

— The DataBus —
Monthly Newsletter of
The Dayton Microcomputer Association
Volume XIII (New Series) № 8 (September 2023)



**GARY COY:
 ANDROID AUTO
 & APPLE CAR PLAY**

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SAVE A TREE (or at least a branch)! If you prefer to print your DATABUS rather than read it directly from a monitor, don't print page 11 unless you wish to become a member or renew your membership.



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DMA1.org

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Mike STOCK

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Glady CAMPION

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ESTABLISHED IN 1976, DMA is a group of Dayton-area professionals and enthusiasts in the field of computing and digital information technology. General Membership Meetings are usually held on the last Tuesday of each month. DMA has a number of Special Interest Groups (SIGs) in areas ranging from digital investing and genealogy to the Linux operating system. Each SIG meets according to its own schedule. DMA is a member of the Association of Personal Computer Users' Groups (APCUG) and the Affiliated Societies' Council (ASC). Click on any of the logos—including our own (top left)—to go to that organization's Web site.



Submissions ...

THE DATABUS welcomes compliments, complaints, suggestions, and especially articles. We can accept articles in ASCII, or as attachments in plain text, Microsoft Word, Open or Libre Office Writer, or, yes, even in WordStar (a word-processing program that goes back to about 1980!). Send articles to:

Editor@DMA1.org

All articles are subject to editing for spelling, grammar, usage, and space. Retain a copy of your work, as THE DATABUS cannot be responsible for loss. When articles are of roughly equal quality and importance, those by paid-up DMA members receive preference.

ALL REGISTERED TRADEMARKS, for example: the DMA Arrow, APCUG, Eero, Netgear or ZOOM, are the property of their respective owners. However, the Registered Trade Mark symbols (® or ™) have been omitted for better readability. The Editor occasionally inserts comments into articles. Such comments are sometimes preceded by the phrase: "EDITOR'S NOTE," are often in square brackets [like these], and are always in sans-serif type, like these paragraphs.

THE DATABUS is written and published by volunteers. We do not give professional advice on hardware, software, or network installation, repair, security, or troubleshooting. If you need expert assistance or repair for your digital device or network, please seek the advice or services of a qualified professional.

September Meeting: 7:00 P.M., Tuesday, the 26^H No Driving—No Charge*

* This is a “hybrid” meeting: via ZOOM, but also in person. Come at 6 P.M. if you wish to join us in person for dinner at T. J. Chump’s Restaurant in suburban Huber Heights, next door to the Meijer’s Supermarket. Click [here](#) for a map. The restaurant has free parking. It is also accessible via RTA bus routes 18 and 19, but there is a short walk from the bus stop in the Meijer’s department store parking lot to the restaurant. *Guests welcome—invite a friend!*

September Meeting ...

ANNUAL BUSINESS MEETING & ELECTION OF TRUSTEES GARY COY: ANDROID AUTO & APPLE CAR PLAY

IT’S ANNUAL BUSINESS MEETING time, including election of two Trustees to the Dayton Micro-computer Association’s Board. Qualifications are simple: you must be at least 21 years of age, and have been a paid-up DMA member or Associate Member for one year or more. The two declared candidates thus far (nominations from the floor as well as self-nominations are allowed) are:

Glady CAMPION is familiar to all DMA members as the lady by the door who checks you in before our monthly meetings and supervises distribution of door prizes at the end. In more serious roles, she’s DMA’s Corporate Secretary (corporate officers need not be Trustees) and has also served as Treasurer, Chairwoman of the Audit, Membership, and Annual Picnic and Holiday Dinner Committees. In real life, she is a software engineer who has worked on projects for both military and civilian applications.

Peter HESS is currently serving as Chairman of our Fund Raising and Marketing Committees. Peter is also a member of the Computer Museum Committee and has served as our APCUG (Association of Personal Computer Users’ Groups) Representative. Peter was DMA President from 2018 to 2020. He worked for many years as a Technical Support Specialist for The Lexis/Nexus Corporation. His passions include the theater (he played a key role in restoring the historic Victory Theater in downtown Dayton), freelance photography, and public relations.

FIRST SOLID-STATE, THEN DIGITAL: two massive changes have affected the automobile industry in the last seventy-five years. The first sign was the transition to transistorized car radios. Far sturdier mechanically than the old-fashioned vacuum tube variety and more able to withstand roadway bumps and jolts, transistors warmed up instantly, too! In 1973, transistors took control of the ignition, eliminating the need for tune-ups. (Spark plugs lasted for 100,000 miles also.) Digitization followed. As pollution controls tightened, dedicated microprocessors assumed control first of carburetors, then of fuel injection systems. Safety improved as sensors detected anything from engine malfunctions to unfastened seat belts and doors or trunk lids left ajar. Now the Golden Age of digitization is in full flower. Maps, multimedia entertainment consoles, telephones, and more are available at the touch of a console mounted on the dashboard or from your smart phone.

