

The Databus

Newsletter of the Dayton Microcomputer Association, Inc.

-Contents-

- About DMA..... 2
- January Trustees' Minutes..... 4
- Musings 10
- DMA Calendar 10
- On-Line DMA Registration 10
- Browser Pop-Up Scams..... 10
- New! Simplified Membership Form. 12

Volume VII, Number 2 (New Series), February 2017



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Visit us at:

DMA1.org

Your 2016/17 Officers:

President

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Vice-President

Peter HESS

Secretary

Glady CAMPION

Treasurer

Pat FLYNN

Officers need not be Trustees.

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Glady CAMPION

Gary COY

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Peter HESS

Ken PHELPS

Ed SKUYA

Gary TURNER

Jim ULLOM

Webmaster:

Brent KERLIN

Webmaster Emeritus:

Dave LUNDY

ESTABLISHED IN 1976, DMA is a group of Dayton-area professionals and hobbyists in the field of computing and digital information technology. General membership meetings are usually 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 Microsoft Word or Works, Open Office Writer, Word Perfect, or, yes, even WordStar (a word-processing program that goes all the way back to the early 1980s!). 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 space is limited, those by paid-up DMA members usually receive preference.

ALL REGISTERED TRADEMARKS, for example: DMA, Apple, Google Chrome, Seagate, 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 usually 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 computer, network, or software installation, troubleshooting, security, or repair. If you need expert assistance, please seek the services of a competent professional.

FEBRUARY MEETING: 7:00 P.M., Tuesday, the 28th at T. J. Chump's, 7050 Executive Boulevard, Huber Heights 45424 (next door to Meijer's —[click here for a map](#)). Come at 6:00 P.M. if you want dinner. Plenty of free parking. (Also accessible via RTA Bus routes #18 & 19, just a short walk over from the Meijer's store.)

No charge—bring a friend!

JIM ULLOM:

Alternate Start Menus for Windows 10

NOT COMPLETELY HAPPY WITH THE START MENU IN WINDOWS 10? It's well-designed and offers a host of useful features—but unfortunately, it's not as useful as the Windows 7 Start Menu. Join us at this meeting to explore a few solutions to the problem.

With the Windows 7 Start Menu, you can create, delete, and rename folders and shortcuts. You can move shortcuts from one folder to another. In short, you can customize the Start Menu so that accessing your favorite programs is quick and easy.

Windows 10, however, is more limited. Yes, you have the tiled menu in which you can organize individual tiles into groups. But the tile menu can take up a lot of room, so trekking to your favorite applications can be slow. And the Apps List simply displays all your installed programs alphabetically. There's no way to customize or organize the Apps List the way you can with the Windows 7 Start Menu. Consequently, getting to a program called “Xzzyzy.com” can be tedious.

Third-party start menu alternatives gained favor with Windows 8, which lacked any kind of Start Menu. But you may still find them useful as replacements for the Windows 10 Start Menu as they can be organized with better access to your favorite folders and software. Let's look at three such Windows 10 Start Menu alternatives.



A longtime member of DMA, JIM ULLOM sits on the Board of Trustees, and is Chairman of the Program Committee

Minutes are normally published almost two months late, because the Minutes for, say, the January Board meeting must be approved by the Trustees at the following month's meeting—in this case, early February. The corrected and approved January Minutes would thus usually appear in the February DATABUS, published toward the end of the month.

The next Trustees' meeting will be on **6 March 2017**, in the Community Meeting Room at the Greene Shopping Center. (This is in the corridor [breezeway] across the street from the free parking garage on Birch Alley.) Trustees' meetings begin at 7:00 P.M. and are open to all DMA members. We usually meet for dinner beforehand, and those wishing to dine with the Trustees should come at 6:00 to El Toro Restaurant, across the street from the Greene Mall. (Click [here](#) for a map.)

MINUTES

DMA Board of Trustees – Meeting of Monday, January 9, 2017

CALL TO ORDER

The meeting was called to order at 7:05 P.M. by Gary Coy.

Trustees Present: Martin Arbagi, Gladys Campion, Gary Coy, Pat Flynn, Peter Hess, Ken Phelps, Ed Skuya, Gary Turner. **Excused:** Jim Ullom. **Others:** Michelle Lovely, Brent Kerlin, Pat Craig.

GUEST PRESENTATION – Michelle Lovely of the Dayton Foundation

Michelle reviewed several of the programs the Foundation offers. Individual members who open charitable giving accounts can easily keep track of the donations issued from these accounts. These accounts are open to any individual, including our club members. They allow for better tax planning.

