

Our Club

RCSI is a nonprofit 501(c)(3) group open for membership to anyone interested in computers and related technology. Our aim is to provide an exchange of information between users of digital devices. We are not in any way affiliated with any computer manufacturer or software company.

Program Meetings

No admission fee for non-members. Everyone is welcome! Second Tuesday of every month, except August, from 6:30pm – 8:30pm.

Help's Half Hour (Q & A)
 6:30pm – 7:00pm. *Members and Guests are welcome to attend and bring their computer related questions with them to get answered.*

7:00 – 7:15, Club Business

7:15 – 8:30+, Main Presentation

Come and join in the fun and enjoy a snack! **You are welcome to bring a guest.**

Become a Member

Go to our website, www.rcsi.org, and download a printed form for use by the Post Office mail, **or** enter your info online and pay with a credit card or PayPal, **or** attend a meeting.

The *Monitor* is published monthly by members of RCSI. Articles by our members may be reprinted by other user groups or nonprofits, without special permission, provided they are unaltered. A courtesy copy may be emailed to our author or Monitor editor.

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



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February 2020

Tuesday, January 14, Video Night
 'Life Saving Devices, and Inventions From the Past'
 presented by Tony Dellelo

Tuesday, February 11, 'Chromebooks 4 Seniors'
 remote presentation by Hewie Poplock

Tuesday, March 10, 'Browser Bloat & Service Workers:
 What to do about them?', a Mark Zinzow presentation

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Tesla delivers first batch of China-made cars

How a drifting DeLorean can improve driver safety

Australia first to test new lithium batteries

Club and Regional News

How Technology Has Changed Education: The Top 10 Changes

By Article City, Nov 22, 2019

Originally Posted On: <http://www.atyourbusiness.com/blog/how-technology-has-changed-education-the-top-10-changes/>

Years ago, it was up to the parents to educate their kids. Over time, this evolved into classroom learning. Since then, education has pretty much stayed the same...until the birth of, wait for it, the Internet! Yes, the Internet's made huge waves in education and technology. And with tsunami-like advances in technology today, it's still improving the



"Your Computer User Group of the Air", Saturdays from 12:00 pm to 2:00 pm, with Nick Francesco, Dave Enright, and Steve Rae. Broadcasting on JAZZ 90.1 FM (WGMC) from Rochester, NY. Call 966-JAZZ (585-966-5299) or 800-790-0415

Sound Bytes is the longest running computer call-in show in the known universe.

Free copies of the RCSI 'Monitor' newsletter can be found in the following computer stores: Microworx, TSC Electronics, Pod Computers, and Just Solutions. Digital copies may be obtained from www.rcsi.org or my Pcloud storage at <https://tinyurl.com/tonydel-rcsi>. Also includes presentation slides and articles too large for this newsletter.

Some Past Presentations:

Protecting Your Digital Life
Cut the Cord, Streaming Services
Autonomous Cars and Robots
Open Source and Free Software
Protecting Your Identity
Keeping Mobile Devices Secure
3D Printing, ENABLE project
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
Drones and Their Many Uses
Gifts and Gadgets for the Holidays

classroom. How technology has changed education is something worth looking into. Read on to get up-to-date!

1. Say Bye-Bye to the Library

Long gone are the days of searching through dusty old books and carrying a hefty book bag. Most students carry a smart device and do most of their work without pens and paper. The availability of accurate and up-to-date information at the touch of a screen is super convenient both for students and the rest of us. In fact, an average Internet user conducts 3-4 Google searches per day. How many more times will a student check Google for research purposes? Now, instead of teachers spending time instructing students on how to find information, they teach them how to sift through the abundance of information online.

2. Techie Teachers

It's not only students who benefit from Internet education. Teachers, schools, and universities see the many benefits of using technology to enhance their teaching. Some schools even provide every student with a laptop or tablet. Teachers use online videos and other media elements in their lectures. Some create their own digital content, such as animations, memes, and videos. Some teachers even arrange live sessions with educators around the world.

For example, students learning about the Arctic in a rural town in the US can follow a live expedition of scientists in the Arctic. From reading blog posts and watching videos to sending questions and contacting the team via webcam, students are unlikely to forget what they learn in sessions like these. This blend of traditional lectures with online content offers the best of both worlds.

3. Opportunities Galore

One huge way the Internet has changed education is that now, students technically don't have to go to school to receive an education. From online boot camps to university degrees, you can receive legit qualifications. This is great news for older students whose lives got in the way of university education when they were younger.

Some courses are free, others require payment. But because there's no bricks and mortar location, it's definitely cheaper to do an online course. Either way, the opportunities are endless for people of all ages and backgrounds.

4. Keeping in Contact

Before the Internet, communication was mainly limited to class time and study groups. If students had questions or were falling behind with their coursework, they had to wait until the next session. But now, students and teachers can keep that communication ongoing through social networks.

Students and teachers can use social media platforms such as Facebook, to contact one another. They can collaborate in online discussions, ask questions in forums, and reference online textbooks. It's the perfect way to keep students engaged when they're not in the classroom.

Special Interest Group

Linux Sig

We are back!

