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Some Past Presentations:

Open Source and Free Software
Protecting Your Identity
Keeping Mobile Devices Secure
Mobile Payments
Flash Drives-Not Just for Storage
Features, Mac OS X & Windows
Tablets, the Programs and Uses
Personal Finance Software
Amazing Browser Tips
Linux is Like Cars
Close up Photography



The Rochester Computer Society, Inc. a computer club open to everyone

MONITOR

Vol. 35, No. 5

May 2017

Tuesday, May 9

Search With Better Results With Google,
by Hewie Poplock, via Skype
Central Florida Computer Society

Tuesday, June 13

The Connected Home
by Arpad Kovacs, RCSI

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Shareware and Freeware

By Kent Mulliner, Past-President
Bristol Village Computer Club, OH

The two terms, shareware and freeware, are used interchangeably and refer to software that is available without a required payment (examples include Firefox, and the Libre Office Suite). As an alert, we should be aware that these are usually developed / written by goodhearted individuals or groups, but the absence of a revenue source can be a constraint on maintaining and developing the refinements needed by software in a rapidly changing environment. Increasingly, we are seeing Shareware groups seeking donations to offset commercial revenue.



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Special Interest Group

Linux Sig

The workshop is the **third Saturday of each month**, at Interlock Rochester, 1115 East Main St. www.interlockroc.org



Enter through door #7 on the end of building, near *Comics Etc* and Goodman St. Find 'Interlock' on the intercom directory to get buzzed in and go upstairs to suite #200. We have experts on hand to fix problems and answer questions about Linux and FOSS (free and open source software). Bring your system in so we can help you get the most out of it. Hope to see you there.

Free, online
**Virtual Technology
Conferences**,
presented by APCUG
Saturdays from 1-5 pm, on

May 6, 2017
August 19, 2017
November 4, 2017

Examples include LibreOffice and Thunderbird (this latter was developed by the Mozilla group but they have decided that it is not fair to Mozilla users to transfer revenue to maintain Thunderbird. Thus they are seeking voluntary donations from Thunderbird users to further develop and maintain the program.

Approached practically, encouraging freeware/shareware development through donations is self-serving. The donations enable more active development and maintenance programs to keep the software up to date. The absence of freely given revenue can threaten the continuance of such software.

A current example is Open Office which was the forerunner of LibreOffice. It was developed by Sun Computing (which was bought by Oracle). In the initial purchase, many staff working with Open Office opted to join together to independently develop the software further and hence the birth of LibreOffice. Others stayed with Open Office but they also left Oracle and opted for the umbrella of Apache software (a shareware server company).

The latest word from this group is that they have decided to retire Open Office. In 2015, Open Office had a single update in October while LibreOffice had 14 over the course of the year. While some updates may correct minor bugs, more importantly is that they correct vulnerabilities [to malware] that have been discovered. Apache Open Offices vice president explained that it faced a severe shortage of staff to address vulnerabilities and that it was hard to adhere to the company's commitment of publicly announcing all vulnerabilities discovered without being able to correct (patch) those vulnerabilities.

The lesson is that while we can appreciate the availability of freeware/shareware, this is only possible if funding is available to support development of the software. It is like National Public Radio. It is only available as long as people are committed to and able to assure its continuance at a quality level that you should demand (and you can make such a demand only because you have paid to make maintenance of that quality possible.

From the September 2016 issue BVCC Newsletter, www.bvres.org, webmaster@bvres.org.

Back to Basics

Being a Great Student at Any Age

Chairman, Forums Committee
Sarasota Technology UG, Florida

We recently had a STUG "Teachers' Meeting" hosted by Nancy DeMarte and Bill Crowe. I mention their names because they organized and hosted the meeting, and did a great job. Most of our STUG instructors attended and we learned a lot from each other, especially from Bill Crowe's presentation.

One of the areas of discussion was how we as teachers could do a better job teaching YOU, our members who attend our classes and forums. But there is the other side, the student side, which also needs some attention.

We as teachers enjoy teaching and helping others. But we need more volunteers to make our jobs easier. If more people got involved only a LITTLE BIT, it would make a HUGE difference in our classes, content, and quality. Can you spare only two or three hours a month? Computer knowledge is NOT a requirement to help us. With your help, even more classes and forums could be offered, to help you and other STUG members with their computer education and technology needs.

No matter what your age, being a good student helps everyone else in your class as well as the instructor. At

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Planning Meeting

Held on 1st Tuesday of each month
at 7 pm, at St. John's Meadows,
Briarwood building.

Newsletter Printing

The March newsletter was printed
at St John's/Chestnut Court by the
printing group of Don Nichols, Bill
Sheridan and Don Wilder
(computer and printer operator).
We will try and print on the 1st or 2nd
Thursday morning, following the
monthly meeting.

STUG, almost all students come to class eager to learn because they signed up for the class – it was their choice to attend, they want to be there. Being a good student really starts with a good positive and FUN attitude toward your classmates, the subject being taught, and your instructor. Such an attitude is contagious and makes the whole class experience enjoyable for everyone. You can be as positive and enthused as anyone, but if you hide it so no one can see it, well, it does not help anyone else. Smile and let others see you are there to have fun and learn something new.

Having said the positive, here are some real “downers” that can affect everyone in a negative way. Have you ever noticed attitudes like these?

- The class is free, so I will just go and get what I can out of it.
- It is the instructor’s job to teach me so I don’t have to do anything outside of the class.
- I don’t think I would ever use that, so I am not going to waste my time learning it.
- I don’t have time to try anything on my own or read the class handouts.
- Why can’t the instructor take time to show me on my computer what I need help with?
- If I haven’t learned it in class, it is the instructor’s fault.
- I just want to learn how to use (name of app), I don’t want to waste time learning anything else.