Gary Coy is the current DMA President and a Trustee. He has spoken to us on a wide variety of technical topics, both in consumer and professional (for example, health and diagnostic procedures) applications.



Minutes are normally published almost two months late, because the Minutes for, say, the August Board meeting must be approved by the Trustees at the *following month's* meeting in early September. They would then appear in the September issue (this one) of THE DATABUS, published toward the end of the month.

Trustees' meetings are usually on the *first Monday* of each month, except when that day is a legal holiday, for example: Labor Day in September.

During the epidemic, Trustees began meeting via ZOOM. This was so successful that they decided to continue the practice indefinitely. Meetings begin at 7 P.M. and are open to all DMA members. Request ZOOM credentials (that's a fancy way of saying "an invitation") from Secretary GLADY CAMPION at Tuesday's General Membership meeting.

DMA Board of Trustees Meeting of Monday, August 7, 2023

CALL TO ORDER

The meeting was called to order at 7:10 PM by Mike Stock, via ZOOM.

Trustees present: Gary Coy, Pat Flynn, Chester Howes, Ken Phelps, Ed Skuya, Dave Schwab, Mike Stock, and Gary Turner. Absent: Suzette deGuzman. Guests: Mark Camden, Gladly Campion, Edwin Davidson. Stephen Frey, Peter Hess.

OFFICERS' REPORTS

President – Gary Coy

Several attendees said they liked the video on preserving digital photos, shown at the last DMA meeting.

Vice President – Mike Stock

Mike attended the SBC SIG, Network SIG, Investment SIG, and NASAC this past month.

Secretary – Gladly Campion

Gladly presented minutes for the June board meeting. Mike Stock moved the minutes be accepted as corrected. Gary Turner seconded and the motion passed with Gladly abstaining.

Treasurer – Pat Flynn

Pat presented a report for June.

COMMITTEE REPORTS

APCUG REPRESENTATIVE — Peter Hess, Mike Stock

Watching for news from APCUG.

Audit – Gladly Campion

No change. Gladly is dealing with personal issues.

Computer Museum – Peter Hess

The HVAC system at the workshop needs to be checked and possibly repaired.

Recent donations included a Timex Sinclair, Apple IIe.

Dave Schwab moved that \$1000 be allotted for Stephen to cover our portion of any repairs to the HVAC system. Pat Flynn seconded, and the motion passed.

There was more discussion about our presence at the Tandy Assembly in Springfield at the end of September. Mike Stock moved that we spend \$50 to become a sponsor at the Tandy Assembly and \$10 for resustration of a DMA attendee. Chester Howes seconded and the motion passed.

—Notice—

Because of confidentiality concerns (for example, anyone could readily discover the financial institutions in which DMA holds its assets), Treasurer's Reports are not published. However, the latest Treasurer's Report is always available to any DMA member on request.

(Continued on page 5)

(JUNE & JULY TRUSTEES' MINUTES—Continued from page 4)

Mike Stock moved that DMA register for a booth at the Tandy Assembly event. Gary Turner seconded and the motion passed.

Mike Stock and Mark Camden are working on a DMA logo that included “Dayton Microcomputer Association”.

Fund Raising – Peter Hess

Efforts are ongoing.

Marketing – Peter Hess, Edwin Davidson, Pat Flynn

Efforts are ongoing.

Membership – Gladys Campion

In June, we had 34 Regular, 5 Associate, 0 Student, and 5 Lifetime members for a total of 44. There were 22 in attendance at the June General Membership meeting, with 15 attending in person.

Door Prizes: Gary Turner won the 1TB flash drive. Matt Rizer chose the Leather mouse pad. Stephen Frey scored the roll of 3D printer filament. Mark Camden snatched the headset.

Web Site Team – Mark Camden, Pat Flynn, Gladys Campion, Gary Turner

Peter asked for a new alias (forwarding address) for, security @dma1.org

Programs – OPEN!

June – Preserving digital Photos, a video by Mark Schulman, APCUG.

July – What will 5G mean to You? – video by Ron Brown, APCUG.

