

September 2015

www.patacs.org

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If You Missed It

by Geof Goodrum

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If you can't make a meeting in person, remember that members can participate in meetings remotely and for free via Zoom teleconferencing (see <http://zoom.us/>, for Apple® OS X® and iOS, GNU/Linux®, Google Android™ and Microsoft® Windows®). Details are provided in e-mailed meeting announcements.

July 18, 2015 (Fairfax)

Paul Howard gave the introduction and solicited announcements. We are very happy that Lorrin Garson is contributing articles to Posts about Apple products now that Lorrin made the switch from Microsoft Windows (as he presented at the June Fairfax meeting). We also viewed the promotional video for the APCUG Annual Meeting in Las Vegas, 25-27 September 2015. APCUG extended the "early bird" registration discount (\$85) to 25 August. More information and the video are on the APCUG web site at <http://apcug2.org/apcug-2015-las-vegas-conference/>.

Paul reminded us that the next APCUG Virtual Technology Conference (VTC) is on 15 August, the same day as our Fairfax meeting, so we will watch Bill James' VTC presentation about

Microsoft Windows 10 online during the meeting.

Learn 30: Creating and Using PDF Files

Paul Howard gave the Learn 30 tutorial



about how to make and manipulate

Portable Document Format (PDF) files, but started out by stating there are many ways to do things on a computer, but this is what works for him. Paul's briefing slides are online at <http://patacs.org/recmtgspat.html>.

Paul gave some background history on PDF, which is a document file format developed and maintained by Adobe, Inc., but opened to allow other companies to use it in their products.

Paul demonstrated CutePDF Writer (<http://cutepdf.com/Products/CutePDF/writer.asp>), developed by a small company in Virginia. CutePDF Writer appears as a printer driver in Microsoft Windows, so any program that prints can generate a PDF file instead of a physical page output. When asked why anyone would create a PDF from a Microsoft Word document, Paul and others answered that a person receiving a document created with the latest version of Microsoft Office may not be able to read a .docx file but can view a PDF file with free software, the files are good for posting on web sites as they are readable in web browsers,

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PDF files may be smaller in e-mail attachments than the original document, and the creator of the PDF file has the option to restrict changes to the file (i.e., read-only PDFs).

Other comments included selecting pages to output to PDF using the print options, and using PDF format to reduce size of documents from optical scanners.

Paul also demonstrated searching for words in a PDF copy of the PATACS home web created with CutePDF Writer, and magnifying (zooming) the view of a PDF file up to 800x.

There was a comment that sometimes the original document page numbers were not the same as in the PDF document output. The response was that other elements in the original document can affect page numbering. Another comment was that scrolling the view of a PDF file sometimes jumps at page boundaries. There are preferences/options settings in PDF file viewers and creators that affect full page and scrolling views.

Adobe's PDF file viewer, Adobe Acrobat Reader (<https://acrobat.adobe.com/us/en/products/pdf-reader.html>) is a big download, but has lots of features. One unique feature that Paul demonstrated was the built-in text-to-speech screen reader. However, if you use Adobe Acrobat Reader, make sure to check for and install updates as it has a history of security holes.

Paul mentioned that he prefers to use standalone PDF file viewers over those built into recent web browsers. Two that he mentioned were Nitro Reader (<https://www.gonitro.com/pdf-reader>) and FoxIt Reader (<https://www.foxitsoftware.com/>). Nitro Reader allows highlighting and annotating text, which can be saved in the PDF file. However, Paul said that FoxIt Reader, though having some glitches in the past, also has extensive PDF markup tools and includes a 200 page manual.

Paul demonstrated the free version of PDF Split and Merge (<http://www.pdfsam.org/>), showing how he could drag and drop multiple PDF files in a dialog box, reorder them, and assign an output filename to merge six PDF files into one PDF document. The program can also split out single or multiple pages from one PDF file.

When asked for a recommended PDF file editor, Paul said that several are available, including from CutePDF.

Q&A Session



Q: Someone said that everything froze while using a web browser on his Windows PC and a pop-up on his screen asked "Are you sure you want to leave this page?" with a phone number to call for support. He was advised to stop his web browser program from Windows Task Manager and did not call the number. A full malware scan of the computer with AVG showed nothing.

A: It was correct not to call phone numbers in pop-ups, as the phone number may appear to be toll-free but victims may be billed. To start Windows Task Manager, simultaneously press the CTRL-ALT-DEL keys, select the Task Manager option, select the web browser in the running programs list, click and end the program task. The free version of Malwarebytes (<https://www.malwarebytes.org/>) may also help remove unwanted programs that trigger these pop-up warnings.

[Editor's Note: Scam pop-ups can be hosted on compromised or dodgy web sites without malware being on the PC, which may account for AVG not finding a problem. This also explains the "trap" that blocked the browser from leaving the web page. Stop the browser in Task Manager instead of clicking on any prompts in the pop-up window.]

Q: Anyone used the new Verizon router (\$199)?

A: Paul Howard never received an invitation from Verizon to buy something. The offer may not be from Verizon. If your current router is not

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broken, do not replace it. Another mentioned that Verizon is selling a new modem(?), which is supposed to be faster and have a longer range. This may not be a benefit for everyone, so call Verizon to ask.

