
The Memory Map

Canton Alliance Massillon Computer Users Group



Volume 43, Issue 6

June 2023

Next CAMUG Meeting, June 19, 2023 Both Zoom and In Person!

- Join us in person at Holy Cross Lutheran Church, 7707 Market Ave. in North Canton, Ohio.
- OR use the Zoom link that Dennis will email.

Program

6:15 PM: Chit-Chat

6:30 PM: "Another Look at Google" by Carol Joliat

7:00 PM: Five-minute break

7:05 PM Meeting: Videos chosen by Dennis Smith about "Advice on Buying a New Computer"

Time to Replace Your Computer? Do this first.

By Phil Sorrentino, Secretary, and APCUG Rep

Sun City Center Computer Club, FL

<https://www.scccomputerclub.org/>

philsorr ** yahoo.com

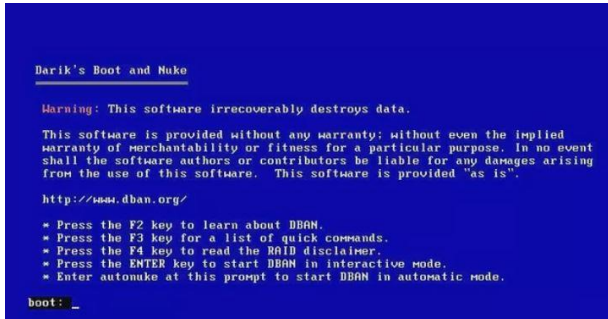
To most of us, replacing our computer is a double-edged sword. There is the joy of expecting to take advantage of newer, faster hardware and software, and then there's the challenge of the unknown, new features. This is especially true now because we have been using Windows 10 for a long time and our next computer will undoubtedly have Windows 11. Windows 11 was released in October 2021. All computers from typical manufacturers like Dell, HP, ASUS, Microsoft, Toshiba, Lenovo, etc., come with Windows 11. Windows 11 does have some new features, but most Windows 10 users should feel comfortable with Windows 11 once they find out where their favorite features are. They're all there, but the path to get to them is not always clear. Before you think about how to use the new computer, there is one last thing you should do with your old computer. And that is to ensure no personal information is on the old computer. You may be giving the computer to

someone, or you may be donating the computer to a service that refurbishes computers for re-distribution, or you might take it to an e-waste facility. You don't want your private information to go to the new user. (As for donated computers, I can confidently say that all the Computer User Groups I have been associated with always wiped the hard drives before anything else was done. Hard drives are often not even useable, so they are removed and destroyed, usually with a hammer or drill.)

Just a brief technical discussion. By now, most computer users know that deleting a file does not actually remove the file from the computer, and with some basic software, the file can be read (as long as another file has not been written over it). The first byte of the file indicates whether it is deleted or not. This may have been done to make it very easy for the Operating System to delete files, so it doesn't take too much time, especially if you are trying to delete hundreds of files at a time. But this leaves the file on the drive intact, except for the fact that the first byte indicates it has been deleted. When the file is deleted, all of the data space is returned to the Operating System so it can use the space again when it needs space for a new file. Depending on what else is happening, the deleted file may be written over in the next few seconds, but it might remain intact or partially intact for a long time. Of course, if it contains personal information, that information is at risk.

In the past, it was more difficult to ensure you removed all your personal information because the functionality wasn't part of the Operating System. Instead, you had to use a separate software program developed specifically for writing useless data into all of the space originally occupied by data files. There are many of those programs available, one of which is called DBAN. But today, Windows 10 makes the job very easy because that functionality can be found in Settings' "Update and Security" section. First, choose the "Recovery" option, then "Get Started," and finally, select "Reset this PC." At that point, you will be presented with "Keep my files" and "Remove everything." "Keep my Files" Removes apps and settings but keeps your personal files; you don't want this choice. "Remove everything" Removes all your personal files, apps, and settings, which is what you want. Choosing "Remove everything" will write zeros into all of the space used by your files. Once zeros are written into a file's data space, that file will not be able to provide any indication of the original file contents. (The only slightly possible exception may be highly specialized hardware and software probably only owned by hard drive manufacturers and executed only by some government agency.) So, for all intents and purposes, the data is gone. (Remember that only the C: drive was wiped clean of your personal data. If you have a second drive, as might be the case with a desktop with personal data, the data is still on the second drive.) As a bonus, Windows 10 will be re-installed. The computer should be operating just like it did when you originally got it, but without any of the apps you installed and, of course, without your personal information.