Could a change of attitude really help? How about the following “pluses”?:

- My class is coming up next week so I think I will ask Google some questions and maybe watch a YouTube video on the subject – I might find out some good questions to ask.
 - I will arrive on-time for each class. If I cannot attend I will CALL, the instructor right away so that other students may take my place.
 - I will read the handouts and have some suggestions to improve them.
 - I will email the instructor my questions that I didn’t want to ask in class.
 - Even though I don’t think I may use it, I will try to learn something new because it may come in handy with something else I will do in the future.
 - I will offer to help in some way in the training program.
 - I will encourage a fellow classmate in my class.
 - I will pretend that I paid over \$100 for the class.

As teachers, we have committed to providing all students a feedback form at the end of each class. This way you can tell us (anonymously if you like) things you would like improved or changed. What always seems to be amazing to me is that there are always suggestions for classes – specific topics or technology – but always a lack of teachers and teacher’s aides to teach them. Ideas are many and volunteers make them happen. If you can do as little as using your telephone you can help us provide more and better classes and instruction, so pick up the phone – it’s not heavy.

Hope to see you in a class real soon! From the November 2016 issue, Sarasota Technology Monitor, www.thestug.org, jimcerny123@gmail.com.

My Chromebook-only Trip

I tested a Google Chromebook. On a business trip, can I do every task I need to do, where I need to do it, without major inconvenience?

I'm writing this on a \$200 ASUS Chromebook. If that's not something you've heard of, I'll explain what it is in a moment. If you know what a Chromebook is, then you also understand why what I'm trying is significant.

I'm returning from a five-day business trip during which I decided to see whether I could accomplish everything I need to do using a Chromebook. Why? Because Chromebooks can be less expensive – and, more importantly, safer – than the traditional Mac or Windows alternatives. And because if I can, chances are you can, too. As I sit in the Dallas / Fort Worth airport on the way home, it certainly looks like I can.

Chromebook

There are variations, but a Chromebook is really nothing more than a laptop PC running the Google Chrome operating system. The Chrome operating system is, essentially, a Linux variant that (in a pragmatic sense, if not a technical one) is centered around the Google Chrome web browser.

Naturally, it's more complex than that. While you can install the Chrome OS onto PCs, like any other operating system, the result isn't really a Chromebook. The true, fully featured Chrome operating system is available only by purchasing a device with it pre-installed. Laptops are the most common, but also available are a "Chromebase" (more like a desktop PC), the "Chromebox" (a small box into which you plug in a keyboard, mouse and monitor), and a "Chromebit" (which simply plugs into a monitor's HDMI port).

The Chrome OS does not run Windows, Mac, or even Linux programs. Instead, a variety of apps come pre-installed, and you have access to the Chrome web store to get more, many of which are completely free. In addition, the ability to access the Google Play store and download and run Android apps is becoming available to some (though not all) Chromebooks.

Even without the Android availability, many "apps" are simply browser extensions you may already be familiar with. The LastPass extension – a key utility for me – is just one example. More interestingly, the majority of apps available may be apps you already use or are at least familiar with. They include:

- Google Docs
- Google Mail (Gmail)
- Google Photos
- Google Music
- Google Drive
- YouTube

I'm sure you can see a trend here: all the online Google apps work on ChromeBooks – many (if not most) in both online and offline modes. Even if you don't already use them, many are compatible with the desktop programs you do use.

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Computer Recycling

Some Residential Drop off Locations: **Call first**, to find out what is accepted, especially for 'tube type' tvs or monitors.

Brockport Computer

---(Brockport), 585-637-6420

J & N Computer Services

---(Fairport), (855) 333-3482

Computer Doctor of Rochester

---(Henrietta), 585-272-9960

Stereo Shop

---(Henrietta), 585-424-1820

TSC Computer & Electronics

Repair, accepts most electronic waste, including printers. Does not accept crt type monitors or tvs.

They are located at 765 Elmgrove Road, Gates. 429-6880, www.tscelectronics.com

Microworx

accepts most electronic waste (large monitors/crt's, 50 cents/pound), located at 20 Allens Creek Road. Brighton. 585-271-0050

What my test entails

My test is actually very simple: during this business trip, can I do every task I need to do, where I need to do it, without major inconvenience?

So, what is it I need to do?

- **Email.** Probably my number one task. Since I already use the Gmail web browser interface on both my Macs and PCs, and from within the Google Chrome browser, this worked seamlessly.
- **Online research.** Also know as “googling,” or “surfing the web,” and visiting websites for a variety of reasons. *The* major application on a Chromebook is the Google Chrome browser, and it works just as it works on my PCs and Macs.
- **Website administration.** My sites are on WordPress, and the WordPress administration interface is, once again, just a web page I already access from within Chrome. It just works.
- **Content creation.** This is really just a variation of website administration, since I write my articles directly in WordPress. In addition to the article I’m typing right now, I also completed and published a post on my personal blog during the flight here, and have queued up new content on *Not All News Is Bad*.
- **Information consumption.** Facebook, Twitter, and Feedly (my RSS reader, which monitors new content on dozens of websites) are all just websites, so they all just work.
- **Note-taking.** I’m at a conference. I want to take notes. While I do use a moleskin for a lot of it, at times it’s important to be able to transfer those notes online for my use elsewhere, as well as backup. The Evernote web interface just works.

I could go on, but at this point it’s worth noting that anything that’s “just a website” works. I could add to or download files from my Dropbox, even read my Kindle books – all because these services offer web-based interfaces that work on Google Chrome, whether it’s running on a Mac, a PC, or a Chromebook.

