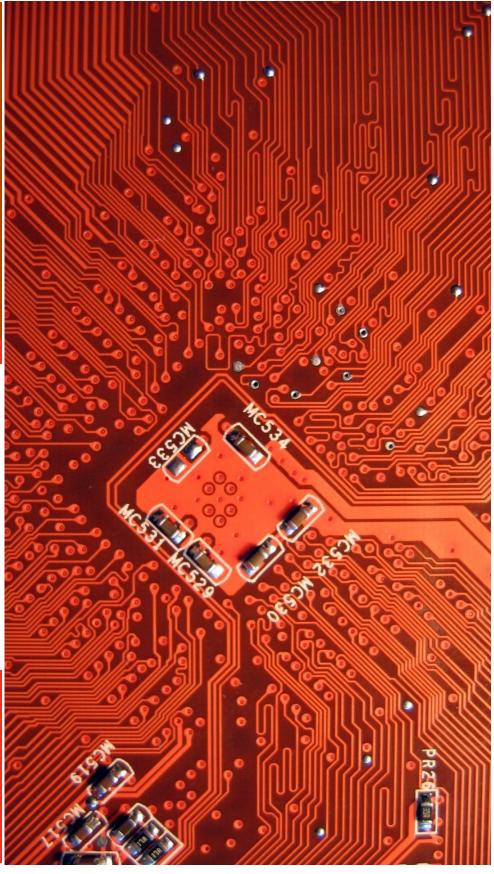
# The Pola land Day of The Day on Microcomputer Association

# ·Contents—

Volume IX
(flew Series)
flumber 9
September 2019





Post Office Box 4005 Dayton, Ohio 45401 (937) 777-DMA1 (777-3621)

Visit us at:

# **DMA1.org**

# Your 2018/19 Officers:

President
Peter HESS
Vice-President
—OPEN—
Secretary
Pat FLYNN
Treasurer
Glady CAMPION
Officers need not be
Trustees.

## Trustees:

Martin Arbagi Gary Coy Glady Campion Pat Flynn Peter HESS Brent KERLIN Debra MCFALL Gary TURNER

## Webmasters:

Mark CAMDEN & Brent KERLIN

Webmaster Emeritus:
Dave LUNDY

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.





# & Computer User Groups Submissions ...

THE DATABUS welcomes compliments, complaints, suggestions, and especially articles. We can accept articles in ASCII, or as attachments in Microsoft Word, Open Office Writer, Word Perfect, or, yes, even Word-Star (a word-processing program that goes all the way back to about 1980!). No PDF files, please. Send articles to:

#### Editor@DMA1.org

All articles are subject to editing for spelling, grammar, usage, and space. Always 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, Python, Linux, YouTube, or Windows, 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 often in square brackets [like these] and are always preceded by the phrase: "EDITOR'S NOTE."

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 for your digital device, please seek the services of a competent professional.

Please Note New Time, Just for the September Meeting: 6:00 P.M., Tuesday, the 27th, at T. J. Chump's, 7050 Executive Boulevard, Huber Heights 45424 (next door to Meijer's — click here for a map). Come at 5:00 P.M. (just for this meeting) if you want to join us for dinner. There's plenty of free parking. (Chump's restaurant is also accessible via RTA bus routes #18 & 19, but you must take a short walk from the Meijer's supermarket parking lot.)

New Time—Free parking—No charge—bring a friend!

# September Meeting ... Geeks On Tour!

CHRIS AND JIM GOULD will be in Dayton for one night only — to speak to DMA. This unique couple crosses the country giving seminars, blogging their travels, and gathering a loyal following. They are nationally known popular seminar presenters, teaching technology for travelers, or for anyone who takes digital photos, uses Google maps, or just wants to learn more about his or her iPhone or Android device. They produce a regular free YouTube show called "What Does This Button Do?" a/k/a The Button Show. Their specialty is Google Photos. Chris is recognized by Google as a Platinum level Product Expert. She wrote the book on Google Photos. Chris and Jim also present seminars on many other topics related to photos, maps, technology, and smart phones in general. See all of the titles on their web page at:



GeeksOnTour.com/seminars

https://www.meetup.com/Dayton-Microcomputer-Association-Meetup/events/

... TDB



are now open ... consider volunteering!