August - TBD

Suggestions for future meetings:

The Tarnished Side of Cryptocurrency; Fiber Internet; Touchless security from Evolv Technology and how they spot threats such as concealed weapons using digital sensors. Also suggested: Installing Linux on a Google Chromebook, or running Linux on the Windows subsystem for Linux (WSL), or installing Windows on a Linux Virtual Machine

Publications – Martin Arbagi

THE DATABUS was posted for June.

UNFINISHED BUSINESS

Wright State Archives – Martin Arbagi, Gladys Campion

Still in progress

Next Board Meeting

Next Board Meeting will be 7:00 P.M. on Monday, September 9, 2023. We will continue to use ZOOM.

List of DMA accounts – Gladys Campion

Still in progress

NEW BUSINESS – Use of ZOOM

Peter asked for permission to use the DMA ZOOM license for the memorial service for his mother, Virginia Kraus Hess. on November 7.

Dave Swab moved that Peter be allowed to use the ZOOM account for the memorial service. Chester Howes seconded, and the motion passed.

ADJOURNMENT

Pat Flynn moved to adjourn at 8:57 P.M. Ed Skuya seconded and the motion passed.

Respectfully Submitted,

Gladys Campion,

Secretary

Save Money, Buy Your Own Wi-Fi Gear

By Kurt JEFFERSON, Editor, Central Kentucky Computer Society

<https://ckcs.org/>

lxtown2 ** gmail.com

ONE OF THE BEST WAYS to save money is by not paying your Internet provider to lease equipment. Instead, if you have cable Internet, you may use the company's Wi-Fi router and cable modem – typically, one unit resembles a big black block.

You could be paying \$120, \$130, or more each year for your ISPs (Internet Service Providers) gear when you could put that money to better use by buying your own equipment.

Buying your own cable modem and Wi-Fi router could pay for itself in a year or less. However, if you rely on fiber optic service instead of the Internet from your cable TV company, you still need a Wi-Fi router. And, again, you can save money by buying your own.

You will probably have to use the small white box provided by the fiber optic Internet company (that box is called the optical connection node and allows for high-speed Internet connections.)

That box is typically provided through your monthly Internet fee. But you don't need to use the company's Wi-Fi router. Of course, you must install your own equipment – or find a friend or relative who knows about technology – to do it.

If you have cable Internet, you must notify the cable company that you are installing your own cable modem – and they have to switch it on from their end once it's connected. Most cable companies use the term "provision" to add your cable modem to their network.

If you have a cordless landline phone with a signal provided by the Internet, remember your phone won't work during the transition, and you'll need to use a cell phone to call the cable company.)

In addition, you'll need to call your cable company to return its equipment. More and more cable firms are not allowing customers to return company-owned equipment to their stores. Instead, you'll probably be asked to ship the equipment back to the cable company. It is free, but it's an extra step you'll need to take to avoid being charged for failing to return the gear.

If you live in a larger house, you probably have dead spots where you cannot connect to the Internet. This is a widespread occurrence.

A mesh Wi-Fi network can solve that problem, and as prices drop, more folks are utilizing those to spread Internet signals throughout their homes and eliminate so-called dead zones. Finally, experts recommend replacing your Wi-Fi router every five years – at the least. Touch your router, and you'll notice it can get very warm. The high temperatures generated by Wi-Fi routers wear the units out faster than you might think. If the company that made the router is no longer providing firmware updates, it usually means it's time to replace the router with a newer model. Firmware updates are software patches you download from the Internet.

These downloads include security updates that prevent hackers from breaking into your home network and stealing your data. *Consumer Reports* writes, "If no update has been available for months or years, the router is probably no longer being supported. As a rule of thumb, a Netgear representative told us that consumers should consider replacing their router after three years. Representatives from Google and Linksys said a three-to-five-year window was appropriate. Amazon, which owns the popular Eero brand of routers, put the range at three to four years."

However, CR's own survey data indicate that one-fifth of consumers wait more than four years to replace their routers. That's cutting it close.

(Continued on page 7)

(BUY YOUR OWN WI-FI EQUIPMENT—Continued from page 6)

“All of the data that we have shows that consumers hold onto their routers for dear life and for as long as possible,” says Richard Fisco, who oversees electronics testing for *Consumer Reports*.