Presentation: Tips for Buying and Enjoying a New TV

Randal “Scotty” Scott of the Fairfax County Department of Cable and Consumer Services (<http://www.fairfaxcounty.gov/dccs/>) gave a low-tech (marker and flip-chart) presentation on what to look for when buying a new TV, but provided a hand-out and county services brochure to attendees. The handout is posted on the PATACS Recent Meeting page (<http://patacs.org/recmtgspat.html>).

Scotty had some tips to reduce cable service costs, particularly when the initial promotion service period ends. Consider eliminating set top converter boxes on TVs used for local channels and use an antenna. The RCA 1251 model portable antenna is a good choice.

Another approach is to switch back and forth between

competing cable providers (at least 6 months between) to receive promotional pricing. An attendee suggested calling the cable provider to negotiate lower cost, but Scotty said recent experience is fewer providers are willing to negotiate.

The discussion covered the different definitions/resolutions of TVs. With new digital TVs at a widescreen ratio of 16x9, a TV of 31" diagonal is needed to be equivalent to a 25" diagonal analog set. However, Scotty recommends not getting anything smaller than a 40" TV, 1080p resolution for sets larger than 40", and 120Hz refresh to reduce jiggle in moving images. The newest sets feature 4K (or UHD) resolution, but no TV stations are broadcasting 4K and only Netflix and some satellite services



support 4K resolution, so Scotty does not recommend buying 4K TVs now. More programming in 4K may be available in another year or two, but cable companies may not use the bandwidth. Regardless, you need HD channel service to get value out of any High Definition set.

Scotty considers curved screens a gimmick, although there is an advantage in proportion. He also considers 3D a gimmick, but worth having if it does not add significantly to the cost of the set.

Scotty said to look out for misleading information in stores. Salespeople can promote lower price and resolution 720p sets as High Definition, so confirm whether the set is 720p or 1080p. Don't trust the apparent picture quality of sets in the store. Customers, clerks and manufacturer representatives can change

settings to make some sets look better. Either rebalance the settings yourself or ask a sales clerk to do so. When purchasing, use a credit card with extended warranty coverage. Store warranties are rarely needed.

Don't buy old technology LCD-only sets; LED-Backlit/LED Full-Array with local dimming are best.

Smart TVs have wired or wireless connection to Internet. “Dumb” Smart TVs only stream content from Internet, whereas “smart” Smart TVs have a built-in web browser (for e-mail, web searches, etc.). Scotty commented that web browsing on a TV is a rarely used feature that is slow and clumsy compared to using a PC/tablet/smartphone. Scotty suggested buying a Roku box (<https://www.roku.com/>) for a dumb TV to give it SmartTV features. Blu Ray disc players may also provide these features.

The best time to buy a new TV is after the International Consumer Electronics Show in January, before new models show up in April and May.

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Another TV purchase consideration is speaker placement. Most speakers are on the back or bottom to maximize screen size, but can affect sound quality. The sound may be okay when the set is against a hard wall to reflect the sound, but not if curtains or other objects behind the set muffle the sound. An add-on soundbar may be solution, but check if there is room below the TV for the soundbar.

Scotty recommends that TVs have at least three HDMI connections, as all modern video equipment should use HDMI. Some legacy equipment may use older connectors.

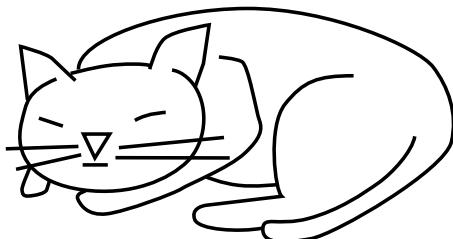
Surge protectors should be rated to handle power surges of at least 3000 Joules (J).

Some DVD players only do 480p, not High Definition. Scotty recommends getting a Blu Ray player, which upscales old DVDs to improve the apparent resolution of the video.

For recording, VHS can work, but Scotty highly recommends Digital Video Recorders (DVRs), which add \$12-15 per month if added to cable/satellite provider service.

If using an antenna for local channels, place it at least three feet from the TV, preferably near a window. Try different positions, then use TV settings to rescan channels after each move. You can also use an outdoor antenna, but inside the attic is almost as good.

There was a discussion about converting VHS videos to DVDs. The opinion was that it is not worth the cost except for family videos and hard to find movies. Member Kurt DeSoto recommended a local (Fairfax) video service, which has been added to the PATACS vendor page at <http://patacs.org/vendrecpat.html>.



Future Meeting Topics

Refer to the PATACS Event Calendar on the back cover or <http://patacs.org/mtgdetpat.html> for meeting time and location.

September 19, 2015 (Fairfax)

Learn 30: Apps for iOS and Android

Presented by Stan Schretter

This will be the first of an intermittent series on Apps for mobile devices. My presentation will look at my quandary at deciding which device, Apple or Android, to take on a trip for the review of photos taken with a DSLR. We will explore the paradox of some Google apps working better on iOS than Android, and the built-in dangers of apps that may automatically delete the photos from your camera's SD card without warning.

Stan Schretter is an OLLI member and has been avidly exploring technology since attaching ham radio antennas to his parents house roof at age 13.

Small Changes, Big Impact: Change Your Patterns, Change Your Life

Presented by Jennifer Katt

This session is designed to help people address the challenges of eating right and getting (and staying) fit for life. Jen raises relatable 'problem' issues, exposes common myths, discusses technology trends, and provide nutrition and exercise guidance to help participants transform unhealthy patterns into healthy ones.