(You're permitted to nominate yourself.)

OTE: Because the Editor was out-of-town, there was no July issue of THE DATABUS. Thus, both July and August Board Minutes are published in this issue.

Trustees' meetings are nornally on the first Monday of each month, begin at 7:00 P.M. and are open to all DMA members. Because the first Monday of September was Labor Day, the Trustees met on the *second* Monday (the 7<sup>th</sup>). Next meeting will be on 7 October, and if Trustees follow recent practice, this will again be a "bring your own sandwich or fast food" meeting. Those wishing to dine with the Trustees should come with their own food at 6:30.

#### **MINUTES**

# DMA Board of Trustees — Meeting of Monday, 1 July 2019 CALL TO ORDER

The meeting was called to order at 7:08 P.M. by Peter Hess.

Trustees present: Martin Arbagi, Glady Campion, Gary Coy, Pat Flynn, Peter Hess, Gary Turner.

Excused: Debra McFall. Absent: Brent Kerlin. Guests: Mark Camden, Lillian Rudolph.

#### **OFFICERS' REPORTS**

#### President — Peter Hess

There was a good response to last month's topic on Windows Sysinternals. Gary Turner gave a good presentation. We saw some old members attend as well as a few new people.

Peter suggested we start adding DMA or DMA1 to the start of all e-mail subject lines when we are sending or forwarding messages. This would make the messages more visible in our e-mail accounts.

#### Vice President — OPEN!!

Genealogy SIG leader Jay Finley will not be able to hold SIG meetings for several months due to his wife's health problems. Pat Flynn and Glady Campion will step in and cover the meetings for now.

Dayton Diode SIG leader JJ Krull has given a 30-day notice to K12 Gallery and Tejas. The primary issue was lack of access to the workshop. Dayton Diode members will move all the tools into storage before August 1 and begin work to reboot the group and rebuild the membership.

## Secretary — Glady Campion

Pat Flynn presented the Minutes for the previous board meeting, taken in the absence of Glady Campion. Gary Coy moved the Minutes be accepted as corrected. Gary Turner seconded and the motion passed with Pat and Glady abstaining.

#### Treasurer — Pat Flynn

Pat presented the Treasurer's report (*right*):



(Continued on page 5)

#### **ACCOUNT BALANCES:**

Fifth Third Checking	\$7,201.90
Fifth Third Savings	11,248.40
Pay Pal	35.16
TIAA CD	5,264.16
Wright-Patterson Cred	dit Union
Savings ("Share")	5.00
WPCU Checking	1000.21
WPCU Money Market	4,026.32
Dayton Foundation	+ <u>88,4</u> 55.69

Total ......\$117,236.84

(JULY MINUTES—Continued from page 4)

#### **COMMITTEE REPORTS**

#### Audit — Glady Campion

In progress.

#### Fundraising — Peter Hess

Peter is looking into how YouTube might be used for fund raising. He plans to take a class on fund raising.

#### Marketing — Gary Coy, Pat Flynn, Peter Hess, Debra McFall

We need to find the owner of the DMA Facebook page in order to gain access. Gary Coy volunteered to help maintain the page.

#### Membership — Glady Campion

As of last month's General Membership meeting, we had 55 Regular, 4 Associate, 0 Student, and 5 Life members for a total of 64. Attendance was 29 and the 50/50 raffle brought in \$18.

#### Net Administration Team — Ken Phelps, Gary Turner, Pat Flynn, Brent Kerlin

No problems to report. We plan to reserve a WiFi hotspot from the public library for meetings and our picnic.

