TC/PC Exists to Facilitate and Encourage the Cooperative Exchange of PC Knowledge and Information Across All Levels of Experience

July 2019

General Meeting
Tuesday, July 9, 2019
7:00 PM

DIY: Converting VHS Tapes to DVDs

**Summit Place
8505 Flying Cloud Drive
Eden Prairie, MN 55344**

If you are among those of us who have VHS tapes you or family members created that you want to convert to DVDs the July presentation may be helpful to you. Sharon Walbran has been working on converting her family's VHS tapes to DVDs using a converter from Roxio. We will take a look at various alternatives, their price and ease of use and time commitment.🖥

Tech Topics with Jack Ungerleider leading off our meeting at 6:00 PM. Always new stuff to learn. 🖥

Note: No Special Interest Group meetings (Linux on Saturday SIG or Microsoft Office SIG) during the summer months. Look for their return in September.

The Digital Viking

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Contact Sharon Walbran at:: SQWalbran@yahoo.com

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Upcoming Meetings

Tuesday, September 10, 2019—CyberPower Systems of Shakopee, Minnesota will present. CyberPower makes an excellent line of power strips, surge protectors, and UPC systems for computers. They have given great presentations to TC/PC in the past and often bring terrific "freebies." Plan to bring your spouse or friend to this meeting to ensure a full audience.

More About Browsers
By John Fair, Vice President, Computer Users of Erie, PA
May 2019 issue, the CUE newsletter, www.cuerie.com, johncfair (at) gmail.com

If you open a website you are using a browser. Your computer or mobile device came with a browser installed, but is it the "right" one or the only one you should use? Why would you consider installing one of the other browsers? Since the CUE program "About Browsers" in March I have continued reading more articles describing the latest browser news and I wanted to share some of my research and opinions.

Browsers are more complex and powerful than most folks appreciate. Their components include front end and back end user interfaces, networking, data storage and engines for rendering and executing Java Script. A web server that you contact by typing a web address into the front-end user interface or clicking on a link responds by sending your computer a string of information that your browser must turn into a web page. The rendering engine of the browser reads the content which contains HTML and CSS code to create the image you see on your screen. The Java Script interpreter allows you to change what you see on the screen.

Browser function also includes encryption and description. If the site provides secure communication by public-key encryption (the "s" in https), the browser checks for a valid certificate issued by a trusted source. Once validated, the browser creates a password, encrypts it and sends it back to the server to be decrypted with the server's private key and then the secure communication begins using the shared secret password. All in the virtual blink of an eye! Look for the https with any website that asks for personal information.

Probably because of the complexity of modern browsers and the difficulty for each to be compatible across all web sites, the number of different browser engines in use has dwindled over time. Apple uses WebKit in the Safari browser for computers and will allow only WebKit to be used for any browser installed on mobile devices. Chromium Blink, a fork of WebKit, is the foundation of the Google Chrome browser as well as Microsoft Edge, Opera, Vivaldi, Epic, Brave, and a number of minor players. Firefox and Tor use the Quantum engine. These browser engines are all open source but the bells and whistles that distinguish each browser may not be. Although Internet Explorer (and its proprietary engine Trident) at one time dominated with a 95% market share, IE is being discontinued by Microsoft and with obvious implications for support and insecurity. No one should be using a version older that the current IE 11 and even that version has had recent security

problems. Microsoft is replacing IE and the original Edge with a Chromium based version of Edge, soon to be released.

Full disclosure, I am an Apple device user and as such have become accustomed to using Safari. I realize that Safari is not the best browser and it is not compatible with all features of some websites. For example, I have been frustrated when filling out a form on a website only to find the "submit" button does not work. If I open Chrome or Firefox on my Mac, I have no such problem with the same website. So if you are an Apple person, the easy answer to the question of how many browsers you should have is more than one. (I have four browsers installed on my Mac: Safari, Chrome, Firefox and Brave.) In fact, my answer to all users whether Apple, Windows, Android or Unix is the same: have more than one browser.