Participants will:

- Learn things they didn't know and unlearn popular notions (no, you don't have to diet, join a gym, or buy special food!);
- Hear more about the various technologies available now for tracking and monitoring fitness and nutrition goals;
- Understand the growing "exercise is medicine" approach to lifelong health;
- Take part in select in-place exercises (learning proper form) that can increase lean body mass and help with range of motion;
- Get answers to commonly asked questions ("Why can't I lose weight and keep it off?");

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- Learn how to work around obstacles (“I have no time!”); and
- Walk away with fresh ideas they can implement immediately.

Jennifer Katt is a Certified Personal Trainer and Weight Management Specialist, and worked for many years at the National Institutes of Health. As the proprietor of Surround Fitness, she provides in-home fitness and nutrition training, discerning first a person’s fitness and nutrition goals and then designing a program tailored to meet them. Visit Jen’s website at www.surroundfitness.com.

September 23, 2015 (Arlington) Technology & PC Help Desk

Extended Question and Answer session; discuss topics of interest, share knowledge and get help with technology issues.

October Annual Meeting and Board Election

Election of PATACS at-large Board members. Watch for the election ballot in your e-mail.

Help Wanted: Meeting Speakers

Finding presenters for our meeting programs is difficult—your help in the effort to enhance the value we all receive from PATACS membership would be greatly appreciated!

Please consider speaking to your friends at an Arlington or Fairfax meeting. We’d love to feature your take on a smart phone or tablet app. A presentation on these or other topics of interest to you would undoubtedly be welcomed by your PATACS colleagues. We have space in our schedule for 15, 30, 60 and 75 minute discussions—what are you waiting for?

We also have ready-made paragraphs you could use in e-mail communications to help us find speakers. Contact: director2(at)patacs.org

Shopping on Amazon.com? Don't Forget PATACS!



If you shop online at Amazon.com, don’t forget to start each session by clicking the Amazon link on the PATACS home page, then continue

shopping on Amazon as usual. Doing so earns PATACS a 4 to 6.5% commission on your purchase at no additional cost to you.

Thank you for supporting your user group!



PATACS E-mail Discussion List

Join the PATACS members-only e-mail list to discuss topics of mutual interest, ask and answer questions, share resources, convey news, and increase our sense of shared community with fellow members.

Visit <https://groups.yahoo.com/neo/groups/PATACS-b/info> for more information.



Special Membership Promotion

Current members who bring a new member to the organization will receive a six month extension of their membership. New member is defined as someone who has not been a member in the thirty-six months prior to month of received application. The new member should list your name as the ‘source’ of their membership on the application form (pick up at meetings or download from <http://patacs.org/membershippat.html>).

Open Source News

Open Source Software of the Month: September 2015

by Geof Goodrum

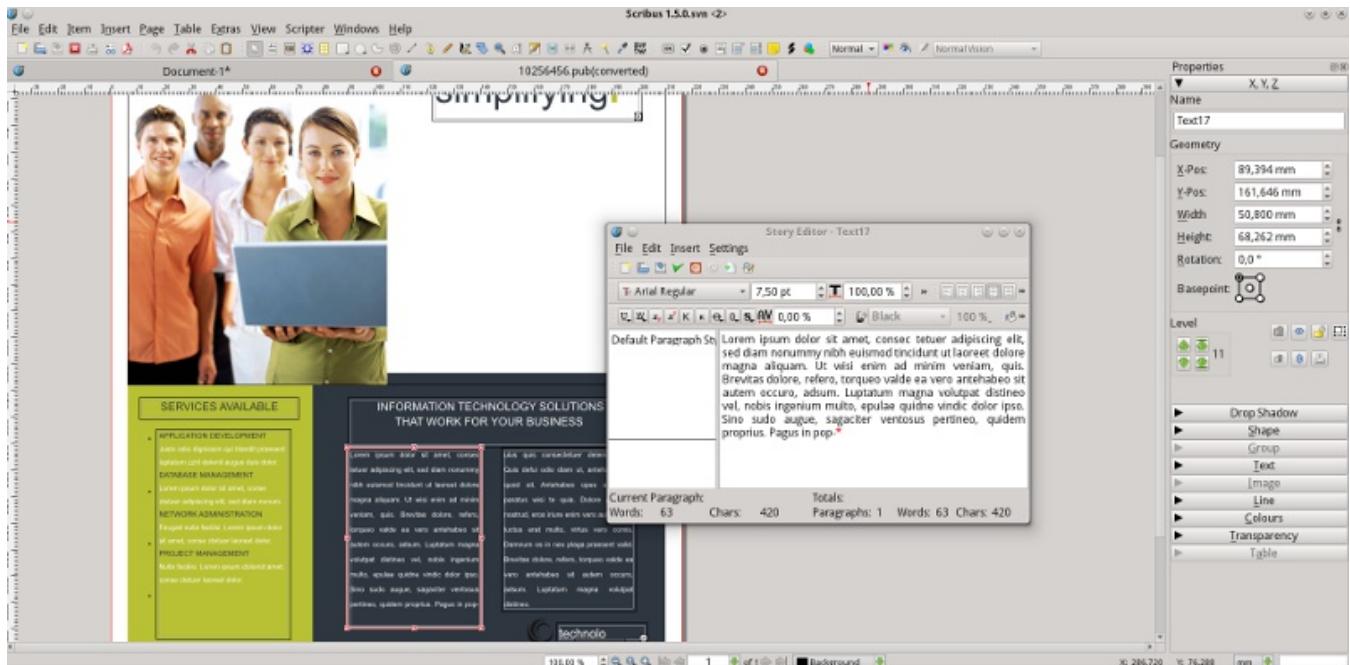
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Kernel Source – v4.1.4. <http://www.kernel.org/>. Free GNU General Public License source code for Linux® by Linus Torvalds et al.