Linux Workshop
Sat, February 20, Noon-4PM

Gates Public Library
902 Elmgrove Rd
<https://www.meetup.com/Interlock-Rochester-Hackerspace/events/psggnqybcbxb/>

Come and get your questions about Linux answered. 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.

Carl Schmidtman

Free, Virtual Technology Conferences, ONLINE
presented by APCUG

2020 Schedule
**Saturdays: Feb 8, May 2,
Aug 15, Nov 7**
from 1 – 4 pm, EST

For Conference Descriptions
& Registration Links, go to
apcug2.org/category/virtual-tech-conference

5. Enhanced Flexibility

Internet education is largely popular due to its flexibility. A traditional classroom requires a rigid schedule and a permanent location. People who work full-time or have kids to look after, miss opportunities because of their lifestyle. Now students can learn from anywhere at any time. Whether it's at home, during their lunch break at the office, or sitting in the car waiting for the kids to finish school, all they need is an Internet connection.

6. The World at Your Doorstep

As you can connect with anyone in the world, students can enroll in other countries. This provides great opportunities for those who are geographically isolated or underprivileged. It also gives opportunities for home-educated kids to access structured online lessons. This is extremely beneficial if you're learning a language. If your online teacher is living in the region the language originated from, their teaching skills should be better. And it's all without leaving the comfort of your own home!

7. No Excuses for Missing Schoolwork

What happens when students forget their homework? They either have to fall upon the mercy of their teacher or call an irate parent at home to beg them to bring it in. Either way, it's not a good situation. Homework today is usually submitted as an email attachment, a shared document, or through an online message board. And if you do need a hard copy, you can log into your cloud and print it off. It's as easy as that. Now nobody can use the age-old excuse: "The dog ate my homework"!

8. Continuous Training

Online learning platforms are perfect for those who wish to further their knowledge of the field they currently work in. For example, if there's a legal requirement for an engineer to update their license, a [PDH Pro](#) online course may be all they need to get up-to-date with current legislation.

9. Students Love It

The combination of the Internet and education is a welcome change for students today. In fact, in 2016, [6.3 million students](#) took at least one online class. And the number keeps going up. Many students feel online learning gives them the opportunity to learn at their own pace. This relieves the pressure many students in the classroom face.

10. Teachers Love It Too!

In the early days of online learning, employers and educators looked down on Internet-based courses. But now, over [77% of academic leaders](#) believe online learning is equal or superior to traditional classroom learning. This has led to esteemed colleges and schools using online courses to enrich their training programs. Some courses and degrees are now only available as an online diploma.

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Planning Meeting

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

Newsletter Printing

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

From Googling everything, to online degrees, the world is at your fingertips. But now you know how technology has changed education, what's next? It's time to update your classroom!

Used without getting permission.

President's Corner

Forty Years

Part 2 of 2 -- (part 1 appeared in the Dec/2019 issue)

By Greg Skalka, President
Under the Computer User Group, CA



Timex Sinclair 1000 (ZX81)

In late 1988, a former co-worker of mine, Bob Woods (our current Webmaster), told me about a group he belonged to that might be able to help with my computer problems. I had been playing with my Timex Sinclair 1000 (ZX81) since the early 80's and had moved on to the Zenith Z-157, an IBM PC-XT clone. Since Zenith Electronics had acquired Heathkit in 1979 and formed Zenith Data Systems to cater to the computer market, SDHUG had also moved on to help users of ZDS computers and other IBM compatibles. I attended my first meeting in February of 1989 and joined the group the following month. By that time they were meeting at the Kearny Mesa Rec Center.

My involvement in the group started slowly and innocently at first. I



*The Less-Filling Newsletter of the
SAN DIEGO HEATH USERS GROUP
With the Same Outrageous Taste!*

wrote a review of a program from the group's library for their newsletter (August 1990 issue of the now Dup & Dump Lite), and then was asked to run for an Officer-at-Large position on the board in 1991. The board must have seen me coming, as they recruited me to take the minutes of the first board meeting I attended as an officer (see the Nov. 1991 issue). After taking board meeting minutes in the absence of our Secretary at the time, Clem Pepper, for another time (Sept. 1992 issue), I was "recruited" for the Secretary position in the fall of 1992. I would never again escape the board, serving two terms as Secretary, one as Vice President, and finally the top of the slate. So this fall, I will have served 28 consecutive years on the board and 24 consecutive years as President. My work with the group has been made far easier by the core group of key officers who have competently served just about as long. A number

Tidbits of probably useless information

Sound travels at the speed of 1,130 feet per second, about 770 mph at sea level.

Newborn babies' middle ear is full of fluid and can impair their hearing slightly.

A newborn baby's entire hearing apparatus is slightly immature but responds best to high-pitched voices.

A dog's attention level can be determined by noticing their ears. Ears forward means engaged. Pulled back ears means friendly.

Snakes hear through their jawbone and fish hear through ridges on their body because neither have physical ears.

Your ears don't stop hearing when you sleep; your brain chooses to ignore sound.

You do not need to clean the wax out of your ears unless you have an abnormal condition. Ears push the excess wax out as needed.

The roar that we hear when we place a seashell next to our ear is not the ocean, but rather the sound of blood surging through the veins in the ear.