Much of what we do every day is already web-based, or has a web-based alternative you can access via your web browser. I even logged into the websites of my bank and my credit card company.

What I can’t do (or do easily)

Wait – my bank?

Since I’m travelling and using hotel internet and other open Wi-Fi sources, I’d like to be able to run a VPN so all of my web traffic is encrypted. Sadly, that doesn’t seem to be possible at this time.

However, my current VPN provider – TunnelBear – provides a Google Chrome browser extension that implements an encrypted *proxy*. While technically different than a VPN, the results are essentially the same: all my traffic between the browser and the rest of the internet is encrypted. Traffic outside the browser – such as any other apps I might run on my Chromebook – are generally not run through the encrypted proxy. But as we’ve seen above, most of what I do is via the browser anyway, so this doesn’t turn out to be much of a limitation at all.

Update: Michael Horowitz has looked into Chromebook VPNs in some more detail in a ComputerWorld article here: [VPNs on a Chromebook: a scorecard of VPN providers.](#)

Honestly, my only real “pain point” was photo editing. Most of my blog posts include at least one image, if not more. Image-editing capability exists on the Chromebook natively, but it’s *extremely* limited. While there are sites that implement photo-editing ability via a web page, they’re often slower and less full-featured than their Mac or PC counterparts. I hobbled along, but it was a little frustrating. (I believe Chromebooks that run Android apps offer several suitable photo-editing alternatives.)

Video editing, should I have decided to try it, is out of the question.

Initially I was also unable to get Chrome’s remote desktop functionality to work so I could access my machines at home for anything I really felt was missing. I suspected the problem was an interaction between the proxy and the

remote desktop protocol, and sure enough: if I connected through my mobile data connection without the proxy I was able to access the desktop of my computer back home. This works as a “safety net” if I find something important I couldn’t accomplish using the Chromebook directly.

Bottom line

A Chromebook can be an inexpensive and safe alternative for many people.

I deliberately chose this extremely inexpensive Chromebook to test the limits of what \$200 could do. There are certainly more expensive Chromebooks out there, with faster processors and bigger screens (the latter perhaps being the most appealing to me, after five days staring at this smaller screen); but that this specific machine works, and works well, is a very nice eye-opener.

That it’s almost disposable, as laptop prices go, is just a bonus. Should this machine get lost or stolen, changing my Google password would block anyone who finds it out of the device. My data will all be safely stored online, so I’ll not have lost anything. (Sadly, there does not yet appear to be a remote wipe feature to further protect any data on the machine, though there are rumors this function is in the works.)

The reason I say Chromebooks are more secure boils down to two things:

- They’re not a huge target with a large user base like Windows or Mac.
- Software is available only through the web store, meaning Google has to approve it. You can’t just download a file and run it, which means you can’t just accidentally download an email attachment and get infected if it contains malware.

If you’re in the market for a laptop, and you spend the vast majority of your time online and in your web browser, you might want to investigate a Chromebook.

Read more:

The specific Chromebook I used for my test is a ASUS Chromebook C202SA-YS02 11.6”. Google maintains a page listing many of the currently available Chromebooks. That site includes much more information about Chromebook specifics and capabilities.

Footnotes and references

The real “safety net,” of course, was my Dell Latitude, running Windows 10. It wasn’t needed, and remained in my suitcase for the entire trip.

Membership Ideas Needed

We are always looking for ways to increase our membership. If you have an idea that you think might help the club, then please share it with us. Your suggestions can be anything from our current presentation format, videoing our presentations for later replay, changing the pricing of the yearly dues, types of refreshments, etc. All suggestions are worth some merit and would be greatly appreciated. Send comments to the newsletter editor, tonydel@techie.com. I will print them in future newsletters. This is your chance to make your voice heard, anonymously (I won't print your name with the suggestion, unless you ask me to).

Netiquette: Forwards

Contributed by Melanie Birnbom
Century Village Computer Club, FL

It is important to use good manners when forwarding e-mails. Now and again, we all see an interesting message that we might want to share with friends, so we forward it along.

However, other folks practice mass-forwarding. They forward every joke, prayer chain, political e-mail, funny image, urban legend or anything else they can get their hands to everyone they know, including people who are business contacts. That many messages can clog up already full inboxes. It also makes people less likely to notice an actual important e-mail from you. Always avoid sending items like forwards to your friends' work e-mail addresses. Some examples of emails that should be forwarded using caution are:

Fwd: FW: THE CREEPY \$20 BILL.....

Fwd: FW: Visit with God - Forwarded mes

Fwd: FW: Riddle for seniors.... - Subject: I

Fwd: FW: MAGNIFICENT!! - Forwarded me

Fwd: - . Read, heed and forward.. This will c

Fwd: The Irish Furniture Dealer - Begin fo

Fwd: Fw: Fwd: Six trivia questions. How

Think back to the days of phone calls and letters. You might call someone up or write them a letter if you saw something interesting, but would you make seven separate phone calls in a day or write seven letters?

One way to be sure you aren't bombarding your friends is to ask if they want to receive fun forwards or not. But don't be offended if they say they don't have the time. Or consider combining the information into one e-mail featuring the best things you've seen recently. That takes a little copying and pasting, but a lot of folks actually do that. It's a convenient way for friends to enjoy things you want to share.

Another considerate thing to do is not to use a "send all" function or go down and select everyone on your list of contacts.

Think carefully about whether or not the person will really be interested. This is also where you can make specific lists of folks to receive jokes or political e-mails after you check with them to see if they are interested. Social media, such as Facebook, is a great outlet for sharing news stories and jokes. There's less likelihood of some type of important communication getting buried in a pile of forwards and it was specifically designed for sharing that type of information.