MusicBrainz Picard – v1.3.2.

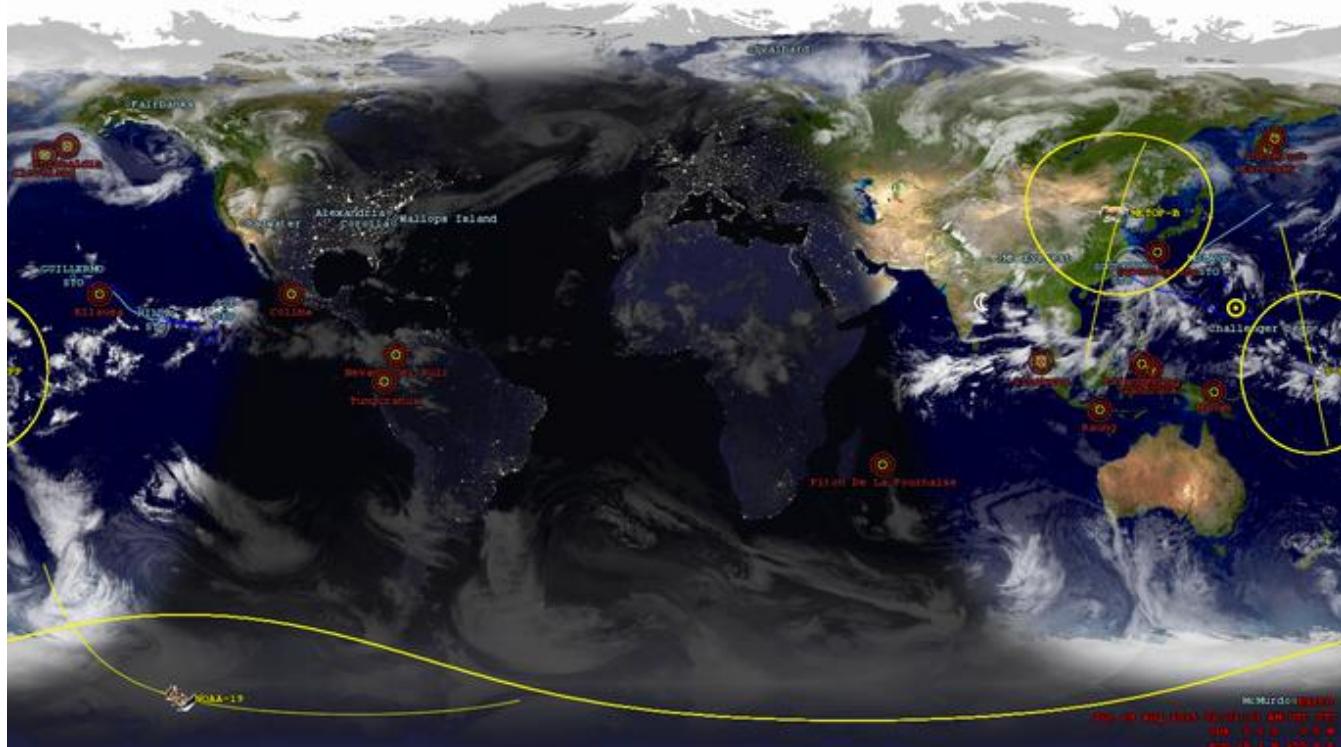
<http://picard.musicbrainz.org/>. Free GNU General Public License Python code for Microsoft® Windows®, Apple® OS X® and GNU/Linux® by Lukáš Lalinský, Robert Kaye and

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Above: Scribus 1.5 page layout application

Below: Xplanet rectangular projection of earth with optional cloud layer and location markers for sun, moon, active volcano and satellite locations.



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Philipp Wolfer. MusicBrainz Picard is a cross-platform application written in Python and is the official tagger for the MusicBrainz open music encyclopedia.

Picard supports the majority of audio file formats, is capable of using audio fingerprints (AcoustIDs), performing CD lookups and disc ID submissions, and it has excellent Unicode support. Additionally, there are several plugins available that extend Picard's features.

When tagging files, Picard uses an album-oriented approach. This approach allows it to utilize the MusicBrainz data as effectively as possible and correctly tag your music.

Scribus – v1.5. <http://www.scribus.net/>. Free GNU General Public License source code and executables for Microsoft® Windows®, Apple® OS X® and GNU/Linux® by The Scribus Team. Scribus is a page layout program for Linux, FreeBSD, PC-BSD, NetBSD, OpenBSD, Solaris, OpenIndiana, Debian GNU/Hurd, Mac OS X, OS/2 Warp 4, eComStation, Haiku and Windows.

Underneath a user-friendly interface, Scribus supports professional publishing features, such as CMYK colors, spot colors, ICC color management and versatile PDF creation.

Scribus has many unexpected touches, such as powerful vector drawing tools, support for a huge number of file types via import/export filters, emulation of color blindness or the rendering of markup languages like LaTeX or Lilypond inside Scribus. The Scribus file format is XML-based and open. Unlike proprietary binary file formats, even damaged documents can be recovered with a simple text editor – sometimes a challenging problem with other page layout programs. Scribus has been translated into more than 25 languages, and more are coming in the future.