In the inner ear, there are three small loops above the cochlea called semicircular canals. Like the cochlea, they are also filled with liquid and have thousands of microscopic hairs. When you move your head, the liquid in the semicircular canals moves, too, and helps you keep balance when in motion.

Wearing headphones for just an hour will increase the bacteria in your ear by 700 times.

The number one cause of hearing loss is exposure to excessively loud sounds (85 decibels or higher).

of significant changes occurred in the group since I joined the board. In 1993, with the decline of both the Heath name and our membership numbers, our President at the time, Sandy Shapiro, led the board in discussions on changing our group's name to something more relevant to the computing landscape of the day. Our December 1993 newsletter was to be the last with the SDHUG logo, as the membership voted at the December general meeting to change to the Under the Computer Hood Users Group, or UCHUG. Note that other names on the ballot were Under The Hood Users' Group (UTHUG) and Under the Hood Users' Group (UHUG). Our members made a good choice, keeping a piece of our heritage while expressing our focus on all technical (under the hood) aspects of computer hardware and software. By February 1994, we had also changed the masthead of our newsletter to the more relevant "Drive Lite" (it would later change to the current "Drive Light"). As S.D. UCHUG, we remained a user group affiliated with the San Diego Computer Society (SDCS). Our relationship with SDCS brought a number of benefits, including booth space at many computer fairs and expos sponsored by SDCS and ComputerEdge. Our expo booths at the San Diego Convention Center proved to be a great place to show off our group and recruit new members. We also were allowed to use the VGA projection pad belonging to the SDCS for our meeting presentations (remember overhead projectors?). Later we were told we could only use their pad while at the San Diego County Office of Education, where the SDCS met, so in September 1994 we moved our general meetings there. This was generally a good meeting location for us, especially when we got to meet in their plush Joe Rindone Technology Center.

In 2003 I attended my first Southwest Computer Conference. Since they were at the time being held in San Diego, we could usually get good representation there by members of our group. At our 2004 picnic we celebrated the group's silver anniversary. The 25th anniversary edition of the Drive Light that Art Gresham, our long-serving editor, put out that month contained lots of great historical information on our group for the occasion.

Our relationship with the SDCS turned sour later that year when, in decline, the SDCS was effectively taken over by members of SDMUG, the San Diego Macintosh User Group, which was another associated group. This was one of the most difficult times I have seen our group face, but by December of 2004 we were able to settle with the SDCS in a manner acceptable to all. Through the hard work of Peggy Elliott and Al Brengle, we were able to incorporate as a California Public Benefit Corporation and were granted 501(c)(3) Federal tax-exempt status and state tax exempt status in 2005 and were returned our assets held by SDCS. Now SDMUG is still out there (it appears by their Meetup page that they are now a SIG of CyberTECH, another non-profit tech group) and we are still going, but it appears that SDCS is no more.

With SDCS out of the picture we were initially able to continue meeting at the SDCOE facilities for free, but in December of 2008 we were informed that we would be charged (quite a bit!) going forward. Through the help of UCHUG members that also belonged to the Seniors Computer Group, we were able start meeting at the Wesley Palms retirement community in February 2009. We have enjoyed using their wonderful facilities ever since (though due to our reduced size, we were

Jere's Tech Tips

By Jere Minich, Apcug Advisor,
Region 5 (AL, FL, GA, SC)

WHY YOU SHOULD SIGN IN WITH GOOGLE, FACEBOOK, OR APPLE – Are you still creating user accounts everywhere? Maybe you should stop and sign in with your Google, Facebook, or Apple account instead. It might just be more secure—and it's definitely more secure if you're not currently using a password manager.

Go to this How-To Geek web page and get the excellent advice on how to stay secure if you are not using a Password Manager.
<http://bit.ly/2oVyABu>.

HOW TO CONNECT YOUR ANDROID DEVICE TO A PROJECTOR – Android devices are great, but their small size can sometimes be limiting. When you connect your device to a projector, you can share your screen with others for business or pleasure. Here are a few ways to do it.

If you don't have a projector, you can also connect Android to a TV. Projectors are the better option, though, as they normally project a much bigger screen size than a TV, making them ideal for media playback or data presentations.

Read more at this How-To Geek webpage <http://bit.ly/2JB8T0F>.

9 WAYS TO USE WINDOWS 7 (SAFELY) WHEN SUPPORT ENDS – With Microsoft's support ending in January, IDG Insider's Windows 7 Survival Guide for 2020 offers ways to protect your older machines that can't or won't be upgraded.

Read more at this IDG Insider webpage <http://bit.ly/2C0qElG>.

moved from Woodbury Hall to the smaller Activities Room a few years ago).

Our group's attendance at the Southwest Computer Conference was strong while it was held at the Town & Country Hotel and Convention Center in San Diego, with a dozen or so members able to go each year. Once the conference (then renamed the Southwest Technology and Computer Conference) moved to the Kellogg West Conference Center at Cal Poly Pomona in 2013, the number of UCHUG members that could make the journey dropped to a handful. Unfortunately, overall attendance was also down and 2015 was the last year the conference was held.