Which of the available browsers to install is a deeper question. Chrome has about a 2/3 market share of all browsers worldwide and it has a huge library of extensions to add functions and features to the basic browser. Google, however, has a history of harvesting and monetizing your information which makes some users limit their use of Chrome. Firefox, a product of the not-for-profit Mozilla Foundation, is designed for security and privacy as outlined in the Mozilla Manifesto (suggested reading). I have both on all my devices, and I currently favor Firefox Quantum.

In addition to the focus on privacy and security, here are some features I like about Firefox for a computer. The newer code in the Quantum engine is designed to make use of multicore processors rather than the single core used by Chrome. As processors gain more cores, the browser will work faster. Chrome also uses more RAM and slows as more tabs are opened. While the speed of both browsers is initially similar in most tests, Firefox is designed to gain speed as CPU technology improves. Also, as a traditionalist, I like the ability to add a separate search bar since I was never a fan of combining url and search functions in the same bar. I like taking screenshots and that function is built into Firefox, but then again, it is built into the Mac OS. Reader View and Pocket are built in, not add-ons. Like Chrome and Safari, Firefox can be synchronized across devices so that bookmarks I add on my Mac as well as search history automatically appear on my iPad and iPhone. By the way, if you are weary of the ad-supported search results that appear at the top of a Google results list, you may want to look into DuckDuckGo as your search engine as I have in Firefox. Try them both and you will be surprised at the difference in quality of results. You also won't see the mysterious ads for products you researched as happens with Google.

You should carefully choose from the many extensions or add-ons for either of these browsers and here are ones that remove distractions and enhance privacy and security. uBlock Origin is favored over Ad Blocker to limit advertisements. You may choose to "white list" some sites that object to the use of ad blockers of any type. My opinion: if they didn't have such obnoxious ads, perhaps I wouldn't be motivated to use the ad blocker in the first place! HTTPS Everywhere is a great extension to force secure connections when available. Browsers may have a similar sounding function built in but are less assertive. Privacy Badger is the recommended tool to prevent third party tracking. Privacy Essentials by DuckDuckGo also prevents tracking but has the additional feature of giving the site a privacy grade as

well as blocking trackers. I have all four installed on both Chrome and Firefox and they do not interfere with each other. Users have reported no interference in any of the forums I have visited.

There are a handful of other add-ons or extensions that I believe enhance everyday functionality. I installed the Last Pass extension in all browsers so I can use that password manager. I recommend using a purpose-built and maintained password manager rather than a similar function that comes built into a browser. Just Read provides the same functionality to Chrome as Reader View which is built into Safari and Firefox. It provides a clean text without clutter and ads and is great for printing an article. Wikiwand reformats Wikipedia pages for a more modern, easier to read look in either Chrome or Firefox.

Finally, make sure your browser is set to automatically update itself. These updates are necessary for security. Both Chrome and Firefox may receive updates every several days to block vulnerabilities and keep current the information needed for proper functionality. If the browser you are using has only monthly updates (IE was known for this), it is an inviting target for exploit by hackers.🖥

Office 2019 and Changes to Office 365
By Nancy DeMarte, 1st Vice President, Sarasota Technology Users Group, FL
May 2019 issue, STUG Monitor
www.thestug.org / ndemarte (at) verizon.net

Office 2019: Microsoft has been releasing new versions of Office every three years for a long time. The newest version, Office 2019, is now available in stores or online. The Home and Student edition for Windows 10 came out in late September 2018. Office for MAC was released on March 3, 2019. The buyer pays one price, which includes updated Word, Excel, and PowerPoint for installation on a single computer. If Office 2019 repeats the support pattern of earlier editions, it also gets regular security updates for ten years, or until 2029. It is also touchscreen compatible.

Included in Office 2019 are a few of the new features which had been available only to Office 365 users. Here are a few of them:

Icons – These scalable vector graphics are organized in a gallery of about 500 small black icons in 30 categories. Icons are located on the Insert tab in Word, Excel, and PowerPoint. They can be enlarged without losing image quality, colored, and given special effects before being inserted into a document, spreadsheet, or presentation.