Stella – v4.6.1. <http://sourceforge.net/projects/stella/>. Free GNU General Public License source code and executables for Microsoft® Windows®, Apple® OS X® and GNU/Linux® by Bradford W.

Mott and Stephen Anthony. Stella is a multi-platform Atari 2600 VCS emulator. It allows you to play all of your favorite Atari 2600 games again!

Xplanet – v1.3.0. <http://sourceforge.net/projects/xplanet/>. Free GNU General Public License source code and executables for Microsoft® Windows® (requires Cygwin), Apple® OS X® and GNU/Linux® by Hari Nair. Xplanet is a solar system simulator that calculates accurate positions for the major planets and satellites. It displays multiple bodies, eclipse shadows, and customizable labels and markers.

LibreOffice 5.0 Stands Out from the Office Suite Crowd

by Italo Vignoli

Reproduced with permission from The Document Foundation official blog,

<https://blog.documentfoundation.org/2015/08/05/libreoffice-5-0-stands-out-from-the-office-suite-crowd/>

Windows 10 compatibility and superior interoperability features

Immediately available for Linux, MacOS X and Windows

Berlin, August 5, 2015 – The Document Foundation announces LibreOffice 5.0, the tenth major release since the launch of the project and the first of the third development cycle.

LibreOffice is a full feature open source office suite which compares head to head with every product in the same category, while it stands out for superior interoperability features.

LibreOffice 5.0 builds on the success of the 4.x family, which has been deployed by over 80 million users (source: TDF estimate, based on users pinging for updates), including large organizations in Europe and South America.

LibreOffice 5.0 sports a significantly improved user interface, with a better management of the screen space and a cleaner look. In addition, it offers better interoperability with office suites such as Microsoft Office and Apple iWork, thanks to new and improved filters to handle non

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standard formats. Other improvements have been added to every module of the suite, and Windows 64bit builds (Vista and later) have been added.

LibreOffice 5.0 Highlights

A new version for new endeavours: LibreOffice 5.0 is the cornerstone of the mobile clients on Android and Ubuntu Touch, as well as the upcoming cloud version. As such, LibreOffice 5.0 serves as the foundation of current developments and is a great platform to extend, innovate and collaborate!

A beautiful office suite designed by a fantastic community: With new icons and major improvements to menus and sidebar, LibreOffice looks nicer and helps users in being creative and getting things done the right way. In addition, style management is now more intuitive thanks to the visual preview of styles right in the interface.

Spreadsheets that rock: LibreOffice 5.0 ships with an impressive number of new and enhanced spreadsheet features: complex formulae, new functions, conditional formatting, image cropping, table addressing and much more. Calc's blend of performance and features makes it an enterprise-ready, heavy duty spreadsheet capable of handling all kinds of workload for an impressive range of use cases.

Better filters for better documents: LibreOffice 5 ships with many improvements to document import and export filters, for an enhanced document conversion fidelity all around. In addition, it is now possible to timestamp PDF files generated with LibreOffice.

A complete list of the most significant new features is available on the accompanying press release, and has also been published on the website at the following link:
<http://www.libreoffice.org/discover/new-features/>.

LibreOffice 5.0 has also been improved “under the hood,” thanks to the precious work of

hundreds of volunteers. According to Coverity Scan, the number of defects for 1,000 lines of code is now consistently below 0,001. This translates into an open source office suite which is not only easier to develop but it's also easier to maintain and debug. In fact, the amount of solved bugs is now over 25,000, and is increasing rapidly.

Last, but not least, LibreOffice 5.0 has been improved in terms of quality and stability thanks to a large number of tests performed on new builds by going through thousands of documents to spot crashers, bugs and regressions.

“In 2010, we inherited a rather old source code, which had to be made cleaner, leaner and smarter before we could reasonably develop the office suite we were envisioning for the long term,” says Michael Meeks, a Director at TDF and a leading LibreOffice developer. “Since 2010, we have gone through three different development cycles: the 3.x family, to clean the code from legacy stuff; the 4.x family, to make the suite more responsive; and the 5.x family, to make it smarter, also in terms of user interface.”

A summary of what has happened “under the hood” of LibreOffice 5.0 is available here:
<http://users.freedesktop.org/~michael/under-the-hood-5-0.html>.

“LibreOffice 5.0 is such a good product that people used to legacy open source office suites feel overwhelmed by the amount of new features and improvements,” adds Thorsten Behrens, TDF Chairman and leading LibreOffice developer. “Switching from any Ooo derivative to LibreOffice is a giant leap into the future of free office suites.”

Availability and enterprise deployments

LibreOffice 5.0 represents the bleeding edge in term of features for open source office suites, and as such is targeted to technology enthusiasts, early adopters and power users.

For enterprise class deployments in organizations of any size, TDF maintains the

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more mature 4.4.x branch (now at 4.4.5). In any case, TDF suggests to deploy or migrate to LibreOffice only if the project is backed by certified professionals providing Level 3 support, migration consultancy or training courses according to recognized best practices (<http://www.libreoffice.org/get-help/professional-support/>).

LibreOffice 5.0 is immediately available from the following link: <http://www.libreoffice.org/download/>. LibreOffice users, free software advocates and all community members can support The Document Foundation with a donation at <http://donate.libreoffice.org>.