Planned giving was the main focus of her visit. One of the ways our membership could support DMA is by donating stock. Neither the donor nor DMA would need to pay capital gains on the transaction. This visit was a first step in establishing a planned giving program for DMA.

OFFICERS' REPORTS

President – Gary Coy

Gary thought the Holiday Dinner went well even though attendance was lower than last year. The caricaturist was well received, much better than he expected. Trustees agreed.

Vice President – Peter Hess

No report for this portion of the meeting.

Secretary – Gladys Campion

Gladys Campion presented the Minutes for the previous board meeting.

Martin Arbagi moved the minutes be accepted. Pat Flynn seconded and the motion passed.

Treasurer – Pat Flynn

Pat presented financial reports for the past month. He will check with Dayton Foundation about guidelines for community donations.

Account Balances:

Fifth/Third Checking	\$12,017.82
Fifth/Third Savings	11,222.86
Pay Pal	945.21
Everbank CD	5,040.08
Dayton Foundation	<u>+79,745.52</u>
Total	\$108,971.49

(Continued on page 7)

—Musings of an Apple Tyro—

By Lorrin R. GARSON, Potomac Area Technology and Computer Society

November 2016 issue, *PATACS Posts*

www.patacs.org

newslettercolumnist (at) patacs.org

More Information About Time Machine

TIME MACHINE is used for backup by many (most?) people using Apple computers. However, that application provides rather sparse information about what's going on. Want more information? Open the Console, which is in either the Applications or Utilities folder, depending on the version of OS X. The right three columns will display processes that have been run. The Time Machine process is called "backupd". Key "backupd" (no quotes) in the search box of Console, then start up Time Machine, noting the time in the Menu bar so you can view the processes for that specific instance of backupd. In Figure 1 are shown the processes associated with Time Machine for a specific manual backup starting at 1:57:27 P.M. It takes some experience to comprehend the displayed information. However, with experience you will gain the ability to know when something is amiss even if you don't understand all information provided—and that is valuable.

```

1:57:27 PM com.apple.backupd: Starting manual backup
▶ 1:57:27 PM com.apple.backupd: Backing up to /dev/disk2s1: /Volumes/LRG's iMac Back
1:57:28 PM com.apple.backupd: Will copy (Zero KB) from LRG's External Drive
1:57:28 PM com.apple.backupd: Will copy (11.8 MB) from Macintosh HD
1:57:28 PM com.apple.backupd: Found 224 files (11.8 MB) needing backup
1:57:28 PM com.apple.backupd: 2.7 GB required (including padding), 889.26 GB avail
▶ 1:57:28 PM com.apple.backupd: Copied 1 items (Zero KB) from volume LRG's External
▶ 1:58:05 PM com.apple.backupd: Copied 324 items (11.8 MB) from volume Macintosh HD.
1:58:08 PM com.apple.backupd: Created new backup: 2016-08-26-135807
1:58:09 PM com.apple.backupd: Starting post-backup thinning
1:58:09 PM com.apple.backupd: No post-backup thinning needed: no expired backups e
1:58:09 PM com.apple.backupd: Backup completed successfully.

```

Figure 1

Seagate 10 TB Hard Drive

IF YOU NEED a large and fast hard disk drive, Seagate's Barracuda Pro 10 TB might fit the bill. *PCWorld* reports that this 3.5-inch, 7,200 rpm drive is miserly on power consumption and reads and writes data at 243 MBps and 229 MBps, respectively. The drive is priced at \$579.98. See <http://bit.ly/2ctR6Il> for more information.

Internet of Things and Security

AS THE INTERNET OF THINGS (IoT) expands there is increasing awareness and discussion about the security of such devices. In fact, there is a general sense that IoT devices are inherently insecure. Our son had me load an app on my iPhone that would open and close the garage door to his home so we could enter his house while he was away. Of course he gave me the password to make this app work. Is the password encrypted as it's sent over a cell phone radio signal or via the Internet? I don't know. It's been tempting to open and close his garage door several times at 2:00 A.M. from our home in Vien-

(Continued on page 6)

(MUSINGS—Continued from page 5)

na [EDITOR'S NOTE: Vienna, Florida, not Vienna, Austria!], but I've resisted that evil impulse.

According to an article in *The Economist* (June 11, 2016, pp. 65-66), IoT is rather slow to catch on in the U.S. Surprisingly, it seems that only 6% of houses here have installed an IoT device and by 2021 that number will have increased to only 17%. For some insight on IoT see <http://bit.ly/2caL7oC> and <http://bit.ly/2cLAYUX> and <http://bit.ly/2cqvaRy>.