Figure 1 - A section
of the Icons gallery

Figure 2 - An icon after adding color, size and shadow effect

Morph – This clever feature lets you animate a group of objects in a PowerPoint slide. For information about how to set up Morph, click the Transitions tab in PowerPoint. Hover your mouse pointer over Morph, read the information, then click "Tell me More" for the full instructions. With a little practice, it is easy to set up and is a crowd-pleaser.

Translate – Located on the Review tab > Language group in Word, Excel and PowerPoint, this feature will translate a section of a document or the whole document to one of several languages. Click the down arrow below Translate to see the list of supported languages.

Changes to Office 365 Home: Office 365 is the subscription version of Office. The Home version costs $99.99 per year or $9.99 per month and has several bonuses. Office 365 Personal ($69.99 per year or $6.99 monthly) has all the same bonuses as Home, but for only one computer. Beware of the much lower prices you can find on the Internet. They are likely to give you a fake product.

Some changes in Office 365 took effect beginning in October 2018. It appears that Office 365 is becoming more Internet-based than it was in the past. Office 365 Home can now be installed on six computers (Windows or Mac) plus other devices, plus phones and tablets up to 10.1" screens. However, you can only sign into five devices at one time. If you try to sign into a sixth device, you will get a "limit reached" message and will have to sign out of a device.

Signing into your Microsoft account is the only way to activate Office 365. Once you sign in, Microsoft keeps you signed in until you sign out, with a recommendation that you stay signed in on the devices you use the most. If you sign out, you will lose some Office features. If you have no Internet connection, you will be able to use Office 365 for 30 days before being deactivated.

Each of the six installations still gets a terabyte (1000 gigabytes) of cloud storage in

OneDrive, the Microsoft cloud storage area. You can access OneDrive from any computer at any location by signing into your Microsoft account. Office 365 also gets monthly security and feature updates.

For those who want to have access to Office without buying the boxed version (Office 2019) or subscribing to Office 365, Microsoft also offers free Office Online to anyone who has a Microsoft account. The online version runs in an Internet browser, but editing is limited, and you cannot save files created on the web to your computer. Another option is installing the MS mobile apps for iOS or Android phones and tablets, which currently are free for home use.

Microsoft Office is a popular office suite. With the several options available, depending on your need, you can probably find a way to get this feature-filled suite. 💻

No Joy in Techville?
by Greg Skalka, President, Under the Computer Hood User Group, CA
April 2019 issue, Drive Light, www.uchug.org
president (at) uchug.org

Pour a liquid into a glass just up to the midpoint. An optimist would say the glass is half full. A pessimist would say the glass is half empty. An engineer would say the glass is twice as big as it needs to be.

A lot of how we perceive reality is influenced by our internal biases and past experiences. As an engineer, I'm used to looking at things in a more clinical, objective way than others might. My wife thinks I am a pessimist, seeing the worst in everything and having a negative point of view. She feels I should be more positive and optimistic. If only I had a better attitude, things would be better. I prefer to think of myself as a pragmatist, dealing with and reacting to things in a more practical manner. I prefer the objective, based on facts, rather than the subjective, dealing with feelings and opinions, to make my decisions.

My wife and I also differ on how we perceive stuff, those material things we own. I have a lot of interests, including technology, and so I have accumulated a lot of stuff. My wife is more of a minimalist and thinks I have too much stuff. Who is right? Again, I think it is a matter of perception. What may be clutter to one person may just be the result of too little storage space to another person.

My attitudes about things are probably shaped a lot by my Midwest farm heritage. My Czech farmer ancestors came to this country in the late 1800's and made the best livings they could farming and raising livestock in Nebraska. There is a lot to admire in the farmer. While farming is a lot of hard work and you often don't have a lot of control over your situation (the weather, resources, crop markets, pests), you usually must become very resourceful, creative and self-sufficient in order to succeed. Farmers must often also be

mechanics, carpenters, plumbers, electricians, weathermen and veterinarians. My grandfather had a blacksmith shop on his farm so that he could fabricate items he needed, as there was no Home Depot on every (or any) corner. Farmers must also be conservationists, ecologists and stewards of the lands, animals and environment. I still have relatives that actively farm, and though things have obviously changed for farmers since my grandfather's time, I think a lot the values remain.