Privacy Badger 1.0 Is Here To Stop Online Tracking!

by Cooper Quintin and Noah Swartz

Reproduced with permission from the Electronic Frontier Foundation's DeepLinks Blog, <https://www.eff.org/deeplinks/2015/08/privacy-badger-10-here-stop-online-tracking>

Privacy Badger 1.0 – New Ways to Stop Sneaky Trackers

August 6, 2015 - EFF is excited to announce that today we are releasing version 1.0 of Privacy Badger for Chrome and Firefox. Privacy Badger is a browser extension that automatically blocks hidden trackers that would otherwise spy on your browsing habits as you surf the Web.

More than a quarter of million users have already installed the alpha and beta releases of Privacy Badger. The new Privacy Badger 1.0 release includes many improvements, including being able to detect certain kinds of super-cookies and browser fingerprinting—some of the more subtle and problematic methods that the online tracking industry employs to follow Internet users from site to site. Other enhancements in Privacy Badger 1.0 include: significant UI improvements, translation into 4 different languages (with more on the way), easier customization of your Privacy Badger



settings, improvements to stability, and support for Version 1.0 of EFF's recently announced Do Not Track Policy.

How does Privacy Badger work?

As you browse the Web, Privacy Badger looks at any third party domains that are loaded on a given site and determines whether or not they appear to be tracking you (e.g. by setting cookies that could be used for tracking, or fingerprinting your browser). If the same third party domain appears to be tracking you on three or more different websites, Privacy Badger will conclude that the third party domain is a tracker and block future connections to it.

For certain websites, if Privacy Badger were to block an embedded domain entirely it would break the site's core functionality. For example, if Privacy Badger were to block 'licensebuttons.net,' Creative Commons buttons would no longer load. In these cases Privacy Badger blocks the domain from setting or receiving any cookies or 'referer' headers, but allows the embedded content to load.

Putting an End to Non-consensual Browser Tracking

Advertising companies have made the non-consensual tracking of people's Web browsing habits alarmingly widespread. Privacy Badger is our answer to that problem.

Often, users aren't aware that they're being tracked around the Internet by dozens of different companies. Even if you know what's up, changing browser settings to make yourself safe is essentially impossible. The advertising industry has proposed opt outs that are better described as "pretend not to track", with an emphasis on hiding the symptoms of tracking rather than actually preventing it. But users still need a way to opt-out of the non-consensual collection of their data.

To be clear, EFF isn't against websites seeking to build businesses around advertising. More business models means a more vibrant Web. But

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advertising cannot come at the expense of user privacy and the inviolable principle of consent. Until the online tracking industry changes its ways, the only option for users is to protect themselves by installing tools such as Privacy Badger.

Privacy Badger 1.0 works in tandem with the new Do Not Track (DNT) policy, announced earlier this week by EFF, Disconnect, Medium, Mixpanel, Adblock, and DuckDuckGo. Installing Privacy Badger also enables the DNT flag as a clear signal to sites that the user wants to opt-out of online tracking. Privacy Badger inspects third party sites for a commitment to honor that request under the DNT Policy; if it finds one, it will unblock that third party by default. That way, web services that do the right thing by users can continue to collect anonymous data or show anonymous ads, while those that don't will be foiled by the Badger's protections.

With DNT and Privacy Badger 1.0, Internet users have important new tools to block stealthy

online tracking and the exploitation of their browsing history. Download Privacy Badger now, protect yourself against invasions of privacy, and help to build a cleaner, leaner and more privacy-friendly Web for all of us.

Musings of an Apple Tyro

by Lorrin R. Garson

Potomac Area Technology and Computer Society newslettercolumnist(at)patacs.org



How Much Space is Left?

Everyone wants to know, from time to time, how much capacity remains on their storage devices attached to their computer. The easiest way to do this is: Click on (t) in the menu at the top, then select “About This Mac”, which will result in the display of Figure 1.

Then left-click on the “Storage” tab which will display the usage of each device attached to your Mac (Figure 2).

Note the Macintosh HD (actually not a hard disk, but rather a solid state drive—“Flash Storage”)

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The screenshot shows the 'About This Mac' window in OS X Yosemite. At the top, there are tabs for Overview, Displays, Storage, Memory, Support, and Service. Below the tabs, the text 'OS X Yosemite' and 'Version 10.10.3' is displayed. To the left is a large circular icon with a stylized 'X'. To the right of the icon, the system specifications are listed:

- iMac (21.5-inch, Late 2013)
- Processor 3.1 GHz Intel Core i7
- Memory 16 GB 1600 MHz DDR3
- Startup Disk Macintosh HD
- Graphics NVIDIA GeForce GT 750M 1024 MB
- Serial Number D25ND0YJF8J8

At the bottom of the window are two buttons: 'System Report...' and 'Software Update...'. A copyright notice at the very bottom reads: "TM and © 1983-2015 Apple Inc. All Rights Reserved. License Agreement".