A mobile phone has been purchased for DMA: (937) 777-DMA1 (777-3621). Pat Flynn is attempting to port the number. The process is not yet complete.

#### Programs — OPEN!! We must find a Programs chairman!!

Thank you to Ken Phelps and Gary Turner for the presentation on "Windows Sysinternals." It was a good subject for the club.

July – Dave Schwab has agreed to introduce the Raspberry Pi 4 and show it as a finished project. We could offer a Raspberry Pi 4 as a door prize.

Jason Sanders is willing to present his robotics to the club, although a date has not been set.

Other suggested topics: Streaming video, Car hacking, Chromebooks, Bitcoin and Block chain, InitiativeQ.com, Internet Architecture; Smart Home technologies.

#### Publications — Martin Arbagi

THE DATABUS was sent to Brent to be posted on the Web site.

#### **UNFINISHED BUSINESS**

#### Wright State Archives — Martin Arbagi, Glady Campion

In progress

## **Next Board Meeting**

The next Board Meeting will be 7:00 P.M. on Monday, August 5, 2019 at Fairborn Fire Station #2, 2200 Commerce Center, Fairborn. Those who want to join us for dinner should meet between 6:00 and 6:30 P.M. at the Fire Station. Bring your own food.

Fairborn Fire Station #2 has been reserved through December 2019.

#### Summer Picnic — Martin Arbagi

Martin reserved Shelter #3 at Indian Riffle Park for Saturday, August 17.

(JULY MINUTES—Continued from page 5)

#### **Community Service**

Gary Coy moved we donate \$1000 to The Dayton Food Bank via The Dayton Foundation. Pat Flynn seconded and the motion passed. Glady will contact The Dayton Foundation for details.

#### Holiday Dinner — Glady Campion

Final report is in progress.

#### Linux Installfest — Gary Turner

There is a Linux Installfest in the planning stages.

#### **NEW BUSINESS**

#### Make It Dayton Festival — Glady Campion

The festival will be the third annual event, similar to the past two Mini Maker Faires, but without the fancy name, and is set for Saturday, October 5<sup>th</sup> at Carillon Park, exhibitor booths are free. We need to register on line.

#### **ADJOURNMENT**

Gary Coy moved to adjourn at 9:17 P.M. Martin Arbagi seconded and the motion passed.

# Respectfully Submitted, Glady Campion, Secretary

# DMA Board of Trustees — Meeting of Monday, August 5, 2019

#### **CALL TO ORDER**

The meeting was called to order at 7:12 P.M. by Peter Hess.

Trustees present: Martin Arbagi, Glady Campion, Gary Coy, Pat Flynn, Peter Hess, Gary Turner.

Excused: Debra McFall. Absent: Brent Kerlin. Guests: Mark Camden, Lillian Rudolph.

#### **OFFICERS' REPORTS**

#### President – Peter Hess

Last month's presentation by Dave Schwab on Raspberry Pi was very well done.

Peter suggested purchasing a retractable banner stand (tall banner) to display at meeting sites and at events.

Glady Campion moved that Peter be allowed up to \$250 for a retractable banner. Gary Coy seconded and the motion passed.

#### Vice President - OPEN!!!

Dayton Diode is moving the last of its equipment out of K12 and Tejas. The move should be complete in a few days. DMA will likely drop the insurance rider for the makerspace while their tools are in storage.

(Continued on Page 7)

(AUGUST MINUTES—Continued from page 6)

#### Secretary – Glady Campion

Glady presented the minutes for the previous board meeting. Martin Arbagi moved the minutes be accepted. Gary Turner seconded and the motion passed with Glady abstaining.

#### Treasurer – Pat Flynn

Pat presented the Treasurer's report (*right*):

#### **COMMITTEE REPORTS**

Audit - Glady Campion

In progress

#### Fund Raising - Peter Hess

Peter talked with Panera Bread about donating to DMA a percentage of purchases made by our members. We already have a similar agreement with Dorothy Lane Markets.