The time I spent on the farm in my youth probably helped instill those values and attitudes in me. I've tried to learn all I can about mechanics, engineering, electronics, computers and technology. I've built my own computers and maintain, debug and repair my devices myself as much as possible. I've become the family IT help person, network administrator, repairman and system integrator. As a result, I've accumulated a lot of devices, accessories, cables, adapters, software, tools and utilities over the years, probably way more than most other people. Of course, the collection does not remain static either, for as technology advances and new devices, interfaces and services become popular, my collection of stuff must expand to support them.

Unfortunately, it is often difficult to determine when something that used to be essential (or at least useful) has become obsolete and of no use and should be disposed of. I bought extra PATA (parallel ATA) hard drives at one time when the computer industry was transitioning to SATA (serial ATA) drives, in order to be able to support some of my older computers. I've gotten rid of some of the drives but am still running a couple old machines that could use them, so I continue to keep a few around. I have a number of devices for slide scanning and digitizing video that I need to be using, but I never seem to find the time. To my wife, all these things I'm not currently using are obsolete and junk and should be thrown away. To me they still hold promise; I have the hope that I will eventually get to use them productively again. Now who sounds like the optimist, and who's the pessimist?

I agree that clutter can be a problem but reducing it and organizing things requires time. Early in my career, I found it difficult to keep up with the number of engineering magazines and component reviews I was receiving at work. I'd scan the items for usefulness, but making a binary judgment (1 or 0, keep or toss) right at that moment was difficult. A few things obviously went right in the trash, a few were keepers, but the majority were in that gray area - might be useful, but maybe not right now. I'd sometimes toss things and later wish I could get them back. Rather than waste my time deciding at the moment I received them, I found it easier to put the 'gray area' items in a pile in my office. If I found a need, I could consult the pile for the items that were pertinent. After a year, I'd split the pile in two, and throw away the older half, assuming the information in it was now likely out of date. This worked very well for me. My wife was not happy when I tried to use this method at home, however.

Technology has helped some with physical decluttering, as most information now comes in or can be converted to an electronic form that can be saved on small memory devices or deleted easily. There is the problem of organizing all those files, however. I am now a believer in the all-digital / electronic life, in as much as it is possible. I used to have file cabinets full of financial papers and product documentation. Now I get all my important

documents in pdf form online and scan any paper forms I receive. I used to save the paper manuals for things I bought and filed them away; now I download them and / or scan them. All my important documents, product info, photographs and videos are contained on a few small hard drives. They are not only easier to store but also safer, as I can easily keep copies of the data in a fire safe, safety deposit box or offsite location. If only storing our physical possessions were so easy.

There is a Japanese woman that has become a decluttering celebrity. Marie Kondo, cleaning consultant, author of the bestselling book *The Life-Changing Magic of Tidying Up: The Japanese Art of Decluttering and Organizing* and star of a related Netflix TV series, has a unique way of determining what to keep and what to discard. I've not read her book or seen her show, but her method, from what I've read about it, involves holding each item, asking yourself if it 'sparks joy', and discarding it if it does not. Those (apparently) few items that do bring you joy are then placed where they are visible and accessible.

I have wondered whether her declutter method could work for me and my tech collection. While putting my hands on every single individual item I own might take some time (I have a medium-sized plastic bin of action camera mounts and accessories alone), the bigger problem I see is the hang up I've always had - determining the worth of the items in my life. What does it mean to 'spark joy'? How does one define joy?