If, for some reason, you are not comfortable using Windows 10's "Reset this PC," there is always software like DBAN available. DBAN is short for Darik's Boot And Nuke. DBAN is Free Open-Source Data Wiping Software for Personal Use, as it says on its website, dban.org. As you can see from the website, DBAN has many features and options, probably more than the average user will need. You can also get DBAN from filehippo.com, a reasonably safe place to download software. DBAN works well, but it comes with a warning, as shown below, and a disclaimer that "the authors are not liable for any damages arising from the use of this software," which might frighten some potential users."



```
Darik's Boot and Nuke

Warning: This software irrecoverably destroys data.

This software is provided without any warranty; without even the implied
warranty of merchantability or fitness for a particular purpose. In no event
shall the software authors or contributors be liable for any damages arising
from the use of this software. This software is provided "as is".

http://www.dban.org/

* Press the F2 key to learn about DBAN.
* Press the F3 key for a list of quick commands.
* Press the F4 key to read the RAID disclaimer.
* Press the ENTER key to start DBAN in interactive mode.
* Enter autonuke at this prompt to start DBAN in automatic mode.

boot: _
```

DBAN's Warning

"DBAN has been designed for the home user, and although it is good at what it does, the interface is a little clunky" is a quote from the filehippo.com description, so unless you are a technically inclined user or very adventurous, this may not be for you. Use the Windows 10 "Reset this PC" functionality in that case.

Lines from Liz

By Liz Milford

I'm experimenting with AI. I used Bing in the Edge browser, Chat GPT, and Bard. The prompt was: Write a short poem about our computer club's next programs: Another look at Google and Advice on Buying a new computer. I liked the Bing result because it was just long enough. Here is the poem that Bing wrote:

To learn and share with fellow fans
We'll take another look at Google
And see what's new and what's useful
We'll also give some advice on buying
A new computer that's worth trying
So join us for our next programs
And have some fun with diagrams

CAMUG May 2023 Meeting Minutes

The meeting was held in person at Holy Cross Lutheran Church; it was also held on Zoom using a Zoom account provided by APCUG. Dennis Smith was host and presided over the 476th meeting of CAMUG on May 15, 2023, starting at 6:15 PM with general chit-chat.

Computer 101:

About 6:30 PM President Dennis Smith started the Round Table Discussion

- Dennis noted that the last feature update for Windows 10 was 22H2. All future updates will be for security only and will end in October 2025.
- Dennis contacted Microsoft because two of his Windows 11 computers wouldn't get the 22H2 update. He ended up reinstalling Windows 11 but keeping software and data. His program for creating web pages didn't work after the update because of a missing serial number. (Note: Later, Dennis found the serial number in an old BelArc Advisor report and was able to uninstall the software and reinstall it by entering the serial number, and it now works again.)
- Bruce Klipec showed his new Ecohero 15" laptop with Windows 11 Pro, 512 GB SSD drive, 12 GB RAM, a number keypad, but no touch screen for about \$350 from Amazon.
- The group discussed using alternatives for watching TV: antenna TV, cable, and streaming services like Hulu and YouTube TV.
- There was a short discussion about scams.

Regular Meeting:



Dennis started the main meeting about 7:05. There were 16 members present (Including one on Zoom) representing 15 family memberships. Since this is more than 15% of the membership, the meeting was declared valid. There were no visitors.

Dennis reminded the group about the renewal credit of \$5 for each new member you bring in.

For the On Time Drawing, Gerald Schaefer's name was drawn; he was attending and wearing his badge, so he was awarded the prize.

Program:

The program was "Routers" by Dennis Smith. A summary follows:

- A router is a device that connects two networks, usually the Internet (WAN) to a local area network (LAN).
- A router is needed to connect more than one device to the modem and Internet and/or to provide Wi-Fi. Some ISP providers have modems with built-in routers.