From Judy – Don't forget to delete all addresses before forwarding any 'message' on your joke, etc. e-mail list. If you receive a forwarded joke, etc. with a gazillion e-mail addresses, please let the sender know they should delete all of the addresses before forwarding the message. Tell them Homeland Security, their police department, etc. appreciates them doing that to help reduce people harvesting all of the e-mail addresses and using them for phishing e-mails. They should put the addresses in the Bcc: field.

From the September 2016 Mid-Month Newsletter, www.centuryvillagecomputerclub.com, mbirnbom@yahoo.com.

Lessons in Rental Car Privacy

By Geof Goodrum
Potomac Area Technology and Computer Society

Have you used a GPS navigation unit or a hands-free phone Bluetooth connection in a rental vehicle? If so, did you remember to clear your information from the vehicle before you returned the car? It's not terribly surprising that many people don't.

Below are a couple of photos that I took of the video panel from a relatively new (6,500 miles) Toyota Corolla rental. The first shows a list of phones that previous drivers paired with the car's built-in Bluetooth feature. The second photo shows an example from one of the listed phones, giving the owner's phone number and the unique

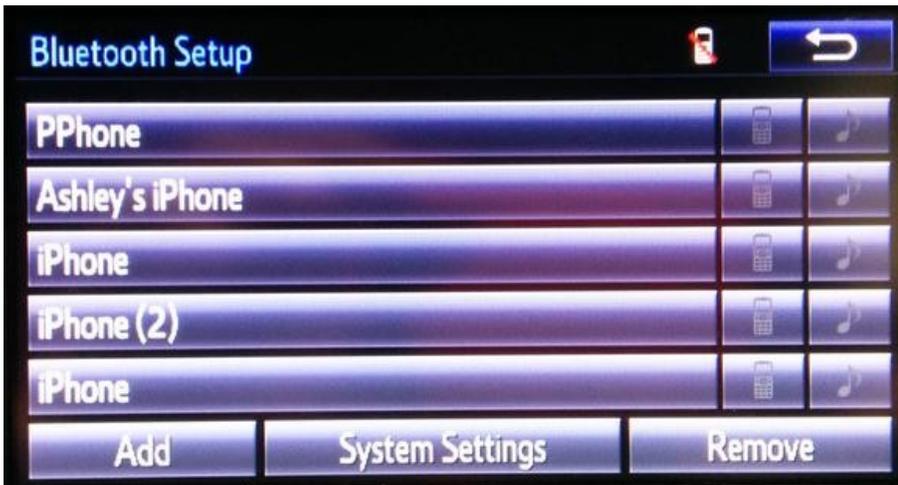
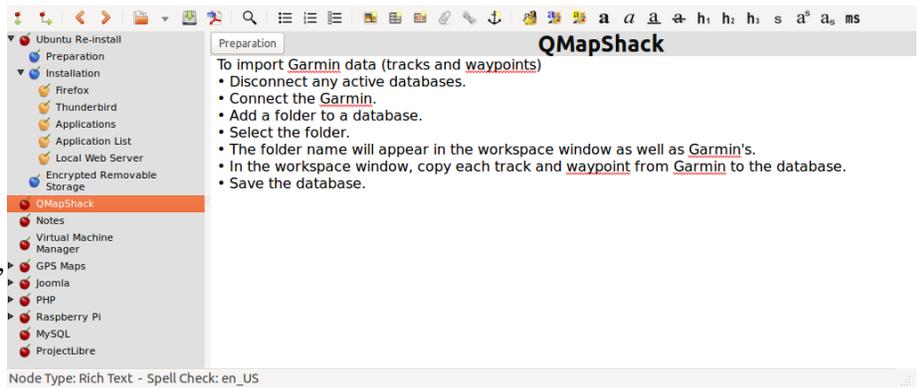
device address of the phone (partially blurred to protect the guilty). The car's system also keeps the call history, and I have seen complete contact lists stored on some vehicles.

GPS navigation units, built-in and portable, also keep a history of locations searched for and visited. Very convenient, but probably not information you want to share with the next renter of the vehicle.

Wouldn't it be entertaining to give a previous renter a call and have a chat with them about places they went and people they know? How would you like to get that call from a complete stranger?

If you use these features, take some time to clear the system memory when you return the vehicle. The rental company is not going to do this for you. In the case of the Toyota Corolla that I rented, I removed individual phones from the phone list, but also found and used a system reset option to remove all private data from the system (which also removed the preset radio settings).

Don't forget that this also applies to any other vehicle that you use, such as a personal vehicle you borrow, lend, trade-in or sell.



From the November 2016 Issue, PATACS Posts, www.patacs.org, Director1@patacs.org.

Smartphone & Tablet Apps - Here are a few basic, useful ones

By Phil Sorrentino, Contributing Writer
The Computer Club, Florida

Over 10 Billion Served. Remember this kind of advertising? It used to be said of hamburgers, but now it can be said of Android and Apple Apps. Apps, or what used to be called “Programs” or “Applications”, are the software that makes Smartphones and Tablets do their magic. Apps either come pre-installed on the device, or are downloaded from either the Android Play store for Android devices, or the Apple Store for Apple devices. About two years ago, the Android Play Store boasted over 600,000 Apps, and the Apple Store said they had over 1 million. (The App number probably represents the total number of Apps and Widgets.) Recently, I checked and the Android Play Store is now the leader with about 1.6 million, closely followed by Apple, at about 1.5 million. That’s a lot of Apps. We, as users of Smartphones and Tablets, typically use only a small number of Apps. I read somewhere that the average Smartphone user has about 90 Apps on their phone. I just counted the Apps on my phone, and I have 84 Apps and 27 Widgets. If you’re not sure of the difference between an App and a Widget, talk to someone who has attended the Android Smartphones and Tablets class.