UCHUG has for many years (approximately 10) been a member of the Association of Personal Computer User Groups, or APCUG. It is an organization helping groups devoted to technology, providing resources and facilitating communications between groups. Our group has used many live (through video conferencing) and recorded presentations provided by the APCUG Speakers Bureau and their Virtual Technology Conferences (VTC). Through Judy Taylour, a Southwest organizer and APCUG Board of Advisors member, our group was invited to participate in SCRUGS (Southern California Regional User Group Summit), a quarterly meeting of SoCal user group leaders held in the Los Angeles area. I have been attending those meetings for about the last ten years, bringing useful information on presentation sources and dealing with organizational and membership issues back to our board.

In recent years the board has continued to look for ways to attract new members. One way we have tried to get our group's name out there is through our Meetup page, started a few years ago. Though we have several hundred Meetup "members," this has translated into only a handful of actual new members for the group. The costs for our Meetup membership have so far been covered by generous donations from our Vice President.

Through all the changes our group has gone through over 40 years, we have always provided informative monthly presentations (at least ten months per year), engaging social activities (December parties and June picnics) and mutual help and support through our "random access" problem solving sessions. With our membership in a slow decline, we continue to seek new ways to stay relevant. With our members interested in new technologies like smart phones, smart homes and tablet computers, we have added more presentations in those areas.

Our Future

Over the years, prudent management and fortunate meeting room arrangements have kept the group on a solid financial footing. Our main problem is the same as most groups in APCUG - a declining (and aging) membership. I would have liked to research our group's membership numbers over the years and be able to provide a graph, but never found the time. Most APCUG groups report problems recruiting members for officer positions, a common issue in volunteer-run organizations. Some groups wind up disbanding due to a lack of volunteers to fill board positions, as groups cannot be run by only a couple of volunteers filling multiple officer positions. UCHUG has been very fortunate to have a very good group of dedicated and long-serving officers as its board of

Programs recommended by our members

UVK - Ultra Virus Killer's hyperbolic name seems to connote a software suite that scans for and eliminates viruses from your PC. The reality is a little more mundane - UVK is a suite of tools that does, as a part of its functions, scan for malware, but more importantly it can help undo damage that malware has caused. The app can repair system files, fix startup applications, manage processes and the registry, and far more. This app is definitely for power users, and less-experienced users should probably shy away from this one.

www.carifred.com/uvk/

McAfee AVERT Stinger is a security software that detect and remove specific viruses on your computer.

This software is not a substitute for full anti-virus protection, it is a tool to assist administrators and users when dealing with an infected system. It utilizes scan engines technology which includes process scanning, digitally signed DAT files as well as scan performance optimizations.

McAfee AVERT Stinger detects and removes threats identified under the "List Viruses" icon in the Stinger application. It also scans the system as well as allows the user to add or browse button to add additional drives or directories to scan.

In addition, it is integrated with Artemis Technology, click on preferences and then select the required sensitivity level.

www.mcafee.com/enterprise/en-us/downloads/free-tools/stinger.html

directors. Our core group of officers - president, secretary, treasurer, editor and librarian/webmaster - have all been serving in those positions for at least 20 years. We have always been able to keep at least nine officers (out of 11) on the board at any time, with all the key positions filled.

We have not been as lucky with total membership, as though we may pick up a new member or two per year, we lose more and have now declined to 21 paid members. With ten of them officers, our board now makes up almost half the group. While we have had some luck in the past attracting younger members, I'm pretty sure we currently don't have any members under fifty, and many are in their seventies and eighties. We generally do have a pretty good turnout at meetings, though, with 17 reported at our March meeting this year (this is great considering a few of our members live out of the area and don't ever attend).

Our board has had discussions on what to do when our membership numbers get too low, though we have not defined what too low is. We continue to look for ways to boost membership. More advertising might help, though finding the right method and medium is key. We send our presentation information to Wesley Palms to publicize, but we have never had much luck attracting their residents to our meetings. Still, we will keep trying to provide presentations and benefits of value. As long as we continue to have a strong board made up of hard working and congenial members, they will hopefully steer our group through many more anniversary celebrations.

Happy 40th anniversary to UCHUG!

From the June 2019 issue, Drive Light, www.uchug.org,
president@uchug.org.

* * * * * SOFTWARE and HARDWARE * * * * *

Ask Leo !

By Leo Notenboom, <https://askleo.com/>
Making Technology Work For Everyone

When Does Windows 10 Support End?

The end-of-support date for Windows 10 is now based on the release date of the feature update you last installed.

With the impending end of support for Windows 7, and the relatively low uptake of Windows 8.1, the next natural question to ask is, of course: how long will Windows 10 be supported?

It's complicated.

Unlike prior versions of Windows with specific end-of-support dates, Windows 10 doesn't really have one.

Or, if you look at it differently, its support ends every six months.