Marketing -Gary Coy, Pat Flynn, Peter Hess, Debra McFall

Fall see in order to gain access. Gary Coy vol-

**ACCOUNT BALANCES:** 

Fifth Third Checking .... \$7,143.96

Fifth Third Savings...... 11,248.59

Pay Pal ......59.31

TIAA CD ...... 5,276.41

WPCU Checking ...... 1000.24

WPCU Money Market ... 4,031.11

Dayton Foundation ... +88,455.69

We need to find the owner of the DMA Facebook page in order to gain access. Gary Coy volunteered to help maintain the page.

#### Membership - Glady Campion

As of last month's General Membership meeting, we had 53 Regular, 4 Associate, 0 Student, and 5 Life members for a total of 62. Attendance was 33 and the 50/50 raffle brought in \$27.

Net Admin Team - Ken Phelps, Gary Turner, Pat Flynn, Brent Kerlin

No problems to report. The mobile phone number for DMA is 937-777-DMA1 (777-3621). Pat Flynn is attempting to port the number from Number Barn to Good to Go Mobile. The process is not yet complete.

Programs - OPEN!! We need to find a Program chairman!!!

Thank you to Dave Schwab for the great presentation on Raspberry Pi 4!

- ✓ August Jason Sanders will show his robotic creation, talk about how it was developed and how it is used with his band at the Detroit Maker Faires.
- ✓ September Geeks on Tour will visit. Peter is reaching out to local senior centers to let them know this presentation is available.

Other suggested topics: Streaming video, Car hacking, Chromebooks, Bitcoin and Block chain, InitiativeQ.com, Internet Architecture; Smart Home technologies.

#### Publications - Martin Arbagi

THE DATABUS was not published in July. Martin was out of town.

#### **UNFINISHED BUSINESS**

Wright State Archives - Martin Arbagi, Glady Campion

Still in progress

#### **Next Board Meeting**

The next Board Meeting will be 7:00 P.M. on Monday, September 9, 2019 at the Fairborn Fire Station #2, 2200 Commerce Center, Fairborn. Those who want to join us for dinner should meet

(Continued on page 8)

(AUGUST MINUTES—Continued from page 7)

between 6:00 pm and 6:30 P.M. at the Firestation. Bring your own fast food.

Fairborn Fire Station #2 has been reserved through December 2019.

#### Summer Picnic - Martin Arbagi

The picnic is Saturday, August 17 in shelter #3 at Indian Riffle Park. Nearly forty tickets have been sold.

#### **Community Service**

Gary Coy moved we donate \$1000 to The Dayton Foundation for the Oregon District Tragedy Fund. Pat Flynn seconded, and the motion passed.

#### Holiday Dinner - Glady Campion

Final report is in progress.

#### Linux Installfest - Gary Turner

A Linux Installfest is in the planning stages.

#### Make It Dayton Festival - Glady Campion

Set for Saturday, October 5<sup>th</sup> at Carillon Park, exhibitor booths are free. DMA is registered with a request for an indoor booth. Linux and the Computer Museum may also choose to register.

#### **ADJOURNMENT**

Gary Coy moved to adjourn at 9:15 P.M. Pat Flynn seconded and the motion passed.





10% Discount to DMA members!

## Have a business card? Are you a DMA member?

NY PAID—UP MEMBER of the Dayton Microcomputer Association is entitled to a *free* business card—sized advertisement in The Databus. Send a good—quality image to <a href="Editor@DMA1.org">Editor@DMA1.org</a>, or give your business card to <a href="Martin Arbagi">Martin Arbagi</a>, the Editor, at any DMA meeting. We can embed a link to your Web site (if you have one) in the image of your card. Under weird IRS regulations, your Web site may not include discount coupons for DMA members, although discount offers may be included in the advertisement <a href="itself">itself</a>. See the example just above, which includes a member discount. But the advertiser (Steve Davis) could <a href="not include of the includes a member discount">not include included in the advertiser</a>

## —In Alemoriam—

Steve Shoemann (2/16/1944 — 7/27/2019)

It is with Great regret that I must inform you that longtime member and former DMA Trustee Steve Shoemann passed away on July 27, 2019.