Figure 1. About This Mac

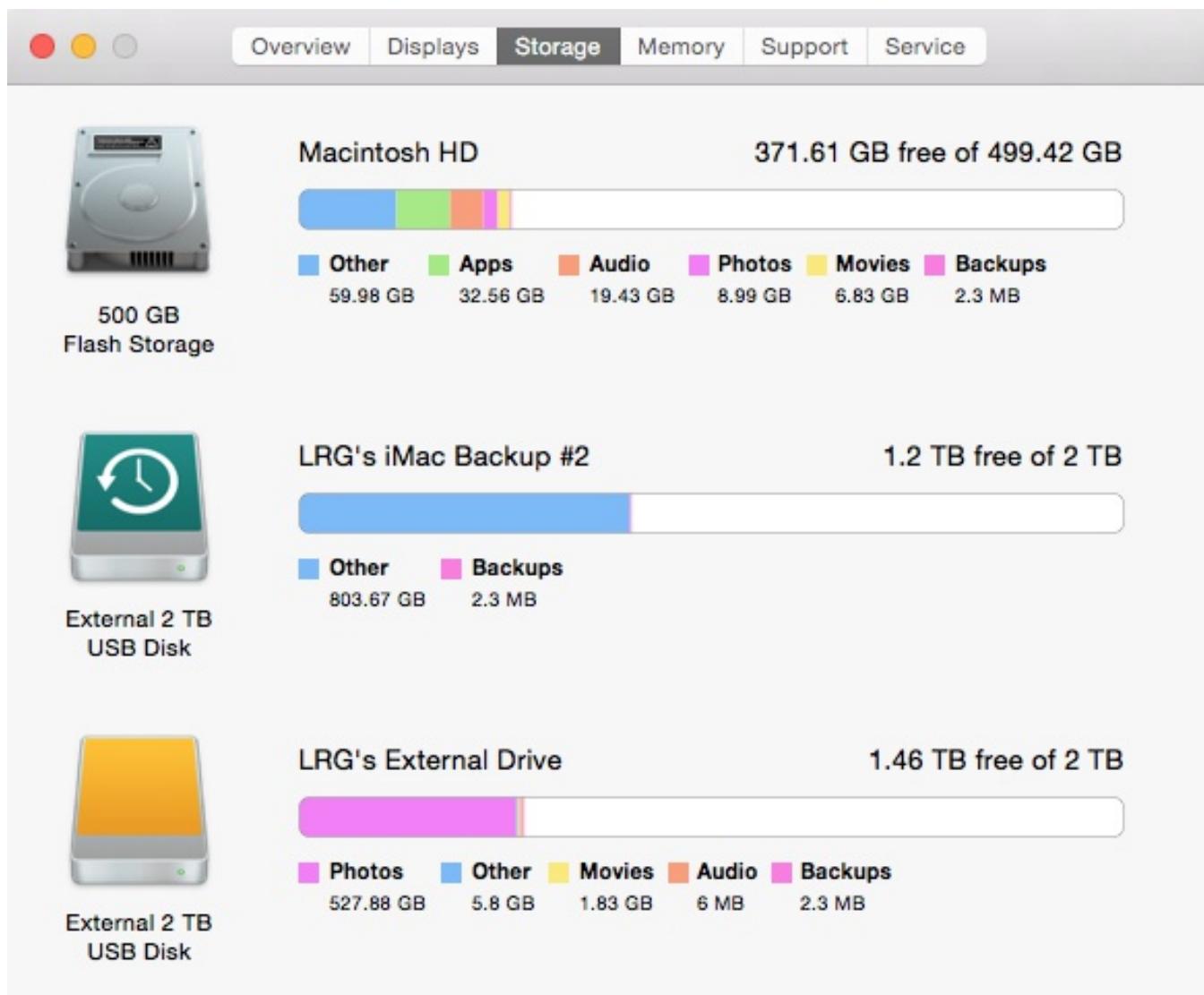


Figure 2. Storage usage of each Mac device

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has 371.61 GB free out of a total of 499.42 GB. Likewise LRG's iMac Backup #2 has 1.2 TB free out of 2 TB and LRG's External Drive (a USB drive) has 1.46 TB free out of 2 TB. The types of data storage on each device are also displayed.

Wireless Diagnostics

Occasionally problems arise with your Wi-Fi network. OS X (10.8.4 and newer) provides a useful tool call "Wireless Diagnostics" that can be helpful. The application can be started-up by keying CMD+Spacebar and entering "Wireless

Diagnostics" in "Spotlight Search"¹. When the application is displayed double-click on that object to display the Introduction as shown in Figure 3 then proceed from there.

Battery Replacement for iOS Devices

Apple has made it easier to replace poor performing batteries in iPhones, iPads and Apple Watches. Those with AppleCare+ can now have batteries replaced by Apple if a battery holds less than 80 percent of original capacity. Formerly the threshold was 50%. This policy change only

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¹The Wireless Diagnostics app actually resides in Macintosh HD\System\Library\CoreServices\Applications.



Figure 3. See <http://apple.co/1K7e0OM> for detailed instructions on how to use Wireless Diagnostics

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applies to devices purchased after April 9, 2015. See <http://apple.co/1Ma1S2V> for details, section 3.1 Hardware Service.

Defective 3 TB Hard Drives

Apple has determined “a very small number” of 3 TB hard drives used in 27-inch iMac computers may fail under certain conditions. These systems were sold between December 2012 and September 2013. “Apple recommends replacing affected hard drives as soon as possible.” If you purchased such an iMac you should visit <http://apple.co/1OcRsxz> and follow the directions given.

Keyboard Symbols

Keyboard symbols are frequently used in describing a wide variety of shortcuts and actions. For example, ⌘↑ (COMMAND+Up Arrow or CMD+↑) means simultaneously hold down

these two keys to “go to the parent folder” when you are working in a particular folder. Table 1 provides the most common symbols used for keys on Apple keyboards (OS X). This information was taken from <http://bit.ly/1Jhcqfp> that has an amazing amount of useful information about keyboard shortcuts, multi-touch gestures and related topics.