The dictionary (or at least Google) defines joy as "a feeling of great pleasure and happiness." Other equivalent terms might be delight, jubilation, rejoicing, elation, bliss, ecstasy and rapture. Those terms don't seem to describe any tech items I own. This standard also seems very subjective. Everyone's idea of joy could be different, perhaps very different. It reminds me of one of my favorite lines from the original *Star Wars - A New Hope*; it is Han Solo's response to Luke Skywalker, when Luke was trying to persuade him to help rescue Princess Leia. Luke tells Han that Leia is rich, and the reward he would get would be more wealth than he could imagine. Han replied, "I don't know, I can imagine quite a bit."

Nevertheless, I decided to try Marie Kondo's declutter method on a small part of my home office, as I wanted to clear some space to install an Amazon Echo Dot there. The area I was clearing had only quite old things, which sparked negligible joy, so tossing them seemed easy, but I paused on two items. One was a set of Microsoft Encarta Encyclopedia 98 CDs, for Windows 95. I was going to toss them, but then thought about how things have changed. Once these were valuable and useful sources for information, but now with Google, Wikipedia and the Internet, they are obsolete drink coasters. Into the trash they went.

The other was a Webster's New World College Dictionary (2005 edition), which had been a gift from my wife. It too had been supplanted by the Internet. Though it did not spark joy, I felt a twinge of sentiment over it, as it had been a well-intentioned gift, and would be useful if some calamity caused the Internet to go away. I kept it.

The more I think about it, the more I feel that perhaps none of my tech items could truly

spark joy. Do I feel delight when using my laptop? No. Am I rejoicing when holding my Chromebook? I like my Chromebook and it is very useful, but I am sometimes dismayed when I can't do something simple on it effortlessly, as I can on my Windows PC. Do I feel elation when holding my digital camera? I like it pretty well, but I somehow accidentally got it into a funny mode, and only recently, after much grief, figured out how to give it a factory reset and return it to normal settings.

Am I in a state of bliss when holding my smart phone? It is a very useful device, and I do seem to use it more and more, but I don't long for it or anything like that. I do see a lot of people who can't seem to put their smart phones down, when in a restaurant, while walking, or while driving. Is that bliss I see in their eyes? It looks to me more like a vacant hollow zombie-like stare. No joy.

I don't think this Marie Kondo declutter approach works that well for technology, or for most items (or perhaps for any items). There is unfortunately a lot more to life than joy and rapture. A lot of things in our lives are necessary not for the joy they bring but for the benefits they provide, the needs they fill and improvements they make in our quality of life. Is that joy? Not really. I don't feel joy when I hold my toothbrush, but I'm not going to get rid of it, as a little clutter in the bathroom is better than a mouthful of rotten teeth eventually.

And it might be asking a lot to expect Microsoft and Apple and Google and Samsung to be responsible for providing us with joy. That's what family and friends are for. The tech devices these companies do provide can help us keep in touch with them. We just shouldn't let the devices get in the way.⌨
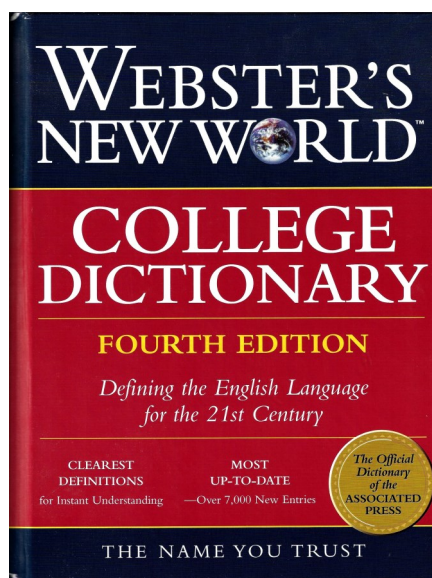
Personalize your Desktop – With Pictures and/or Slideshows

By Phil Sorrentino, Contributing Writer, The Computer Club, FL
April 2019, www.scccomputerclub.org, Philsorr (at) yahoo.com

All desktops are not created equal. Just look at the differences the next time you go to a class where you bring and use your own laptop. I bet none of those other desktops will look like your own desktop. Probably the biggest differences will be in the desktop background. These differences come about from the choices in the "Personalize window" in "Settings." You can get to the Personalize window by at least two ways. Personalize is a selection in Settings so just click on the Start button and then the Settings button (the gear like Icon). Or, you can get to the Personalize window by just right clicking an empty space on the desktop. Either way, you get to the Personalize window where you can set up things like the Background, the Lock screen, the Start screen, and the Taskbar.