So, it’s Apps (and Widgets) that really makes these devices worth the investment. Without the Apps, the Smartphone would just be like a flip-phone - a portable device used to make telephone calls, and Tablets might not even be viable products. The other factor that makes these devices so valuable is their ability to connect to the Internet. And, it is this connection that allows many of the Apps to do so many wonderful things. (Both Smartphones and Tablets can connect to the Internet via Wi-Fi, and the Smartphone has the added capability of being able to connect to the Internet through the cell phone towers.) But, back to Apps. (Because the Android family of devices has the lion’s share of the market (around 65%), the rest of this article focuses on that family. However, much of the discussion of Apps, also holds for the Apple family of devices.)

Many of the Apps that you need to do basic things are pre-installed on the device, and available right out of the box. But many other Apps will have to be obtained from the Google Play Store (more on that in a minute). Because a camera is an integral part of both Smartphones and Tablets, a Picture Viewer is one of the very basic Apps. After all, most of us want to see the pictures right after we take them. (Instant gratification; can you imagine, it wasn’t that long ago that we would send film away to a developer and we wouldn’t get to see the pictures for two weeks, or so, after the pictures were taken.) Three popular and useful Picture Viewer Apps are “Photos”, “Gallery”, and “QuickPic”. And by now, most of us realize that these cameras are capable of taking videos, as well as pictures, so a Video Viewer App is also a basic necessity. Two popular Video Viewer Apps are “Play Movies”, and “VLC”. And while we’re talking of entertainment, most of us have digital music collections. The same digital music (.mp3 files) that we use on our home computers can be played on our mobile device, so you will need a Music Player App. Two popular Music Player Apps are “Music”, and “Play Music”. Another activity performed by these devices is to allow access to the internet, and as is similarly done on a computer; a browser is used for this. A browser is, maybe, not as useful on these mobile devices as it is on a computer, because when internet access is needed, the App knows the exact internet address to use. Apps rarely browse the internet; they typically do a limited set of things, usually with only one specific internet site. (For example, a Banking App only knows how to get to its specific Bank’s Server and no other server, and similarly the OneDrive App only knows how to get to the OneDrive Server and no other.) But sometimes a browser is needed and so “Chrome”, “Dolphin”, and “Firefox” are browser Apps available for mobile devices.

Book reading is another form of entertainment that can be enjoyed with either a Smartphone or a Tablet, although the smartphone screen size may make this impractical. In order to read an electronic book, you will need a Book Reader App. The “Kindle Reader” App is a popular choice. With this App, electronic books of many different (file) types can be read on your mobile device. If you want to borrow books from the County Library, you’ll also need a special App that helps you accomplish that task. This App is called Overdrive. These two Apps, for book reading, may not originally be installed on your device, so both of these Apps will have to be downloaded from the (Google) “Play Store”. The Play Store App is probably the most important Apps installed on your device. This App is pre-installed on all Android devices and provides the ability for you to download and install any of the Apps that are available at the Google Play Store, all 1.6 million of them. (By the way, most of the Apps that are popular and useful are free. Some Apps do have a cost, but it is typically low, usually under \$10. All of the Apps mentioned here are free.)

One final App that I find to be useful is a File Manager. This may only be useful or interesting to those with a technical interest into the workings of the Android Operating System. But, if you are interested, this type of App

provides insight into the organization of the files and folders on the device, somewhat similar to the way File Explorer provides insight into the organization of a Windows computer's files and folders. Two useful File Manager Apps are "Astro" file manager and "ES File Explorer". Both of these file managers provide a basic view into the Android organization, but not near the capability that is provided by File Explorer on home computers.

So, in summary, the basic useful Apps types are a Picture Viewer, Video Viewer, Book Reader, Music Player, Browser, and File Manager. A search of the Play Store will yield many, many possibilities, for each of these types. The specific Apps mentioned here are just suggestions to start with.

Additional info may be obtained from <http://scccomputerclub.org> / Philsorr.wordpress.com, philsorr@yahoo.com .

* * * * * Software and Hardware * * * * *

Tablet SIG Recap

Notes and Reminders on Apple Devices

By BJ McMillan, SIG Leader
Northern Neck Computer Users Group, New Jersey

Notes

You can use notes to capture a quick thought, create checklists, sketch ideas and more. You can use notes on your iPhone, iPad, and the iPod Touch.

The sketching feature in notes is only available in IOS 9 or later on the iPhone 5 and later, iPad Pro, iPad 4th generation, all iPad Air models, iPad mini 2 and later and the 6 generation of the iPod Touch.

You can create a note directly in the notes app, or you can ask SIRI to start one for you. In Notes, you can add a title, heading, or a bulleted list directly in your note. You can also add an attachment or add a photo or video.

You can also sketch a note. With the tip of your finger, you can sketch an idea or plan in your note. You can choose from a selection of drawing tools and colors or use a ruler to draw straight lines. If you have an iPad Pro, you can use the Apple Pencil to sketch in notes.

You can also search for a note or attachment. You can search for a specific note from the top of the Notes list by scrolling to the top of the Notes list to reveal the search field, and then entering what you're looking for.

To help keep you organized you can sort your notes by date created, date modified, or alphabetically. You can also store notes in different folders.

You can share notes and also invite others to join you in a note so you can collaborate on things like grocery lists, project notes, travel plans and more. You can secure your notes by creating a password. Then you can use that password to unlock your protected notes.