I didn't know him while he was on the Board of Trustees. I did know him as an attendee at most of our general meetings. He made himself known with his barbs, asides, one-line jokes and also technical contributions during the DMA's popular "Brain Trust Helps to Solve Problems sessions" prior to our general meeting presentations. By lauding his unscripted contributions, I am not encouraging any Steve copy-cat wannabees. Steve was in a class of his own.

As you know, the DMA is looking to fill all available seats on its Board of Trustees during the next general meeting and subsequent DMA Board meeting(s). I had planned on asking Steve if he would like to re-apply his considerable talent, knowledge and humor to DMA Board meetings (again). I know he would have been a valuable contributor. Right now, I can't think of any way I can give a better compliment to a person by asking him (or her) to help lead an organization I care so much about.

You led a good life, Steve. You made our world better by being in it with us. I know that you will cause God to laugh, too. I'm sure he (or she) needs it.

RIP, you wonderful person.

Thank you,

—Peter

EDITOR'S NOTE: While not a Charter (original) member, Steve became active in DMA early on in our history. It was Steve who was responsible for bringing me in as a member about 1990. In addition to serving as Trustee, Steve made several presentations on e-books, an interest of his, at our General Membership Meetings. His discussion included various e-book formats and sources for e-books.







# —Crowns and Computers—

By Maryellen AMATO, M.D., Member, ICON Users Group, MO July 2019 issue, *The ICON Newsletter* Meamato76 (at) gmail.com www.iconusersgroup.org

LIKE MOST PROFESSIONS, dentistry has been deeply impacted by computer technology. Many dentists, for example, are now using digital X-rays. Several months ago, in an article entitled "Musings on Medicine," I discussed the advantages of using digital radiography, including quicker imaging times and decreased radiation.

Another major facet of dentistry that has been affected by computers has to do with the way dental crowns are made. A crown is a small prosthetic cap that fits over an entire tooth to restore its strength and appearance. A crown may be necessary for a variety of cosmetic or functional reasons. A tooth might require a crown if it is broken, racked, heavily decayed, worn, damaged in some way, or compromised by a root canal.

I had a number of crowns made back in the "old days" before the advent of computers. A tray of gooey putty was placed over my teeth for a few minutes and then the impression was sent off to a distant laboratory where the permanent crown was made. In the meantime, for the next two weeks I had to endure a fragile temporary crown.

All that has changed with CEREC-3d CAD/CAM. CEREC stands for "Chairside Economical Restoration of Esthetic Ceramic Crowns." CAD/CAM stands for 'computer assisted design/computer assisted manufacturing."

CAD/CAM has been used in industry for many years, but dental CAD/CAM applications were not available until the 1980s, and CEREC technology has only become popular in the last decade

My dentist, Mr. Jeff, DD, was one of the first dentists in Springfield [, Missouri] to embrace this technology approximately ten years ago. He has made several crowns for me with this technique, and it was so much easier than the old method — and much faster, too. Instead of taking two visits and two weeks to get the permanent crown, it only required a total of about two hours in one visit to have the new crown made and placed in my mouth.

Here is what is involved: The first thing my dentist does is take a picture using a dental program that allows him to make a 3D map of my teeth, including top and side views. This allows him to design the crown chairside right then and there on his computer monitor, bypassing the need for filling my mouth with goop and sending the impression off to a lab. This computer data is then transferred wirelessly to a milling instrument that carves the crown out of a block of strong nonmetallic ceramic material. A block of a harder material is chosen for back teeth because they are subjected to stronger grinding forces. The milling machine (about two feet long by one foot wide) takes up to thirty minutes to



Ceramic tooth material

(Continued on page 11)

(CROWNS & COMPUTERS—Continued from page 10)

make the crown, which is then bonded into place in the patient's mouth.

