-high-schools/arizona/districts/glendale-union-high-school-district-109019>

Whether you're new to tutoring or an established pro, listing your services on WyzAnt is the most effective way to build and manage your own successful tutoring business.

https://www.wyzant.com/howitworks/tutors?utm_source=Frontline&utm_medium=banner&utm_content=horizontal_banner_Substitutes

“Food Network - Easy Recipes, Healthy Eating Ideas and Chef Recipe ... www.foodnetwork.com/
Food Network Love Food Network shows, chefs and recipes? Find the best recipe ideas, ... This Winning Dish Food Network Star Salvation ... TV Schedule; Search Episodes ..”

25 Things Women Say That Men Misunderstand
<http://list25.com/25-things-women-say-that-men-misunderstand/>

You've probably tried learning French, Spanish, or German, but those are nothing compared to Woman (the language). Most scholars agree that the only thing more impossible than understanding the language of women is **dividing by 0**.

You have no hope. Don't even try. Whatever. See?

You probably thought that all of that means you should just give up and not try anymore right?

Wrong! Any woman will tell you that in the language of women, it means the complete opposite. Here are 25 things women say that men misunderstand.

No. It means “no”. Yes. In most cases this also means no.

There are exceptions but they are very hard to distinguish. Maybe. Still no.

It would be nice if... Everything following the “if” is meant to be interpreted as an unconditional order. Fine. This means the argument is over and you lost. (See above web link for more, DY)

America's Child-Marriage Problem (Girls, Women, very serious: DY)

http://www.nytimes.com/2015/10/14/opinion/americas-child-marriage-problem.html?_r=0

"Child marriage is legal in the U.S., and thousands of children, as young as 12, have wed recently - but Unchained's state-by-state push to end child marriage is ... "

<http://www.unchainedatlast.org/> Fraidy Reiss - Founder / Executive Director

<http://www.unchainedatlast.org/fraidy-reiss/>

"Fraidy was 19 when her family arranged for her to marry a man who turned out to be violent. But with no education or job, in an insular religious community where only men have the right to grant a divorce, she felt trapped." (Please read, maybe computer friends can help? - DY)

SCIENCE - TECHNOLOGY - HEALTH

Google Tech News Thursday, July 07, 2016

<https://news.google.com/news/section?cf=all&pz=1&ned=us&topic=tc&siidp=620489c889d069f20bdae5e31630dc4bbfa6&ict=ln>

<http://www.npr.org/sections/health-shots/2016/07/09/484810552/hope-still-races-ahead-of-evidence-in-magnet-treatment-for-autism> Hope Still Races Ahead Of Evidence In Magnet Treatment For Autism

“Cyborg locusts? Washington University researchers think bugs could be used to sniff out bombs

http://www.stltoday.com/news/science/cyborg-locusts-washington-university-researchers-think-bugs-could-be-used/article_2af2a92c-f822-569b-b9ea-2abf51672820.html

A locust is fitted with an preliminary stage prototype device, with an electrode implanted in the insect's brain that will monitor its neural activity as it detects smells, on Thursday, July 7, 2016 at Washington University.

Locust antennae act as a nose, with sensors more complex than any chemical sensor an engineer could make. A group of researchers at Washington University hope to hijack that sense of smell, using bioengineering to create the ultimate smelling machine. By using sensors that monitor locusts' brain activity, researchers would be able to tell what chemicals the locust is smelling.

The possibilities? Picture a swarm of locusts sent out on a mission to sniff out bombs. Researchers picture the bugs helping the military detect landmines, or verifying bomb threats at airports. If all goes as planned, bionic bugs could join the ranks of police dogs and land-mine sniffing rats in detecting explosive devices." (See above web link for more info: DY)

"Relax: self-driving cars won't kill you (and they're not really self-driving, yet)

<http://www.extremetech.com/extreme/231227-relax-self-driving-cars-wont-kill-you-and-theyre-not-really-self-driving-yet>

The Tesla Autopilot crash fatality in May points to how safe, not unsafe, self-driving cars can be in the future, and how driver assistance features today are at preventing crashes by warning or intervening. The very real danger is that knuckleheads today are confusing individual driver assist features for an integrated system that allows your attention to drift safely for extended periods of time."