Some Interesting Websites and Internet Finds

Bored Panda is a Lithuanian website that publishes articles about "lightweight and inoffensive topics". It was founded in 2009 by Tomas Banisauskas, who was then a business administration student at Vilnius University.
www.boredpanda.com

Boredom doesn't mean you should distract yourself with the simplest and most mind-numbing content out there on the web. Try expanding your knowledge by diving deep into the incredibly useful and thought-provoking blog posts on **Brain Pickings**, which is a popular blog run by MIT fellow Maria Popova. She's the one who does all the research and writing for each post.
www.brainpickings.org

TED has become a powerful organization in spreading ideas and knowledge. The nonprofit organization hosts conferences around the world where people of all walks of life share their amazing ideas and experiences through short speaking gigs. If you have a pair of headphones handy, you should definitely check out this site. You can find video talks on practically any subject you're interested in.
www.ted.com

Laughing Squid should be a favorite blog to check out just for all the wacky, inspiring and unbelievable stuff you can find there. You can find all sorts of highly visual posts about art, culture, and technology on this site, most of which are photos and videos.
www.laughingsquid.com

It's all about feature updates

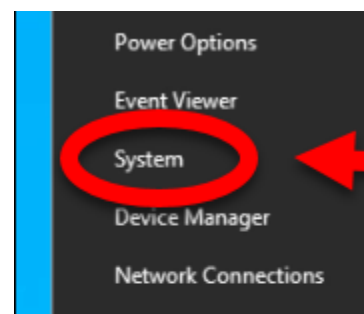
The short, simple rule of thumb is this: each Windows 10 "feature update" is supported for 18 months — a year and a half.

A "feature update" is the major update that happens every six months, usually around May or September. You'll see them referenced with a four-digit number, like 1809 for the September 2018 feature update, or 1903 for the March 2019 update.

Regardless of the name, each feature update is supported for 18 months from its actual release date. For example, according to the current [Windows lifecycle fact sheet](#), the most recently released feature update — 1903, or March 2019 — will be supported until December 8, 2020, 18 months from its actual release date.

Determining your feature update

To see which feature update you have installed, right-click on the Start button and click on **System** in the resulting menu.



You may need to scroll down in the resulting window to make "Windows specifications" visible. It'll include "Version", which is the feature update we're looking for.

Windows specifications

Keep updating

As long as you continue to take feature updates as they're made available, your machine will continue to be

Edition	Windows 10 Home
Version	1903
Installed on	5/22/2019
OS build	18362.449

[Change product key or upgrade your edition of Windows](#)

supported. Your end-of-support date will jump ahead each time to 18 months from the date that particular feature update was released.

In theory, that means your machine will be supported forever — feature update after feature update.

In theory.

If you can't update

I vaguely recall a statement to the effect that "Windows 10 will be supported for the life of the hardware on which it's installed" when it was first introduced. I'm either mistaken, or that rule no longer applies. Based on this quote from [the lifecycle page](#), I suspect the latter:

A device may not be able to receive updates if the device hardware is incompatible, lacks current drivers, lacks sufficient storage space, or is otherwise outside the original equipment manufacturer's (OEM) support period.

Penguin Platform

By “Free John” Kennedy, Apcug
Advisor, Regions 3 and 6/7

DEBIAN VS. UBUNTU: THE SIMILARITIES, DIFFERENCES AND WHICH ONE YOU SHOULD USE – Ubuntu received a lot of love in its earlier releases. It made many seemingly complicated operations, easier for beginners just coming into the world of Linux-based distributions. Since Ubuntu is created from Debian, the two are very similar at the core. However, with the changes Canonical made to Debian to create Ubuntu, there are also a lot of differences, some of them subtle. Read the article to see which might be the right one for you, <http://bit.ly/30sTipW>.

NEON: A WANNABE LINUX DISTRO FOR KDE LOVERS – KDE Neon is a bit of an oddball Linux thing. Linuxland has an impressive collection of oddball things. Neon looks and feels much like a Linux distribution, but its developers assert quite openly on their website that Neon is not a real Linux distro. It just installs and functions like one — sort of. Find out how this is possible in the article from Linux Insider: <http://bit.ly/316AXPY>.

HOW TO LIST YOUR COMPUTER'S DEVICES FROM THE LINUX TERMINAL – Read this How-To-Geek article to find out exactly what devices are inside your Linux computer or connected to it. HTG covers 12 commands for listing your connected devices, <http://bit.ly/2FXX5E3>.

I've certainly heard reports of specific machines not being able to receive the latest feature update. Changes were introduced that make the feature update incompatible with that machine.

If you can't move forward, you can't alter the end-of-support date. Your installation of Windows 10 will reach end-of-support 18 months from the date of the latest feature update you were able to install.

End of support doesn't mean end of use

As we've seen with both Windows 7's impending end-of-support, and Windows XP's, which is long past, if your Windows 10 installation does reach its end-of-support date, it'll keep working just fine.

Over time, more and more software will become incompatible as it also moves forward, but you can keep using the machine and all the software that runs on it, with one important caveat: you must pay special attention to security.

When support for a Windows 10 feature update ends, the primary problem is that no further security updates will be released. That means that eventually, it's possible that a [vulnerability](#) will be discovered that won't be patched. Similarly, while security software — including Windows Defender — will continue to work and be updated for some time past the Windows end-of-support date, eventually, that will also cease. You'll need to ensure that your security software, in particular, continues to work properly for as long as you run that edition of Windows 10 — or replace it with software that will.