Bibliography:

Tech Gear Lab: How to Choose a Wi-Fi Router

<https://www.techgearlab.com/topics/small-and-home-office/best-Wi-Fi-router/buying-advice>

Lifewire’s Nine Best Mesh Wi-Fi Network Systems For Full Coverage

<https://www.lifewire.com/best-mesh-wi-fi-network-systems-4139748>

Make Use Of: Seven Reasons Why You Should Replace Your ISP’s Router

<https://www.makeuseof.com/tag/reasons-replace-isp-router/>

Tachus: Why You Should Use Your Own Router Instead of Your ISP’s

<https://www.tachus.com/post/why-you-should-buy-your-own-router-instead-of-using-the-one-provided-by-your-isp>

Tech Gear Lab: Best Wi-Fi Router of 2022

<https://www.techgearlab.com/topics/small-and-home-office/best-Wi-Fi-router>

Tech Gear Lab: Best Wi-Fi Mesh Systems of 2022

<https://www.techgearlab.com/topics/small-and-home-office/best-Wi-Fi-mesh-system>

Consumer Reports: How To Tell When It’s Time To Replace Your Router

<https://www.consumerreports.org/wireless-routers/how-to-tell-when-its-time-to-replace-your-router-a5475786635>

... TDB

DMA Events for SEP 20 – Oct 21, 2023

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Sep 17	Sep 18	Sep 19	Sep 20 Computer Museum Committee 7:00pm Online	Sep 21	Sep 22 Python Self-Study 2:00pm, Online PyFri Discord See http://d8ndl.org	Sep 23 Autumn Begins 
Sep 24	Sep 25	Sep 26 MAIN MEETING 7:00pm Online -AND- TJ Chumps 7050 Executive Blvd Huber Heights	Sep 27	Sep 28	Sep 29 Python Self-Study 2:00pm, Online PyFri Discord See http://d8ndl.org	Sep 30
Oct 1	Oct 2 DMA Trustees 7:00pm Online	Oct 3	Oct 4  Columbus Day	Oct 5 Genealogy SIG 6:30pm Online gen-sig@dma1.org	Oct 6 Python Self-Study 2:00pm, Online PyFri Discord See http://d8ndl.org	Oct 7 Classic Computers 3:00pm By phone
Oct 8	Oct 9 Network SIG 6:00pm Conf Rm Wilmington-Stroop Library	Oct 10 Investment SIG 7:00pm Online investment-sig@dma1.org	Oct 11 Dayton Dynamic Languages 7:00pm Innovation Hub / online http://d8ndl.org	Oct 12 NASAC 6:00pm Hustead Fire Dept. 6215 Springfield-Xenia Springfield	Oct 13 <i>Friday the 13th</i> Python Self-Study 2:00pm, Online PyFri Discord See http://d8ndl.org	Oct 14 SBC SIG 2:00pm DARA Clubhouse 6619 Bellefontaine Huber Heights
Oct 15	Oct 16	Oct 17	Oct 18 Computer Museum Committee 7:00pm Online	Oct 19 Linux SIG 7:00pm 348 Russ Eng Wright State Univ. Colonel Glenn Hwy Beavercreek	Oct 20 Python Self-Study 2:00pm, Online PyFri Discord See http://d8ndl.org	Oct 21 Classic Computers 3:00pm By phone

Click anywhere on this calendar for a fully updated version on line at DMA’s Web site.

Nominations for the DMA Board of Trustees are now open! Terms are three years and Nominees must be ...

- at least 21 years of age, and
- dues-paying or associate DMA members for at least one year.

Self-nomination is permitted.

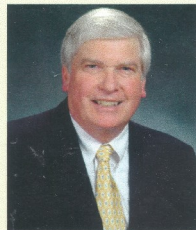
No experience needed!

Contact **GLADY CAMPION** at any DMA General Membership meeting.



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ABOUT THE DAYTON MICROCOMPUTER ASSOCIATION, INC. (DMA)

By Peter HESS, DMA President, 2018-2020

ALMOST FIFTY YEARS AGO, a small group of computer enthusiasts from the Dayton, Ohio area gathered around a kitchen table looking at, and playing with, an early personal computer called the Altair 680 that one of them had purchased. This computer had been featured earlier on the

cover of the January 1975 issue of *Popular Electronics* magazine. Paul Allen had shown the selfsame article about the Altair to Bill Gates, and later, they wrote software together for that computer. Still later — and still together — Allen and Gates founded the Microsoft Corporation.

Shortly thereafter, those Dayton-area computer enthusiasts joined with many others to form THE DAYTON MICROCOMPUTER ASSOCIATION (DMA), now one of the oldest (if not *the* oldest) continuously operating computer user groups in the world. Typically, computer user groups, and the newer iteration, technology user groups, are volunteer-run operations. The DMA is an all-volunteer led, organized, and run 501(c)(3) non-profit organization.

Now, there are hundreds of computer (or technology) user groups in the world, all of which continue to foster improved communication between technological equipment and software publishers and users of their products. User groups (both computer and technology) provide an environment where more experienced technology users introduce additional and advanced techniques to novices.