You can also use iCloud to update your notes across all your devices. You will see your notes on all of your Apple devices that you're signed into with the same Apple ID.

To see a video on the features of the Notes app, click on the link below. <https://www.youtube.com/watch?v=Yl5B92194O4>.

Reminders

With Reminders, you can keep track of all your to-do's when and where you need to do them. You can use reminders for projects, groceries, and anything else that you want to keep track of. You can also set when and where you want to be reminded.

When you complete a reminder, you just have to tap the empty circle to mark it as complete.

With Reminders, you can set notifications that alert you when reminders are due or when you arrive, or leave a location. Location reminders notify you when you arrive or leave a location, like your home or work. To receive location-based reminders, you have to make sure that Location Services is turned on and that your device supports this feature.

- You can use SIRI to help you set reminders.
- You can also separate your reminders into categories like work, personal, or school.
- You can create Reminders list to keep thing organized.
- You can use iCloud to update your reminders across all your devices.
- You can also share reminders list with anyone signed into iCloud.

To see a video on the features of Reminders, click on the link below.

<https://www.youtube.com/watch?v=rhOIhRFM1p0>

From the October 2016 issue, The Computer Link, www.nncug.net, geocadjr@verizon.net.

How to Create a Chart in a Word Document

By Nancy DeMarte, 1st Vice President
Sarasota Technology User Group, FL

Word is full of features and tools, but most of us use this popular application strictly for typing letters or other simple documents. There are many things besides text that can be created in a Word document. A lesser known one is a chart or graph. This feature is an excellent way to display budgets, trends, or other concepts that a collection of data can reveal. Here are the simple steps for adding a chart to Word:

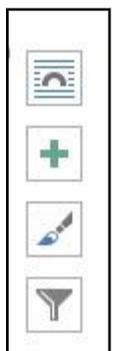


Choose a Chart type and enter your Data: Open Word and click the Insert tab on the ribbon, then Chart in the Illustrations group. You will see numerous types of charts in the left pane, such as pie, column, bar, and other innovative types. Moving your mouse over each chart type shows a preview of it in the right pane. When you find the one you want, click OK. (You can always change the chart type later.) At this point two items appear in your document: the chart you chose and a small data worksheet which contains sample data.

Let's say you want to determine the proportion of your monthly budget that is spent for certain categories. In the first row of the data sheet, type over the sample header to add 'Item' and 'Amount'. List some items and the average amount spent on them. You can use the keyboard arrows to move around within the sheet. The worksheet in Word displays only 20 rows and 10 columns, but clicking or holding down the arrow at the end of a row or bottom of a column gives you many more of each. So you can create a fairly large data worksheet, which is displayed above the sheet in your chosen chart. If your chart choice is not suitable for your data, click the chart and, in the ribbon, click the Chart Tools Design tab, click "Change chart type", and make another choice.

Format the Chart: When you select the chart in the document, two important things become visible: four small tool icons to the right of the chart and the Charts Tools contextual tab, which appears on the ribbon and has two sections, Design and Format.

Formatting icons: The top icon, Layout Options, is a big help if you want to fit your chart within or next to a paragraph. Click the icon and choose the Square or Tight option to allow text to wrap around the chart. The Plus icon lets you hide or display items on the chart, such as the title or data labels. The Chart Styles paintbrush icon allows you to change the style or color of your chart. I find the Styles tab within this icon gives me some interesting variations on the way the chart can look. The Color tab lets you choose a new six-color scheme by clicking one of those shown. The last icon, Chart Filters, lets

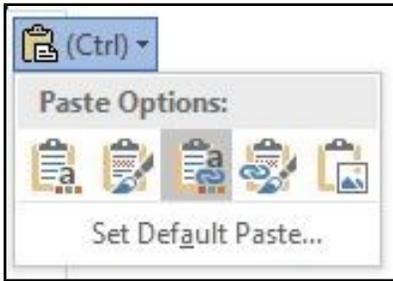


you select specific data from your worksheet to be included in the chart.

Chart Tools Design and Format tabs, which appear on the ribbon when a chart is selected, have much the same tools as the four icons to customize your chart. One good feature of chart creation in recent versions of Word is you can make a clean, professional chart without doing much customization. If you do want to experiment, the Design tab has some new changes you can make to a chart that you might want to try.



For Excel users: There is another way to add a chart to a Word document. If you use the Excel program in Office, you can set up your data worksheet and create your chart in Excel (Insert tab – Chart), copy it (Ctrl+C), and paste the chart into Word (Ctrl+V). The key skill here is choosing your desired **paste option** from the five choices that appear when you click the Paste Option icon. Options 1 and 2 will “embed” the chart in the document, which means it will become part of the document, but can be edited manually in Word. Option 1 will adapt the chart to the theme of the Word document, such as font and color scheme; Option 2 will keep the formatting that was present in Excel. Options 3 and 4 will “link” the chart to its data in Excel, so that when you change the data sheet in Excel, it will also change in the Word chart. Option 3 uses the destination (Word) theme; Option 4 keeps the Excel formatting. Option 5 pastes the chart into Word as a picture, which means the chart can’t be edited. Moving your mouse pointer over each paste option will give you its definition. If you want to use the same paste option in all future charts,



click “Set Default Paste.”

Charts add a visual dimension that many of us find useful in understanding data. Although a Word chart lacks some of the more sophisticated features of Excel, it can work well for many kinds of charts a home user might want. Adding a chart to Word is not as complicated as it used to be.

From the October 2016 issue, Sarasota Technology Monitor, www.thestug.org , ndemarte@verizon.net.