This method is so precise that there is virtually no risk of damage to adjacent teeth. My crowns also have a very natural feel because they are customized to my bite. They blend in well with the rest of my teeth and look and feel natural.

Dr. Jeff estimates he has made approximately 3,000 crowns using CEREC CAD/CAM. Currently only about 20% of dentists in the Springfield area have this technology thus far, so if you need a crown, be



The milling machine used to make crowns using CAD/CAM technology.

using it, since like everything else with computers, there is a learning curve. In summary, I am very lucky that my dentist is on the cutting edge of dentistry and that he

sure to check if it is available at your dentist's office and ask how many crowns have been made

could offer me this computer-based technology. I can attest from my personal experience that it is definitely easier, faster, and more accurate than the old method of creating crowns.



EADERS MAY NOT HAVE NOTICED, but the Editor appreciated Dr. Amato's sense of humor, even though it consists mostly of "groaners," like deeply impacted on the previous page, and cutting edge of dentistry on this page!

# About The Dayton Microcomputer Association, Inc. (DMA)

ORE THAN FORTY-THREE YEARS AGO, a small group of computer enthusiasts from the Dayton, Ohio area gathered around a kitchen table looking at, and playing with, a first-generation personal computer called the Altair 8800, which 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 together with many other

like-minded, inquisitive individuals to form the Dayton Microcomputer Association (DMA), now one of 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 501c(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 manufacturers and publishers — with users of those products. User groups (both computer and technology) provide an environment where more astute technology users introduce additional and advanced techniques to those who are less informed about technology.

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 genealogy, 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/Associate Members (someone living at living at the same address as a Regular Member). Nonvoting Student Memberships are *free* to students through age 22. General Meeting door prizes, and both product and service discounts are available to all DMA members.

# **DAYTON MICROCOMPUTER ASSOCIATION Membership Form**

					Toda	y's date	//_			
	NEW	Please credit the DMA	A member who re	cruited m	e:					
	<b>J RENEW</b> Contact information below is new □ Y □ N									
TYPE OF MEMBERSHIP										
	REGULAR				Telephone:					
Na	me				Home / Work (	)				
E-n	nail		_@	•	Mobile Phone (	)				
		amily or Associate men of Regular Member	•			ng at the same a	address as a Regular			
Na	me				Home / Work(	)				
gra Na	m of higher of the me	ee Student non-voting reducation. Name of Sch	ool:		Home / Work (	)				
E-n	nail		_@	•	Mobile Phone (					
City	y	s you might share with	IN'	TERCHANG	State _					
				ES AND FI						
	<i>gular</i> membe		\$25.00 x 🗖 1yr	-	-	\$				
Stu On	udent membe ne-time setup	e membership ership fee for Shell account	•	·	·	\$\$ \$\$ \$	NOTE: a \$10.00 fee will be charged for any returned checks			
wel ters sion Ma	osite, @dma1 s. The usual d n on all usern ke your checl		arding address), a e and first initial,	all for a on with no ca	e-time fee of \$10. A ps or punctuation. I  Dayton Microcom	A username must DMA reserves th —— puter Association	et be 8 alpha charac- ne right of final deci- on			
Mail check and application to: Or use Paypal to send your payment to:				PO Box 4005, Dayton OH 45401-4005 membership@dma1.org						
						_				
:	1A use only				was Deep le					
		Exp/ [ ] Ca Exp/ [ ] Ca					Pavisad May 6, 2010			
Me	mber#	Exp/ [ ] Ca	ash [] Check#	[ ] Pa	aypal Proc by		neviseu iviay 6, 2019			