"Relax: self-driving cars won't kill you (and they're not really self-driving, yet)

<http://www.extremetech.com/extreme/231227-relax-self-driving-cars-wont-kill-you-and-theyre-not-really-self-driving-yet>

The Tesla Autopilot crash fatality in May points to how safe, not unsafe, self-driving cars can be in the future, and how driver assistance features today are at preventing crashes by warning or intervening. The very real danger is that knuckleheads today are confusing individual driver assist features for an integrated system that allows your attention to drift safely for extended periods of time."

<https://news.google.com/news/section?cf=all&pz=1&ned=us&topic=m&siidp=13d2c862b226b36efe7c336b6b18a7e73eec&ict=ln> Google Health

https://www.buzzfeed.com/hannahjewell/inventions-by-women-that-changed-the-world?utm_term=.gfJkVv3rq#.saQ4qBPnj 18 Inventions By Women That Changed The World

<https://news.google.com/news/section?cf=all&pz=1&ned=us&topic=snc&siidp=2437caed113f220a88c7d744e8ad3f03fb86&ict=ln> Google Science, July 17, 2016

Famous Female Physicists www.ranker.com/list/famous-female-physicists/reference

<http://www.autoconnectedcar.com/2016/07/drivers-are-angry-aggressive-alarming/> "Nearly 80 percent of drivers expressed significant anger, aggression or road rage behind the wheel..."

Google "[Tesla Motors](http://www.tesla.com)": or use: <http://tinyurl.com/hdq2xz7>

<http://www.usatoday.com/story/money/cars/2016/07/17/what-tesla-autopilot-crash-means-self-driving-cars/87219126/> What Tesla Autopilot crash means for self-driving cars

"Top Tier Detergent [Gasoline](http://www.gasoline.com) is a performance specification and trademark designed and supported by several major automakers..." https://en.wikipedia.org/wiki/Top_Tier_Detergent_Gasoline

<http://www.vox.com/2016/7/7/12105830/nettie-stevens-genetics-gender-sex-chromosomes>

“Nettie Stevens discovered XY sex chromosomes. She didn't get credit because she had two X's. At the turn of the 20th century, biologist Nettie Stevens was driven to solve a scientific ...”

Marilyn Monroe liked **diamonds** right? Not now? <https://www.youtube.com/watch?v=IUGfC7GYi18>

Q-carbon is harder than **diamond**, incredibly simple to make | ExtremeTech

<http://www.extremetech.com/extreme/219186-q-carbon-is-harder-than-diamond-incredibly-simple-to-make>

Diamond no longer nature's hardest material

<https://www.newscientist.com/article/dn16610-diamond-no-longer-natures-hardest-material/>

“The first, **wurtzite boron nitride** has a similar structure to diamond, but is made up of different atoms. The second, the mineral **lonsdaleite**, or **hexagonal diamond** is made from carbon atoms just like diamond, but they are arranged in a different shape.”

Sun's hole? <http://www.csmonitor.com/Science/2016/0714/NASA-spots-giant-hole-enveloping-sun>

http://www.tulsaworld.com/scene/askdrk/dr-k-two-proteins-scrutinized-in-alzheimer-s-research/article_9e749440-5411-545a-8d74-a28b8caa2c77.html Two proteins scrutinized in **Alzheimer's** research

<http://.usnews.com/health-care/articles/2016-07-14/research-sees-potential-to-make-bone-muscle-from-human-stem-cells> Make Bone, Muscle From Human Stem Cells

http://www.nytimes.com/interactive/2016/07/05/upshot/is-sushi-healthy-what-about-granola-where-americans-and-nutritionists-disagree.html?_r=0 Where Americans and Nutritionists Disagree

<http://fivethirtyeight.com/features/the-loudest-sound-in-the-world-would-kill-you-on-the-spot/>

Alzheimer's Reversing Cocktail <https://pro.nutritionandhealing.com/NAH160115A/PNAHS303?h=true>

Testing the Hyperloop <https://www.youtube.com/watch?v=1e-Po9C8Kj8>

Future Transportation Technology Will Blow Your Mind

<https://www.youtube.com/watch?v=oYOmZITjsQ0>

<https://complaints.donotcall.gov/complaint/complaintcheck.aspx> Report harassing calls here.