The Background can be set to three different possibilities; a picture, a color, or a slideshow. The picture can be one of the pictures that you get to select by browsing your Pictures folder. When you find one you like, select it and it will become one of your selections and it will also become your background. (If you have multiple monitors, you can select Monitor 1 or 2 or both, by right clicking the picture and then left clicking your choice.) After you've chosen a picture you can determine how it will show on your monitor by making a selection in "Choose a fit." Pull down the down facing arrow at the right-hand end of the selection box and make your selection among the choices, Fill, Fit, Stretch, Tile, Center, or Span. Pictures from different sources will show up slightly differently depending on this choice. Once you've chosen a picture, you'll just have to experiment with the choices. Don't worry, you can't really break anything here.

The second background choice, "Solid color," is maybe a little less exciting. When you select Solid color, you get to choose from a palette of colors to be the background. Just click on the color you like in the "Choose your background color" grouping of colors. You can even add a custom color by just clicking on the "Custom color button" and then in the "Pick a background color" area, click the color you would like and then click "Done." If you don't quite like the new custom color, just re-do the selection process and the custom color will change to your new choice.

The last background choice is "Slideshow," which is probably the most fun. When you choose slideshow, you get to choose the source of your slideshow pictures. Maybe you have a folder of grandchildren, or a folder of puppies or kittens, or a folder of your family vacations. Whatever you like can be the source of your slideshow pictures. Just click the Browse button, under "DesktopBackground," and you'll get a navigation window to use to find the folder that contains the pictures you would like to use as a slideshow. If you don't have a folder with all the pictures you want to use in your slideshow, now is the time to create it. Just make a new folder, using File Explorer, and put it in an easy place to find, like under the Pictures folder, under "This PC," After you've created this folder and maybe named it "SlideshowPictures," put all the pictures that you want to be in the slideshow into it, and then go back to Settings-Personalize-Background, browse for your new folder, and make it the source of your slideshow. Next decide how often you want the pictures to change; choices go from 1 minute to one day. The pictures will show in the sequence that they are in the folder. (Remember, files in a folder will be in alpha-numeric order, numbers

first, then letters.) If you don't want this sequence and would rather have them shown in random order, just slide the "Shuffle" slide switch to "On." Again, you can make a "Choose a fit" choice just as before in the "Picture" background choice.

The Lock screen is the next item that can be "personalized" in the Personalize window. (The Lock screen is displayed when the computer is locked. You can lock the computer by using the keyboard combination of the "Windows Key" and the L key. Or you can lock the computer by pressing the Control-Alternate-Delete key combination and then choosing "Lock".) The choices for the Lock screen are similar to Background, but slightly different. The choices are "Windows Spotlight," "Picture," and "Slideshow." Windows Spotlight is a feature of Windows 10 that downloads pictures from "Bing" and displays them when the lock screen is being shown. So it's like a picture option, only Bing is choosing the picture. The "Picture" choice seems to work just like the Picture choice in Background. You could even choose the same picture for Background and Lock screen, but it would probably be more useful if a different picture were chosen for Background and Lock screen. (The picture you see would be a hint as to what was on the display.) And "Slideshow" seems to work just about the same here in Lock screen as it does in Background, though there are some "Advanced slideshow settings" that can further determine how Slideshow works on the Lock screen.

The "Start screen" can be personalized by selecting "Start screen" and then setting the slide switches to "on" or "off" based on your need for the specific feature. You can even choose which "well known" folders appear on the Start screen by selecting "Choose which folders appear on start" and then switching that particular folder on or off. The Start screen is the pop-up window displayed when you click the start button (down on the screen, at the lower left end of the Taskbar). On this screen you'll find an alphabetical list of all the software (or Apps) on this computer and any App that has been "pinned" to the Start screen. Items on the Start screen can be moved around the Start screen by dragging and dropping them to other locations. Left-clicking an item on the Start screen will start that App. Right-clicking an item will provide the ability to "unpin" the item from the Start screen.