#

Computer History

by Leah Clark, President and Editor
Los Angeles Computer Society, CA

Recently I was in Washington D.C. While there, I visited the Smithsonian Museum of American History. They had a special exhibit on computer history. There was a sign that read, “Unless you know the road you've come down, you cannot know where you are going”. I wonder where computer and other technologies are going? Here is some information from the exhibit.

Both corporate researchers and self-trained hobbyists played crucial roles in the invention of the personal computer. Robert Noyce, Gordon Moore and Andy Grove used their doctoral training in physics and chemistry to found Intel, a leading manufacturer of integrated circuits. Alan Kay and others at Xerox advanced computer graphics, networking, and printing. The Homebrew Computer Club in Menlo Park, California, gave hobbyists a place to share knowledge. Homebrew members Steve Jobs and Steve Wozniak founded Apple Computer after demonstrating their Apple I kit at the club.

Early computers were big and expensive and required technically trained specialists to run them. Not surprisingly, only universities, big businesses, and government agencies had access to these behemoths. In the 1970s and '80s, Silicon Valley inventors changed the face of

*** * Computer Jokes * ***

Stolen from Everywhere

Problems Are Not Confined to the Computer Hardware.

What about the Users?

A woman customer called the Canon computer help desk with a problem with her printer.

Tech support: Are you running it under windows?

Customer: 'No, my desk is next to the door, but that is a good point. The man sitting in the cubicle next to me is under a window, and his printer is working fine.'

Norman and Libby

Norman was in his front garden mowing his lawn, when his neighbor, Libby, came out of her house and went straight to the mailbox. She opened it, then slammed it shut and stormed back into the house.

Ten minutes later Libby came out of her house again, went to the mail box, and again opened it and slammed it shut again. Angrily she stormed back into the house.

As Norman was putting his mower away, Libby came out once again. She marched up to the mailbox, opened it and then slammed it closed.

Puzzled by her distress Norman asked, 'What's wrong with your mailbox Libby?'

To which she replied, 'It's my stupid computer, it keeps telling me, 'New Mail has Arrived.''

Give a man a fish and you feed him for a day. Teach him to use the 'Net and he won't bother you for weeks.

computing with the first “personal computers” small enough to fit on a desk. They created revolutionary features that we take for granted today — a hand-held input device called a mouse, a graphical user interface with overlapping “windows,” and clickable pictures called “icons” — and made computers less expensive and more “user-friendly”.

Douglas Engelbart and his colleagues at the Stanford Research Institute were pioneers in the field of “human - computer interaction”. In 1964, they built a hand-held pointing device to manipulate images and text on a monitor's screen. The prototype was a simple wooden box with two perpendicular metal wheels, a selection button, and a wire connection to the processor. Engelbart's “mouse” was subsequently refined by researchers at Xerox PARC and made popular with the release of the Apple Macintosh in 1984. Engelbart later noted, “It just looked like a mouse with a tail, and we called it that”.

From the October 2019 issue, User Friendly, www.lacspc.org,
leahjc@sbcglobal.net.

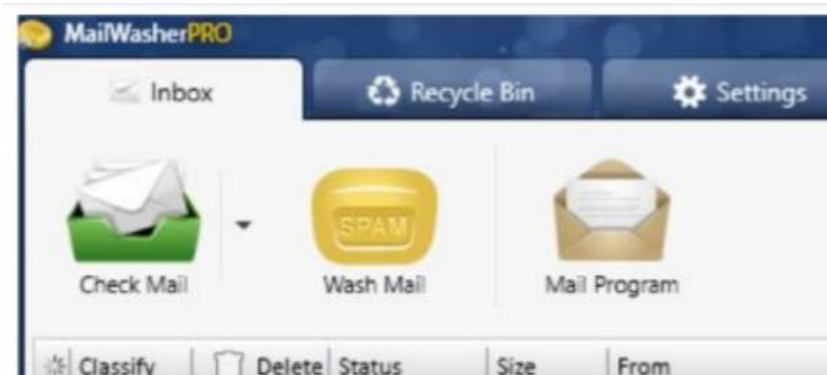
Review: MailWasher Pro

Another Level of Protection

by Jim Fromm, Editor/Webmaster
MOAA-The TUG, HI

Our September meeting was mostly Q&A; one of the questions received via email was about MailWasher Pro. I am going to save some keyboard clicks and refer to it as MWP. It is a utility that lets you look at the headers of all the emails in all of your mailboxes before downloading. It is very useful if you have multiple mailboxes. I have 12 email addresses, (don't ask), and eliminates the ads, solicitations, requests from Amazon for reviews, etc. before they ever make it into my mail program. Besides saving space, it decreases the chance of getting bit by malware.

Here's a portion of the opening screen. You have three immediate choices. Check for new mail, Wash (delete) mail and Select the mail



program you want to use. Messages are listed in order received (default) or you can click on the title bar to separate them to your liking. Clicking on the box in the Delete column will select those emails for deletion. When you've finished picking the ones you don't want, click on the bar of soap icon. They will be deleted from the listing—but—like a bad penny,

Odds and Ends

Try out these programs and let me know what you think. Great, good, okay, stinks at tonydel@techie.com.