Complaint Review: National Magazine Exchange - N.M.E. (The U.S. has lots of BS companies! DY)

<http://www.ripoffreport.com/r/National-Magazine-Exchange-NME/Clearwater-Florida-33764/National-Magazine-Exchange-NME-Scam-Ripoff-mailer-scam-through-Family-Circle-Clearwat-155404>

Hubble finds universe may be expanding faster than expected

phys.org/news/2016-06-hubble-universe-faster.html

Phys.org - News and Articles on Science and Technology

Phys.org internet news portal provides the latest news on science including: Physics, Space Science, Earth Science, Health and Medicine, Astronomy & Space, Nanotechnology, Technology

Sol Voltaics says breakthrough could boost solar panel efficiency by 50%

<http://www.computerworld.com/article/3060174/sustainable-it/sol-voltaics-says-breakthrough-could-boost-solar-panel-efficiency-by-50.html> Thermoelectric photovoltaic hybrid Google this for more info

Power dense zinc-manganese power unit as cheap as a car battery:

http://www.gizmag.com/rechargeable-zinc-manganese-battery-pnnl/42930/?li_source=LI&li_medium=default-widget <http://www.pnnl.gov/news/release.aspx?id=4269>

“Scientists can now make lithium-ion batteries last a lifetime. Mya Le Thai solved the brittleness conundrum by coating a gold nanowire in a manganese dioxide shell and encasing the assembly in an electrolyte made of a Plexiglas-like gel. The combination, they said, is reliable and resistant to failure. Identical capacitors without the gel show cycle stabilities ranging from 2000 to 8000 cycles. With it, the nanowires stood up to 200,000 recharges.” <http://www.computerworld.com/article/3060005/mobile-wireless/scientists-can-now-make-lithium-ion-batteries-last-a-lifetime.html>

<http://www.chinatopix.com/articles/95485/20160716/china-claims-world-s-first-graphene-battery-mobile-phones.htm>

A Potato Battery Can Light Up a Room For Over a Month (Science teachers take note! DY)
A crop-based power system coming out of Israel is significantly cheaper than batteries, but why isn't anyone interested? <http://www.smithsonianmag.com/innovation/a-potato-battery-can-light-up-a-room-for-over-a-month-180948260/?no-ist> https://www.google.com/?qws_rd=ssl#q=Earth+Battery

<http://www.smithsonianmag.com/innovation/technology/> Other tech info.

<http://www.smithsonianmag.com/science-nature/journey-to-the-center-of-earth/> Earth info.

<http://www.smithsonianmag.com/innovation/fight-right-repair-180959764/> Ever repaired anything?

<https://ifixit.org/> “Why repair? Repair saves you money. It saves the environment. And it connects us to our things. Ditch the throwaway economy. Join the repair revolution.”

POLITICS

www.computerworld.com/article/3095501/technology-law-regulation/silicon-valley-execs-see-trump-as-a-disaster-for-innovation.html Silicon Valley execs see Trump as a 'disaster for innovation'

The H-1B positions of Clinton and Trump

<http://www.computerworld.com/article/3096103/it-careers/the-h-1b-positions-of-clinton-and-trump.html>

Evolution: Dems vs. GOP ... (Hmm... some things to think about: DY) Donald Trump

http://www.salon.com/2016/02/02/make_them_talk_about_evolution_why_wont_a_single_republican_presidential_candidate_admit_that_darwins_right/

<https://takethisskepticalblog.wordpress.com/2015/05/09/does-hillary-clinton-believe-in-evolution/> “With the political conventions set for the next two weeks, now is the time to offer a summary of where Donald Trump and Hillary Clinton stand on tech's top issue, immigration. clouds 616122 1920