DMA offers both monthly General Membership Meetings, which cover new and innovative topics including a wide range of generic technological topics, and its Special Interest Groups (SIGs) which address concerns about specific technology interests. There are eight different SIGs sponsored by the DMA, covering such topics as the Linux operating system, various programming languages such as Python, the use of technology to investigate genæology, and digital aids to investing. Neither SIG members nor attendees at DMA General Meetings need be members of the parent organization, though they are encouraged to join so DMA can continue providing its services to the public.

Annual dues for DMA membership, which have not been raised for *decades*, are \$25 for Regular Members, and \$12.50 for Family or Associate Members (an Associate Member is one living at the same address as a Regular Member). Nonvoting Student Memberships are *free* to students through age 22. Door prizes at General Meetings, picnics, banquets, and other DMA events, and a variety of both product and service discounts are available to all DMA members.

... TDB



Spring Cleaning?

DO YOU have an “old friend,” a loved example of technological equipment needing a new home?

Would you like to tell us about how you benefited through the use of that product?

The DMA COMPUTER MUSEUM has already received many donations from some early DMA members, and we are looking for more. As well as needing your old friend, we want to know about how you used the equipment. We are not afraid of having several copies of the same brand and model number of legacy equipment. Our goal is to have quality



exhibit space filled with apparatus that works and can be part of many interactive displays.

We are also looking for software and computer product branded merchandise.

While the DMA Computer Museum is not yet ready to have an open house to display our many exhibits, we do have a dry, climate-controlled, secure workshop where we are storing recent donations. The present DMA Computer Museum outreach, which the DMA has offered for over forty years, will continue while we look for a building to house our museum exhibits, workshop, storage, and classroom space.

If you have something which you feel can help the DMA Computer Museum to serve the computing community better, please complete the form at <https://www.dma1.org/museum/> and tell us what you would like to donate to the DMA Computer Museum.

- ✓ Please tell friends or family members of the intended plans to help the DMA to serve the computing community better.
- ✓ Please add the DMA to your will or to other planned giving arrangement.

If the you wish, we would be happy to give you credit for your donation — at the very least on signage which accompanies the equipment exhibit. We want to know your computing story.

The DMA Computer Museum is specifically looking for this equipment, as well as much more:

- ◆ LexisNexis UBIQ
- ◆ IBM AT

One of our museum curators will contact you about your donation.

If you aren't already...become a part of computing history!

—Peter Hess,

on behalf of the DMA Computer Museum Committee

Dayton Microcomputer Association Membership Form

Today's date ____/____/____

- NEW** Please credit the DMA member who recruited me: _____
- RENEW** Contact information below is new Y N

TYPE OF MEMBERSHIP

REGULAR

Name _____ Home / Work (____) ____ - _____

Email _____ Mobile Phone (____) ____ - _____

ASSOCIATE Family Associate membership is for a family member living at the same address as a Regular member. Name of Regular member: _____

Name _____ Home / Work (____) ____ - _____

Email _____ Mobile Phone (____) ____ - _____

STUDENT Free Student membership is available to those under 22 years of age, enrolled full-time in a program of higher education. Name of School: _____

Name _____ Home / Work (____) ____ - _____

Email _____ Mobile Phone (____) ____ - _____

Home Address _____

City _____ State ____ Zip _____

INTERCHANGE

Skills & interests you might share with DMA _____

What you hope DMA will provide _____

SHELL ACCOUNT A shell account on the DMA web server provides file storage, hosting of a personal non-commercial website, @dma1.org email alias (forwarding address), all for a one-time fee of \$10. A username must be 8 alpha characters. The usual default is last name and first initial, no caps or punctuation. DMA reserves the right of final decision on all usernames: 1st choice _____ 2nd choice _____

DUES AND FEES

Regular membership	\$25.00 x	<input type="checkbox"/> 1yr	<input type="checkbox"/> 2yr	<input type="checkbox"/> 3yr	\$ _____
Family Associate membership	\$12.50 x	<input type="checkbox"/> 1yr	<input type="checkbox"/> 2yr	<input type="checkbox"/> 3yr	\$ _____
Student membership	FREE				\$ <u>0.00</u>
One-time setup fee for Shell account	\$10.00				\$ _____
Total					\$ _____

**Note: \$10.00 fee will be charged for any returned checks*

Make your check payable to: **Dayton Microcomputer Association, Inc**
 Mail check and application to: **PO Box 4005**
Dayton OH 45401-4005

Or use Paypal to send your payment to: **membership@dma1.org**

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