The Taskbar is the last item on the Personalize screen and is the bar at the bottom of the Windows display. It shows Apps that have been pinned to the Taskbar along with notification from Windows, Apps, or certain hardware such as the network you are connected to (and the amount of charge in your battery, if you are on a Laptop). The Taskbar can be personalized by selecting "Taskbar" and then setting the slide switches to on or off, based on your need for that specific feature. You can even move the Taskbar to the top or a side by selecting "Taskbar location on screen" and then choosing the desired location. "How do I customize Taskbars?" gives a good amount of helpful information for customizing the taskbar. The Notification area (at the right-hand end of the taskbar) can also be personalized by selecting "Select which Notification Icons appear on the taskbar." This will provide a screen of Apps, the Icons of which could appear on the Taskbar. Each one can be turned on or off, depending on your need for this notification. You can also "Turn system Icons On or Off." This selection will provide a list of system Icons along with on/off slide switches. The Clock, Volume, Network, Location, and Action center are system notification you might want to turn on, if they are not on already.

Personalization provides the ability to customize the way some very basic screens look and operate. The choices you make will make your computer look a little different from other computers and give it your particular customized look. 💻

Special Interest Groups (SIGs)

Most SIGs will meet at Edina Executive Plaza, Conference Room #102, 5200 Willson Road, Edina, MN
Confirm with a SIG group if they meet elsewhere.
For more info contact the SIG Leader(s) listed here.

Get SIG announcements!
Link from www.tcpc.com

Board of Directors*
All members are welcome! Check www.tcpc.com for location.
Selected Saturday mornings

Linux on Saturday
This is for the Linux newbie and those trying to come over from Microsoft to a different operating system.
Second Saturday @ 9 AM-Noon
Note: No Meetings June-August

Jack Ungerleider   612/418-3494 c
jack@jacku.com

Tech Topics
Technical presentation/discussion on various technical topics from the following areas:
- **Web/Internet**
- **Mobile Devices and Apps**
- **Playing with Programming**
- **DIY (3D Printing, R-Pi, other hobby electronics, etc.)**

Second Tuesday @ 6:00-7:00 PM
Every month
Right before the general meeting.

Jack Ungerleider   612/418-3494 c
jack@jacku.com

Microsoft Access
All levels. Presentations by expert developers within the group and by MS reps.
Third Saturday 9:00 AM—Noon
Note: No Meetings June-August

Steve Kuhlmey   952/934-8492
skuhlmey@hotmail.com

Microsoft Office
Addresses the use, integration, and nuances of the Microsoft Office applications.
Combined with Systems on Saturday
Third Saturday of the Month
9:00 AM—Noon
Note: No Meetings June-August

Steve Kuhlmey   952/934-8492
skuhlmey@hotmail.com

Directions to **Summit Place** for **General Meetings**:
Proceed to Eden Prairie Center Flying Cloud Drive . [Flying Cloud Drive runs along the West side of the Eden Prairie Center.] Once you have driven past Eden Prairie Center (on the left) along Flying Cloud Drive you will come to a stop light at Prairie Center Drive. The next intersection with a stop light and left turn lane is Fountain Place. Turn left at Fountain Place and go straight into the parking lot. Turn left again to the first covered entry way of Summit Place. There is plenty of parking in the large parking lot in front of the first Summit Place covered entry way. When you enter the door at the first covered entry way, ask to be directed to the Performance Room for the TC/PC meeting. For a map of more detailed directions and *info on Web SIG and Board meeting*, check the TC/PC website.

Directions to **Edina Executive Plaza** for **Systems on Saturday, Access, Word and Picture Perfect SIGs**: Take Highway 100 to the 50th Street/Vernon exit. [If you have come from the north, cross back over Highway 100 to the east side.] Take the first right and go past Perkins [The golf course will be on your left.] and continue on the east frontage road (Willson Road) to the next building—5200 . There is ample parking in the building's lot. Conference Room #102 is on 1st floor.