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More Information About Time Machine

Time Machine is used for backup by many (most?) people using Apple computers. However, that application provides rather sparse information about what's going on. Want more information? Open the Console, which is in either the Applications or Utilities folder, depending on the version of OS X. The right three columns will display processes that have been run. The Time Machine process is called "backupd". Key "backupd" (no quotes) in the search box of Console, then start up Time Machine, noting the time in the Menu bar so you can view the processes for that specific instance of backupd. In Figure 1 are shown the processes associated with Time Machine for a specific manual backup starting at 1:57:27 pm. It takes some experience to comprehend the displayed information. However, with experience you will gain the ability to know when something is amiss even if you don't understand all information provided—and that is valuable.

```
1:57:27 PM com.apple.backupd: Starting manual backup
▶ 1:57:27 PM com.apple.backupd: Backing up to /dev/disk2s1: /Volumes/LRG's iMac Back
1:57:28 PM com.apple.backupd: Will copy (Zero KB) from LRG's External Drive
1:57:28 PM com.apple.backupd: Will copy (11.8 MB) from Macintosh HD
1:57:28 PM com.apple.backupd: Found 224 files (11.8 MB) needing backup
1:57:28 PM com.apple.backupd: 2.7 GB required (including padding), 889.26 GB avail
▶ 1:57:28 PM com.apple.backupd: Copied 1 items (Zero KB) from volume LRG's External
▶ 1:58:05 PM com.apple.backupd: Copied 324 items (11.8 MB) from volume Macintosh HD.
1:58:08 PM com.apple.backupd: Created new backup: 2016-08-26-135807
1:58:09 PM com.apple.backupd: Starting post-backup thinning
1:58:09 PM com.apple.backupd: No post-backup thinning needed: no expired backups e
1:58:09 PM com.apple.backupd: Backup completed successfully.
```

Figure 1

Seagate 10 TB Hard Drive

If you need a large and fast hard disk drive, Seagate's Barracuda Pro 10 TB might fit the bill. *PCWorld* reports that this 3.5-inch, 7,200 rpm drive is miserly on power consumption and reads and writes data at 243 MBps and 229 MBps, respectively. The drive is priced at \$579.98. See <http://bit.ly/2ctR6II> for more information.

Internet of Things and Security

As the Internet of Things (IoT) expands there is increasing awareness and discussion about the security of such devices. In fact, there is a general sense that IoT devices are inherently insecure. Our son had me load an app on my iPhone that would open and close the garage door to his home so we could enter his house while he was away. Of course he gave me the password to make this app work. Is the password encrypted as it's sent over a cell phone radio signal or via the Internet? I don't know. It's been tempting to open and close his garage door several times at 2:00 am from our home in Vienna, but I've resisted that evil impulse.

According to an article in *The Economist* (June 11, 2016, pp. 65-66), IoT is rather slow to catch on in the U.S. Surprisingly, it seems that only 6% of homes here have installed an IoT device and by 2021 that number will have increased to only ~17%. For some insight on IoT see <http://bit.ly/2caL7oC> and <http://bit.ly/2cLAYUX> and <http://bit.ly/2cqvaRy>.

People Holding on to iPhones Longer

Last year people traded in their iPhones every two years. By 2018 that's expected to increase to three years. The following chart is from <http://read.bi/2cAJpNY>.

iPhone Installed Base and Replacement Rate



BUSINESS INSIDER

Source: Citi

Apple's New File System

Next year, or perhaps sooner, we can expect a new proprietary file system for Apple computers. It's called APFS (**A**pple **F**ile **S**ystem) and will replace the current HFS+ file system. HFS+ was introduced by Apple in January 1998 as a replacement for HFS (**H**ierarchical **F**ile **S**ystem), which came along in September 1985. APFS will be used by macOS, tvOS, iOS and watchOS. It is designed for SSD and flash storage. It is crash-protected and HFS+/HFS compatible. Apple will provide an in-place HFS+ to APFS converter so that HFS+ devices will not have to be reformatted. OS X Yosemite and earlier versions of the operating system will not be able to use APFS. APFS will be available, and be the default file system, in 2017. Presumably MS-DOS (FAT) formatted disks will still be readable by both Apple and Windows machines.

See <http://tidbits.com/article/16584>, <http://apple.co/2cgZGug> and <http://apple.co/2ctW4og>.

See <http://apple.co/2cgZGug> for a 36-min video.

Snoop-proofing Your Mac

See <http://bit.ly/2cAMg9t> for interesting guidance on securing your Apple computer. If you following all the suggestions your machine will be quite secure but probably significantly crippled. To quote from this article, "...but be *very* careful once you make changes outside System Preferences. Seriously, you have been warned".

Beware of MacKeeper

I think the best that can be said of MacKeeper (<https://mackeeper.com/>) is that it's very controversial. Before installing this software search the Web for reviews of this product. See <http://bit.ly/2czFXpX> for Wikipedia's description of the software.

See <http://apple.co/2cpWpXe> and <http://bit.ly/2d0QrNA> for negative reviews.

See <http://bit.ly/2cqzX5o> for information on uninstalling MacKeeper and other products.

Apple's New Corporate Headquarters

Apple is building a new facility in Cupertino, California on One Infinite Loop (where else?). Construction began in late 2013 and is expected to be completed late this year or early 2017. The facility will have 2.8 million ft² of office space and house about 12,000 to 13,000 employees. There are 3.7 miles of curved glass and 700,000 ft² of solar panels. The site is on 176 acres and has 7,000 trees and 15 acres of grassland. Cost? \$5 billion.