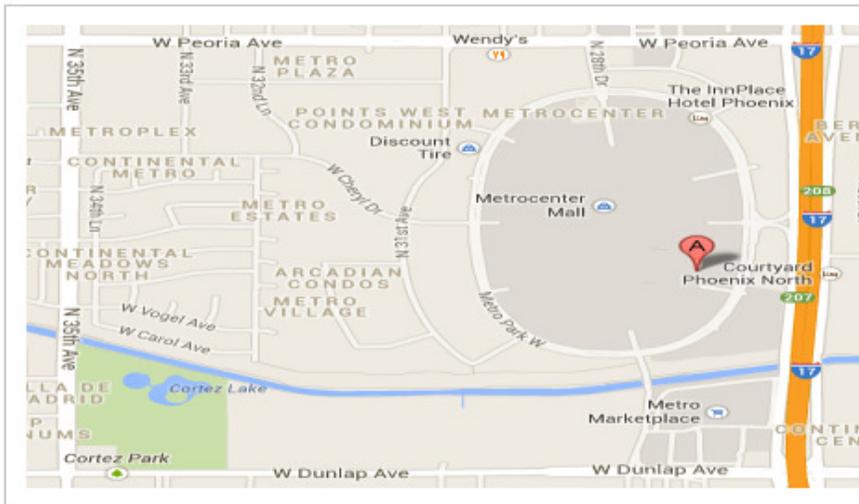
Silicon Valley fears Trump, the presumptive Republican nominee for president. A letter released Thursday and signed by about 150 technologists, inventors and entrepreneurs, said Trump would be a disaster for innovation. Much of their criticism was directed at his proposed immigration policies.

Clinton, the presumptive Democratic nominee for president, is far more aligned with Silicon Valley on immigration.” (See above web link for more info, DY)

Hillary Clinton disqualifies herself

<http://www.chicagotribune.com/news/columnists/kass/ct-hillary-clinton-emails-comey-kass-0708-20160707-column.html>