Help yourself by helping others!
Join the team & share your knowledge with others.

Contact TC/PC at www.tcpc.com

Meetings start at 7:00 PM (9:00 AM on Saturday) unless otherwise noted. *Meets at Edina Executive Plaza.*

July

Sun	Mon	Tues	Wed	Thu	Fri	Sat
	1	`2	3	4	5	6
7	8	9 General Mtg: Converting VHS Tapes to DVDs 6pm Tech Topics	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27

August

Sun	Mon	Tues	Wed	Thu	Fri	Sat
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13 General Mtg: TBA 6pm Tech Topics	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Twin Cities
PC USER GROUP

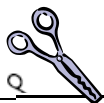## You have just read an issue of The Digital Viking.

Would you like to receive this delivered directly to your email or business each month?

As a member of TC/PC, the Twin Cities Personal Computer Group, one of the benefits
is reading this monthly publication at www.tcpc.com..

As a member of TC/PC, you may attend any or all of the monthly Special Interest Group (SIG) meetings and be eligible for
software drawings. The small membership fee also includes
access to real-live people with answers via our helplines, discounts, and various other perks.

Does membership in this group sound like a good way to increase your computer knowledge?

It's easy to do! Simply fill in the form below and mail it to the address shown.
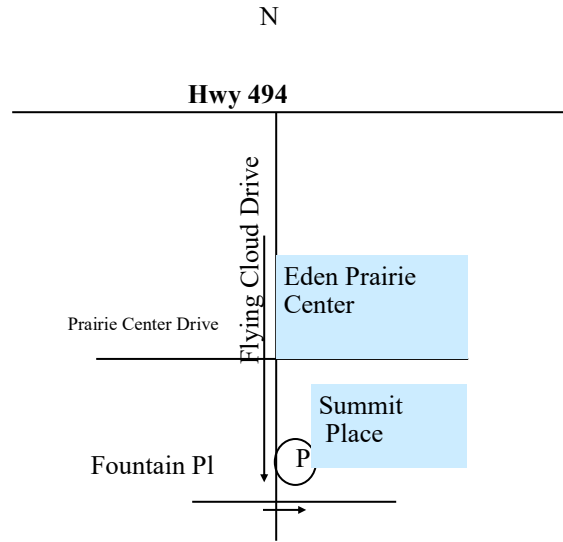(If you use the form in this issue, you will receive an extra month for joining now.)

7/19

Here's the info for my TC/PC Membership:

Full name_____

Company name_____

Address_____

City_____ State_____ Zip_____

❍Home ❍Business ❍Change address: ❍Perm. ❍Temp. 'til _____

Home phone_____ Work phone_____

Online address(es) _____

Where did you hear about TC/PC? _____

❍ I DO NOT want any of my information disclosed.
❍ I DO NOT want to receive any mailings

I'm signing up for:

❍ Individual/Family Membership ($18)
❍ Business Membership ($100)
If an existing member your # _____
Make checks payable to:
Twin Cities PC User Group
341 County Rd C2 W
Roseville, MN 55113

http://www.tcpc.com

❍ Check #_____ ❍ Bill me
❍ New member ❍ Renewal ❍ Prior member
I'm interested in:
❍ Training classes ❍ Volunteering
❍ Special Interest Groups: New User, Access, etc.
List here:

Administrative Use Only Rec'd_____ Chk#_____

July 9, 2019
General Meeting 7:00 PM

DIY: Converting VHS Tapes To DVDs

Summit Place
8505 Flying Cloud Dr.
Eden Prairie, MN 55344

More info and map: www.tcpc.com

N

Hwy 494

Flying Cloud Drive

Prairie Center Drive

Eden Prairie Center

Summit Place

Fountain Pl

P

Twin Cities
PC USER GROUP

341 County Rd C2 W
Roseville, MN 55113

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