See <http://bit.ly/2cpZBli> for a 4-minute video. Also see <http://bit.ly/2cM1LgV> and <http://for.tn/2cqAC6V>.

From the November 2016 issue, PATACS Posts, www.patacs.org, newslettercolumnist@patacs.org.

* * * * * APCUG NOOZ * * * * *

Presented by Sam Wexler
APCUG Board of Advisors, Region 1

1. Congrats to APCUG's New President

Upon Marie Vesta's resignation as president, David Williams, former Vice President, now holds that office. Marie remains a director; we thank her for all she has done for APCUG during the years she was president.

2. Winter VTC Videos

Click on the below links to access the February 11 presentation videos on APCUG's YouTube Channel. To subscribe to the channel, click on the red Subscribe button at <https://www.youtube.com/user/APCUGVideos> and you will receive an e-mail when the videos have been uploaded. Presentation PDFs and handouts can be found at: <http://bit.ly/2nEAYcU>.

- Facebook for Your Group - Diane McKeever, Author, 101 Amazing Computer Tips - <https://youtu.be/QYPLPI2XbOg>
- iOS 10 Features for iPad / iPhones – Jere Minich, APCUG Advisor, Region 5; Lake-Sumter Computer Society Program Chair – <https://youtu.be/ltTanssLIBQ>
- Preview of Windows 10 Creator's Update, Bill James, APCUG Advisor, Region 8; Computer Club of Oklahoma City VP - <https://youtu.be/F4sQDxbhioE>
- Simple Techniques for Making Your Windows Computer Easier to Use, Francis Chao, Member OLS committee, WINNERS, GSBUG and TCS <https://youtu.be/K8xd9cNmmno>
- Social Media for the Non-Tweeter - Pam Holland, CEO, TechMoxie https://youtu.be/5Qmg_O9Msmc
- Trendy Ideas from a Proud Tinkerer, Stew Bottorf, Teacher & SIG Leader, Tampa Bay Computer Society - <https://youtu.be/htqtfASL9hQ>

3. Virtual Technology Conference – May 6 – Save the Date!

Presentations scheduled as of this date:

- Acronis, New Generation - Gene Barlow, UGR Relations
- Alternative to Closing a Computer Club - Ray Baxter, Payson Area Computer Society
- Crypto Viruses - Toby Scott, Channel Islands PCUG
- GIMP - Dennis Rex, SCALE
- Home Automation - Bill James, Computer Club of Oklahoma City
- Tune Up Your Windows PC - Jere Minich, Lake-Sumter Computer Society

4. April is National Volunteer Recognition Month

It's important to recognize our volunteers! The United States and Canada celebrate Volunteer Recognition Month in April; Australia celebrates 8-14 May.

From Last Month__

1. How to minimize the risk and impact of identity fraud –

From the Help Net Security website.

Ctrl + Click on this link to read the article.

<https://www.helpnetsecurity.com/2017/02/03/minimize-impact-identity-fraud/>

Be sure to use the readers view to refresh your memory on safety measures. Some of the material may be new information to you.

EMV Definition. "EMV® is a global standard for credit and debit payment cards based on chip card technology" taking its name from the card schemes Europay, MasterCard, and Visa - the original card schemes that developed it.

2. Picky ransomware targets specific subset of would-be Netflix users –

From the Help Net Security website.

Ctrl + Click on this link to read the article.

<https://www.helpnetsecurity.com/2017/01/30/netflix-ransomware/>

Be sure to use the readers view which eliminates advertisements on the webpage as your reading the article.

Aspiring Netflix users who don't want to actually pay for the popular video on demand service are being targeted with a new type of ransomware. Detected as Netix by Trend Micro, the ransomware is hidden in an executable (*Netflix Login Generator v1.1.exe*) that poses as a software for creating valid Netflix login credentials.

The Rochester Computer Society will have its **election of club officers on Tuesday, May 9th**. We would like someone to head up the nominating committee; a list of candidates will be provided. Current officers can rerun, if they wish to. The following positions will need to be filled.

The **President** runs the planning meeting on the 1st Tuesday of the month and the business portion of our general meeting on the 2nd Tuesday of the month. The President's name will be on our bank account, along with the Treasurer. Either can use the club checking account to pay club approved expenses.

The **Vice President** is the backup to the President and runs the meetings if the President is unable to attend a meeting or is unable to fulfill the responsibilities of the office.

The **Secretary** will keep minutes of both the planning and general meetings (including 'Help's Half Hour).

The **Treasurer** will pay all club approved expenses, via our checking account and handle the 'year end' tax statements.

The club has three **Members at Large**, that help make decisions on programs and club approved activities. One Member at Large position comes up for renewal each year.

Our April meeting was quite a treat. Skip Meetze, a volunteer with the RIT eNable project, brought in a 3-D printer to showcase some of the machines abilities. Samples of some of the projects prosthetic hand parts were passed around for us to try out. The eNable project started at RIT, by Dr Jon Schull, has become a world wide effort by numerous volunteers, to create prosthetic hands and devices to help those who are physically handicapped. Many children are born with birth defects, that may leave part of a hand or arm missing. These plastic hands can be operated by muscle movements, such as simply bending the wrist or elbow, which allows the hand to open or close.

Additional attachments have been designed to help with holding eating utensils, grasping a soda can (by the ends, since aluminum cans crush easy) or picking things up. Many of us have seen the old standby, especially in the movies, a metal claw that can open and close. These plastic hands are well suited for young children, since they can outgrow a very expensive metal prosthetic hand in a year or two (\$5000 and above). The typical cost of a plastic hand, less than \$50 in materials.

Some websites: e-nable.org, enablingthefuture.org, also Google+.