PC Decrapifier, is a free tool that helps remove programs, unnecessary startup items that can slow down your PC. It takes you step by step, giving you recommendations on what to remove, many of which can be removed unattended. This program can help get rid of the 'bloatware' often included in new computers.

www.pcdecrapifier.com

Should I Remove It?, is a freeware utility from Reason Software that uses crowdsourced data to recommend removal of programs from Microsoft Windows systems. It is a very simple but extremely powerful Windows application that helps users, both technical and nontechnical, decide what programs they should remove from their PC.

www.shouldiremoveit.com

WinUtilities Free Edition, is a multi-functional system performance and optimization suite for Microsoft Windows. This collection of tools lets you supercharge your PC's performance, enhance its security, tweak and optimize its settings, and customize and personalize your screens. Includes over 20 tools, to boost your computer's performance, like Registry Cleaner, DiskDefrag, Memory Optimizer and others to improve maintenance tasks scheduling and file recovery.

www.pcclean.io/winutilities-free/

they are not completely gone. The messages are moved to the Recycle bin and will remain there until you clean it out.

If you want to recover one, or more, of those in the Recycle bin, merely right click on the email and select Restore. You'll need to have designated an email address to send them to. They will be sent to that address and show up in MWP again.

After you've decided which ones go and which ones stay, click on Mail Program. Your designated mail program will launch and download the mail into their respective Inboxes.

- If you've signed up for a number of ezines that you no longer want and have been unable to unsubscribe, click the box in the delete column.
- If you receive emails urging you to verify your subscription, for which you've never signed up for, click the box.
- If you get email from companies offering you discounts on products that you're never going to buy, click the box.

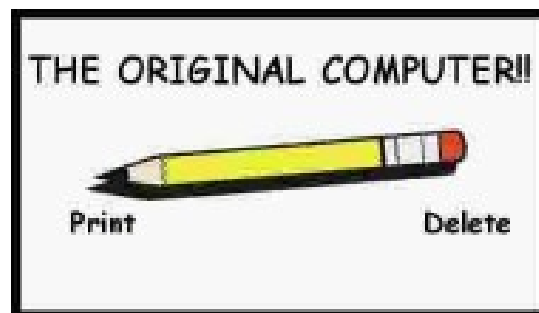
Simple as that. You can mark messages as spam and block them via sender, and even domain.

Avoid viruses, spam, junk mail and other pesky emails with MWP. Works with all email programs. I use Outlook 2019. Set-up is easy; MWP will import the settings for your existing email accounts.

Now, here comes the part that will turn some of you penny pinchers off. MWP is not free. The initial one-year subscription costs \$29.96 and can be used on three computers, including your mobile devices. Renewals are \$24.95 per year, three computers. I just renewed with a 2-year renewal for \$43.16. I've been using MWP since version 1, they are now into version 7.

Hooray!!, there is a free 30-day trial version. You can use it with full functionality for 30 days and then, subscribe or take your chances and do without it. Travel to <https://www.firetrust.com/products/mailwasher-pro#> to get the trial version or pay to help the authors.

Reprinted from the October 2019 issue, The TUG newsletter, www.the-tug.org, editor@the-tug.org.



Editor's Note: To continue reading the following articles, you may copy the long URL at the end of the article and enter it into a web browser or go to www.rcsi.org/newsletr.htm and click on the URL.

Tesla delivers first batch of China-made cars

Reported Dec 30, 2019

Tesla delivered its first batch of China-made cars on Monday, less than a year after the electric vehicle company broke ground on its first plant outside the United States. Work began on the firm's multibillion-dollar Shanghai "Gigafactory" in January, allowing the company to skirt trade tensions between China and the US and sell directly to the world's largest "green" vehicle market.

The first cars to roll off the assembly line—15 of Tesla's mid-price, mass-market Model 3 design—were given to employees who had placed advance orders during a ceremony at the plant. Tesla plans to begin large-scale deliveries of China-made Model 3 sedans next month, said the firm's China general manager Wang Hao. The company was now producing more than 1,000 cars per week in China and hoped to double the figure next year, manufacturing director Song Gang told Bloomberg News. Chief executive Elon Musk has said production could rise to 3,000 vehicles per week in the future.

Finish article at <https://techxplore.com/news/2019-12-tesla-batch-china-made-cars.html>.

Driving sideways to move forward: Stanford engineers show how an autonomous, drifting DeLorean can improve driver safety

By Bjorn Carey, December 20, 2019

Engineers in Stanford's Dynamic Design Lab, are teaching a driverless DeLorean to steer with the agility and precision of a human driver with a goal of improving how autonomous cars handle in hazardous conditions. As the DeLorean rolled to a stop and the cloud of tire smoke cleared, Jon Goh peeked out the sliver of the passenger-side window to see dozens of gathered spectators cheering and high-fiving the successful test.