-
- A router should be placed as close as possible to the devices you want to connect. It should also be placed high in the room and away from other electronic equipment and obstructions (like metal file cabinets).
 - Owning a router is a one-time expense and must be replaced if it quits. Renting a router from the ISP requires a monthly charge but will be replaced for no extra charge.
 - Network types: A network with one broadcast point uses one router to provide Wi-Fi-connected and direct-wired-connected device. A mesh network, used for larger locations, uses two or more special “mesh” routers. One router is the base, and the others talk to each other and to the base.
 - There are two versions of IP addresses: IPv4 is 32-bit and is the most used. There are some IPv4 frequencies reserved for private/internal networks; the most common is 192.168.0.0 to 192.168.255.255. IPv6 is 128 bit and is not used as much.
 - Configuring your router: Every router is different, but most have similar configuration items:
 - Login as administrator. Be sure to change the password.
 - Set the router mode: normal router or access point.
 - Mesh mode (if a mesh router). Turn off if only one router; turn on if several mesh routers.
 - Set the IPv4 address but do not change the subnet mask of 255.255.255.0.
 - Parental controls to limit devices, content, and time of day it can be used.
 - Rebooting: You may be able to set a reboot schedule.
 - Router Statistics: There are charts showing many details about devices that are connected to the router.

Break: The group took a short break for refreshments and to allow the purchase of 50/50 tickets. Then the 50/50 drawing was held. Liz Milford won the first prize of cash, and Michael Doyle won some plastic dish covers.

Discussion:

- Dennis mentioned that most routers have a firewall that makes your internal network more secure.
- There was a discussion about choosing a router.
- Network extenders are another way to extend the reach of your Wi-Fi.
- Members mentioned several network analyzers: WiFi Inspector, Wire Shark, and Net Analyzer.
- Tim said when he is scrolling in File Explorer, it jumps around. No one had a solution.
- Alice told about learning to scan her insurance card and upload it to MyChart.
- There was a brief discussion of using AI for photographs and using dictation in Microsoft Word.

Adjournment: Jan Bredon moved to adjourn the meeting. Bruce Klipec seconded the motion. The meeting was adjourned at 8:54 PM.

Respectfully submitted,
Liz Milford, Secretary



CAMUG Meeting, May 15, 2023

CAMUG Board Meeting 5/23/2023

President Dennis Smith called the CAMUG Board meeting to order about 7:00 PM on Tuesday, May 23, 2023 via Zoom. All seven members were present; therefore, the meeting was declared valid. Carol Joliat and Eric Gunn were also present.

President	Present	Dennis Smith	president@camug.com
Secretary	Present	Liz Milford	secretary@camug.com
Treasurer	Present	Tim Elder	treasurer@camug.com
Senior Director	Present	Jan Bredon	directors@camug.com
Director	Present	Alice Lungociu	
Director	Present	Bruce Klipec	
Director at Large	Present	Jim Albright	
Web Page	Present	Dennis Smith	webmaster@camug.com
Software and Book Review	Present	Jan Bredon	
Membership	Present	Carol Joliat	membership@camug.com
Newsletter	Present	Liz Milford	newsletter@camug.com
Computer 101	Present	Carol Joliat	
Ways and Means	Present	Jan Bredon	
Others Present	Present	Eric Gunn	

Approval of Minutes:

May Regular Meeting: The May Regular meeting minutes had been emailed to the Board. Tim Elder moved to accept the May 15, 2023, Regular Meeting Minutes as corrected. Alice Lungociu seconded the motion, and the minutes were approved as corrected.

April Board Meeting: The April Board Minutes were printed in the May newsletter. Jim Albright moved to accept the April 18, 2023, Board Minutes as printed in the newsletter. Tim Elder seconded the motion, and the minutes were approved.

Reports:

Treasurer's Report: Tim Elder had emailed the Treasurer's Report to Board members. Alice Lungociu moved to accept the May Treasurer's Report. Jan Bredon seconded the motion, and the report was approved.

Membership Report: Carol Joliat reported that we have 23 family memberships.

June meeting topic:

June 19th meeting will be held in-person and on Zoom.

6:15 PM: Chit-Chat

6:30 PM: "Another Look at Google" by Carol Joliat

7:00 PM: Five-minute break

7:05 PM Meeting: Videos chosen by Dennis Smith about "Advice on Buying a New Computer"

Old Business: None**New Business:**

The group discussed how we can improve our finances as the amount in our treasury continues to go down. Some suggestions were to get more members and/or increase dues. Another idea was to find places where there are vendors and set up an information table. Dennis will ask members at the next meeting for their ideas about improving our finances.

Dennis told the group that he has updated the club web page by adding more newsletters and a file about the Free Cloud Storage program. He has also posted a program video about free cloud storage on our Facebook page.