More Keyboard Shortcuts

In the previous issue of PATACS **Posts**, six keyboard shortcuts were described. In Table 2 are additional commonly used keyboard shortcuts.

See <http://apple.co/1RyFvaW> for a list of keyboard shortcuts from Apple and <http://bit.ly/1Jhcqfp> for an extensive list of keyboard shortcuts, menu symbols and “many things Mac.”

Table 1. Meaning of Apple keyboard symbols

Symbol	Key on Keyboard
⌘	Command (or Cmd) Like the Control key on Windows/PC. Formerly known as the Apple key.
⌥	Option (like Alt on Windows/PC)
⇧	Shift
⌃	Control (Control-click = Right-click)
⇥	Tab
⏎	Return
⌞	Enter (on Number Pad)
⏏	Eject
⌚	Escape
⇞	Page Up
⇟	Page Down
↖	Home
↘	End
←↑↓→	Arrow Keys

Table 2. Six Additional Common Finder Shortcuts

Function	Keyboard Sequence	Comments
Park object in the Dock	CMD+M	Park current object (file, folder) in the Dock
Logout	CMD+Shift+Q	Click on “Log Out” or wait 60 seconds to log out
Invoke Spotlight	CMD+Spacebar	Invoke Spotlight for searching
Display Documents	CMD+Shift+O	Displays the Documents folder/directory
Create a new folder	CMD+Shift+N	Creates a new “untitled folder” in the current location
Delete an object	CMD+Delete	Removes a highlighted file or folder (object) to the trash can

JCA SeniorTech Training

JCA SeniorTech Computer Centers offer diverse senior-friendly (50+) technology classes (personal computers, tablets, smartphones, online security, etc.). Offerings include beginner and intermediate computer classes in Windows 7, Windows 8, Excel, iPad and iPhone, email, photos, and social media.

SeniorTech is a service of the Jewish Council for the Aging (JCA). Within the limits of its resources, JCA serves people of all faiths and from all walks of life.

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Washington DC Area Training Locations

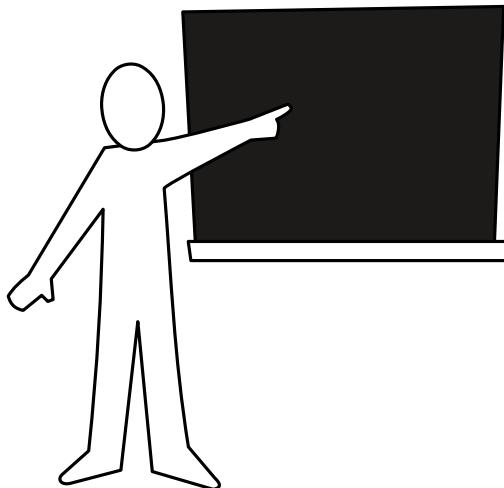
Asbury Methodist Village, 409 Russell Ave, Gaithersburg, MD, 301-987-6291

JCA Bronfman Center, 12320 Parklawn Drive, Rockville, MD, 301-255-4200

Microsoft at Westfield Montgomery Mall, 7101 Democracy Blvd, Bethesda, MD, 301-765-3080

Microsoft at Tysons Corner, 1961 Chain Bridge Rd, McLean, VA 22102, 703-336-8480

Crystal City Shops, 1750 Crystal Drive, Suite 1638B, Arlington, VA, 703-941-1007
<http://va-seniortech.org/>



Micro Center® In Store Clinics

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Micro Center stores host free events called "In Store Clinics." The clinics cover a wide range of topics. All Micro Center store locations follow the same schedule of topics.

A link for store locations is at the top center of the home page, www.microcenter.com. For those in the Washington, D.C. area, the only store in Virginia is in the Pan Am Plaza at 3089 Nutley Street, Fairfax, VA 22031, phone (703) 204-8400, and the only store in Maryland is in the Federal Plaza at 1776 E. Jefferson #203, Rockville, MD 20852, phone (301) 692-2130.

Micro Center Clinics are held on most weekends, except during holidays. The same topic is usually presented on both Saturday and Sunday. Topics may change and clinics may be cancelled without notice. Please verify the schedule with the store before leaving and register online for e-mail updates (<http://www.microcenter.com/site/stores/instore-clinics.aspx>).

Signing up in advance reserves a seat, recommended as space is limited. This can only be done at a store, either at the Tech Support or Customer Support area.

August – September 2015 Schedule

Start Time is 2pm local unless otherwise stated.

Aug 22 & 23: 3D Printers

Aug 29 & 30: Raspberry Pi

Sep 5 & 6: Windows® 10

Sep 12 & 13: Wireless Networking



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Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2 7-9pm Arlington General Meeting	3	4	5 International Bacon Day 
6	7 Labor Day 	8	9 7-9pm Online Zoom Meeting	10	11	12
13	14	15	16	17	18	19 Software Freedom Day 12:30-3:30pm Fairfax General Meeting
20	21 7-9pm Arlington Board Meeting	22 Organize Cables and Plugs Day 	23 7-9pm Arlington Technology & PC Help Desk	24	25	26 November Newsletter Articles Due
27	28	29	30			

Arlington: Carlin Hall Community Center
5711 4th Street South
Arlington VA 22204

Fairfax: Osher Lifelong Learning Institute
4210 Roberts Road
Fairfax VA 22032