The crowd, and anticipation, had built throughout the afternoon, while Goh, a recent mechanical engineering PhD graduate from Stanford, had been outlining a kilometer-long obstacle course in traffic cones at Thunderhill Raceway in Northern California. The sun was setting fast, but Goh and his co-pilot, another grad student named Tushar Goel, couldn't wait until morning to take a shot at the twisty course. Besides, MARTY, the driver, didn't need to see the track – it needed only GPS coordinates and the algorithms on Goh's laptop to chart its path.

MARTY is a 1981 DeLorean that Goh and his colleagues at Stanford's [Dynamic Design Lab](#) converted into an all-electric, autonomous drift car. Four years ago, MARTY drifted – the style of driving where the car moves forward even though it's pointed sideways – through its first [doughnuts with inhuman precision](#). Since then, Goh and team have been busy welding and coding to prepare MARTY to apply those basic drifting skills to an intense driving course, and unbelievably everything had worked perfectly. MARTY screeched its way through turns and quick zigs and zags in just a few minutes, kicking up smoke and bits of rubber, without nicking a single cone along the course.

You can continue reading about MARTY and watch a video at:

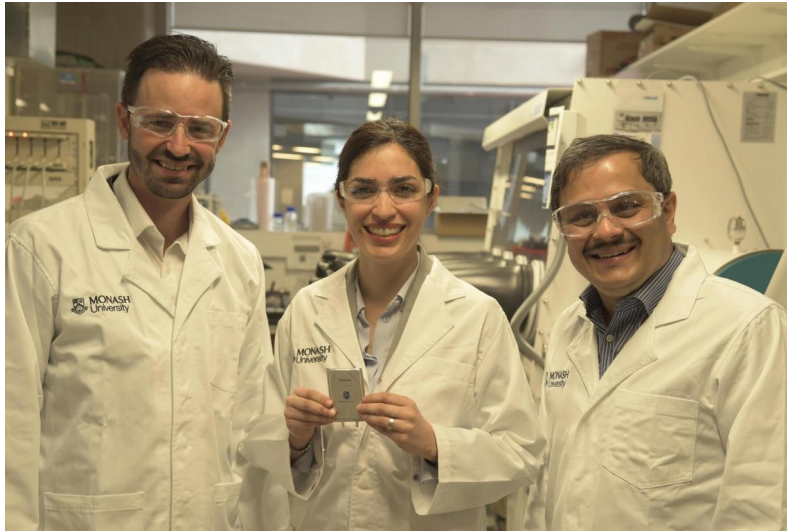
<https://news.stanford.edu/2019/12/20/autonomous-delorean-drives-sideways-move-forward/#>.

Supercharging tomorrow: Australia first to test new lithium batteries

Reported on the Monash University website, January 4, 2020

Imagine having access to a battery, which has the potential to power your phone for five continuous days, or enable an electric vehicle to drive more than 1000km without needing to 'refuel'. Monash University researchers are on the brink of commercialising the world's most efficient lithium-sulfur (LiS) battery, which could outperform current market leaders by more than four times, and power Australia and other global markets well into the future.

Dr Mahdokht Shaibani from Monash University's Department of Mechanical and Aerospace Engineering, led an international research team that developed an ultra-high capacity Li-S battery that has better



performance and less environmental impact than current lithium-ion products. The researchers have an approved patent filed (PCT/AU 2019/051239) for their manufacturing process, and prototype cells have been successfully fabricated by German R&D partners Fraunhofer Institute for Material and Beam Technology. Some of the world's largest manufacturers of lithium batteries in China and Europe have expressed interest in upscaling production, with further testing to take place in Australia in early 2020.

***** CLUB and REGIONAL NEWS *****

Linux Sig, new location, Gates Public Library, February 15, from noon to 4pm.

Newsletter mailings have stopped. Your yearly dues included a 'hard copy' of the monthly newsletter. The Planning Committee has not yet revised the pricing structure for membership. Digital copies may be obtained from www.rcsi.org or my **Pcloud** storage at <https://tinyurl.com/tonydel-rcsi>. Also includes presentation slides and articles too large for this newsletter.

Upcoming Presentations for February and March:

Hewie Poplock, '**Chromebooks 4 Seniors**'. A Chromebook is a perfect solution for those who don't want or need a powerful computer and who can do everything they want and even more, without worrying about viruses or malware, having to learn how to maintain their system, and having the system crash. Many of us don't want to know what's happening under the 'hood'; Chromebooks cut out the confusion. There are some settings, but nothing really needs to be changed for the machine to work perfectly out of the box. Keeping your PC, phone, tablet, and software all updated to the latest version can be a full-time job. Chromebooks are much more secure with updates on an almost-weekly basis so security flaws or loopholes are dealt with almost instantaneously. An icon prompts the user to restart – it's fast, easy, and secure.

Mark Zinzow, '**Browser Bloat & Service Workers: What to do about them?**'. We know multiple tabs and extensions in our browsers use additional memory and CPU resources, but did you know most web sites you visit now install JavaScript programs, without your knowledge or consent, called service workers, to do things like place ads on your desktop your ad blocker usually can't stop, and these service workers are run in their own system process with all the memory and system overhead that entails? These programs can even run after you close the tab or site that installed them, and restart every time you launch your web browser. My motto is now: **"Service workers in my browser are like barnacles on my Internet surfboard."** and "Just say NO to desktop notifications".