Motion to Adjourn:

At 8:36 PM Jan Bredon moved to adjourn. Alice Lungociu seconded the motion, and the meeting was adjourned.

Submitted pending Board approval,
Liz Milford, Secretary

About CAMUG

Our club is open to anyone with an interest in computers and technology. A household membership is only \$20 per year, and a visitor can attend two meetings free without any obligation.

Normally, monthly meetings are held the third Monday of the month at Holy Cross Lutheran Church, 7707 Market Ave. in North Canton, Ohio, and also on Zoom. Computer 101 begins at 6:30 PM and the regular meeting begins at 7:05 PM. At every meeting, we cover topics ranging from cell phones to computers and from software to the internet and networking. Board meetings are held the fourth Tuesday of the month at 7:00 PM using Zoom. Members are encouraged to attend the Board meeting although only Board members can vote; members can email Dennis Smith (denniss@camug.com) to get the Zoom link to the Board meeting.

The club mailing address is CAMUG, PO Box 80192, Canton, OH 44708. The web site is at <http://www.camug.com>. CAMUG has a Facebook page called CAMUG Users Group at <https://www.facebook.com/CAMUG-Users-Group-100732168306718>. CAMUG also has a blog at <https://camugoh.blogspot.com>.

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CAMUG is a member of the Association of Personal Computer User Groups. APCUG is a worldwide organization that helps groups devoted to the world of technology by facilitating communications between member groups and industry. It offers the Saturday Safaris and Wednesday Workshops, provides newsletter articles, and has a list of speakers for club programs. Explore the APCUG website at <https://www.apcug2.org>, and the APCUG Facebook page at <https://www.facebook.com/APCUG>.





Membership

By Carol Joliat
May 2023

Renewals: Carol Joliat and Liz Milford
Total Family Memberships: 23



CAMUG Monthly Summary

Tim W. Elder, Treasurer 5/15/23

	Cash	Checking	Total
Start Balances	\$60.00	\$621.66	\$681.66
Total Income	\$31.00	\$0.00	\$31.00
Total Expenses	\$5.00	\$43.62	\$48.62
Transfer	<u>-\$26.00</u>	<u>\$26.00</u>	<u>\$0.00</u>
End Balances	\$60.00	\$604.04	\$664.04

CAMUG Officers

President: Dennis Smith 330-477-5893
 Secretary: Liz Milford 330-620-5178
 Treasurer: Tim Elder 330-875-2323
 Senior. Director: Jan Bredon: 234-564-0045
 Director Alice Lungociu
 Director: Bruce Klipec
 Director at Large: Jim Albright
 Membership: Carol Joliat
 Asst. Membership: Alice Lungociu
 Web Page:
 Newsletter: Liz Milford 330-620-5178
 Tim Elder 330-875-2323
 Computer 101: Carol Joliat
 Ways and Means: Jan Bredon

List of Members

Name	E-Mail
Albright, Jim	jima
Bredon, Jan	janb
Brugger, Bruce	bruceb
Curtis, Mitch	mithc
Dorety, Janet	janetd
Doyle, Michael	michaeld
Elder, Tim	time
Girt, Jesse	jesseg
Gunn, Eric	ericg
Joliat, Carol	carolj
Klipec, Bruce	brucek
Kramer, Cecelia	ceceliak
Krantz, Cheryl	cherylk
Lungociu, Alice	alichel
McCoy, Myra	myram
Middleton, Linda	lindam
Milford, Elizabeth	elizabethm
Parker, Cherie	cheriep
Persons, Pauline	paulinep
Ponzani, Doris	dorisp
Schaefer, Gerald	geralds
Shockling, Dale	dales
Smith, Dennis	denniss

To email members, use the email name above followed by @camug.com

Visit our Home Page:

<http://www.camug.com>

Our Facebook Page:

CAMUG Users Group

Our Blog:

<https://camugoh.blogspot.com>

**Need help
with your electronic gadgets?**



Canton Alliance Massillon Users Group
Computer Users Group

Assistance for users of all ages and skill levels

When: 3rd Monday each month

Where: Holy Cross Lutheran Church

7707 Market Ave. N

North Canton, OH

Currently, we are also meeting via Zoom

Email us for a Zoom invitation!

Time **6:15 PM:** Chit-Chat

6:30 PM: Computer 101

7:00 PM: Five-minute break

7:05 PM Meeting

Ongoing topics include:

Computers Tablets Digital Photography

Smart Phones eBooks Toys & Gadgets

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