HOW TO GET THERE - MAPS TO MEETINGS



West-Side Meeting

CollegeAmerica

www.collegeamerica.edu/phoenix

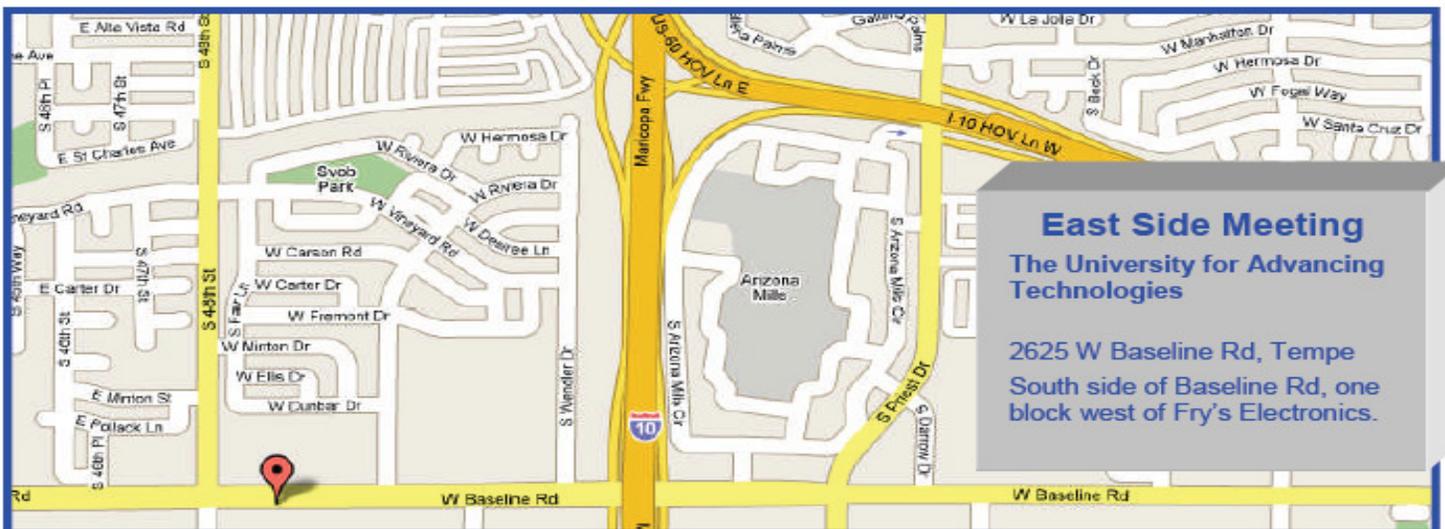
9801 N Metro Parkway East

Phoenix, AZ 85051

Phone: (602) 257-7522

Google map error, "the red A" is actually east side of Metro Parkway

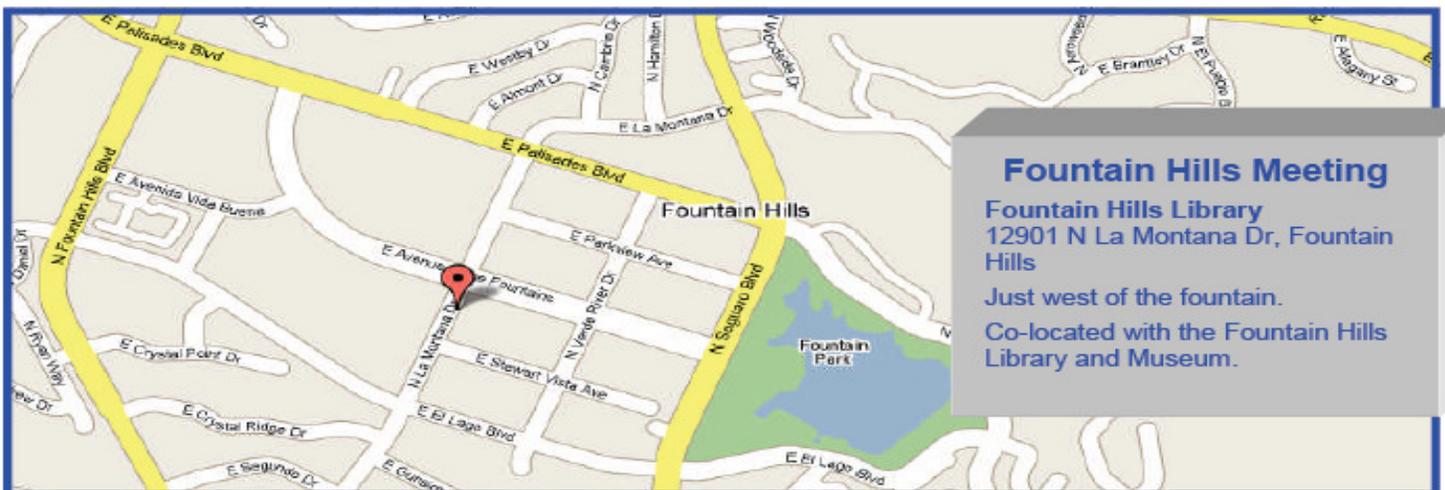
Exit Peoria Ave west, past I-17, turn first left, go south on the frontage road, turn right at the first driveway past Cheryl Drive. CollegeAmerica is the white building on your right (north). North of Castles & Coasters amusement park.



East Side Meeting

The University for Advancing Technologies

2625 W Baseline Rd, Tempe
South side of Baseline Rd, one block west of Fry's Electronics.



Fountain Hills Meeting

Fountain Hills Library
12901 N La Montana Dr, Fountain Hills

Just west of the fountain.

Co-located with the Fountain Hills Library and Museum.

MEMBERSHIP DUES

The Official Policy of the Phoenix PC Users Group is that we do not condone software piracy in any form.

*2016 DUES \$36, prorated
Example - \$9 for 3 months*

Phoenix PC Users Group Membership Application

First: (Print Legibly) _____ Initial: _____

Last: _____

Address: _____

City, State: _____ Zip Code: _____

Home or Cell Phone: _____ Work Phone: _____ Ext: _____

Please note: We **DO-NOT** share phone numbers outside the club, and will generally only use your phone information, if we cannot contact you in a timely fashion, via email, or the club website.

Receive Electronic PDF newsletter in place of a printed one: Yes _____ No _____

E-mail address: _____
(Print Legibly)

Signature _____ Date ____/____/____

Release my address to vendors ? Yes _____ No _____ Note: Phone numbers **will not** be listed.

May the club share your e-mail address with other members only? Yes _____ No _____

With club approved vendors? Yes _____ No _____

Mail this completed form with payment to:

**Phoenix PC Users Group
PO Box 45451
Phoenix, AZ 85064-5451**



*The Best Accessory
for your PC!*

APCUG2.ORG and AZACC.com member.

Our Web address: www.phoenixpcug.org also see www.phoenixpcug.org/newsletters

The Newsletter of the Phoenix Personal Computer Users Group
"Users helping users to understand computers".

**PHOENIX PC USERS GROUP
PO Box 45451
PHOENIX, AZ 85064—5451**

STAMP

PLEASE NOTE - OUR NEW ADDRESS

**