People Holding on to iPhones Longer

Last year people traded in their iPhones every two years. By 2018 that's expected to increase to three years. The following chart is from <http://read.bi/2cAJpNY>.

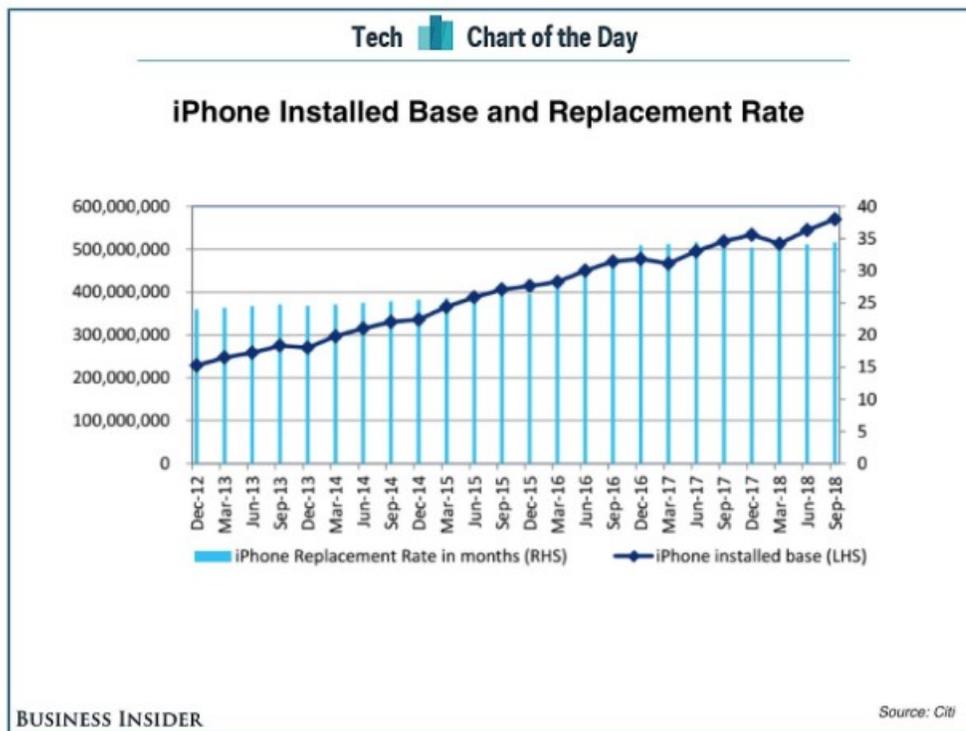


Figure 2

Apple's New File System

Next year, or perhaps sooner, we can expect a new proprietary file system for Apple computers. It's called APFS (Apple File System) and will replace the current HFS+ file system. HFS+ was introduced by Apple in January 1998 as a replacement for HFS (Hierarchical File System), which came along in September 1985. APFS will be used by macOS, tvOS, iOS and watchOS. It is designed for SSD and flash storage. It is crash-protected and HFS+/HFS compatible. Apple will provide an in-place HFS+ to APFS converter so that HFS+ devices will not have to be reformatted. OS X Yosemite and earlier versions of the operating system will not be able to use APFS. APFS will be available, and be the default file system, in 2017. Presumably MS-DOS (FAT) formatted disks will still be readable by both Apple and Windows machines.

(Continued on page 10)

(DECEMBER MINUTES, Continued from page 4)

COMMITTEE REPORTS

Audit – Gladys Campion

No action until after January 1.

Bylaws Review – Eric Ottoson

No report.

Fundraising – Peter Hess

Peter invited tonight's guest from the Dayton Foundation and is continuing work on a planned giving program.

Peter is also looking into the feasibility of a large local event. Mark Zuckerberg is planning to visit

(DECEMBER MINUTES on page 8)

Have a business card? Are you a DMA member?

ANY 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 Editor@DMA1.org, or give your business card to **Martin Arbagi**, 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 *itself*. See the example on the next page, which includes a member discount.



Lock Nest Mobile Locksmith

Steve Davis
Owner

P.O. Box 753
Vandalia, OH 45377
937.890.1936



Locknestmobile@gmail.com
www.locknestmobilelocksmith.com

10% Discount to DMA
members!

GARY'S COMPUTERS
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gcoy@woh.rr.com
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www.whitewatervalleyrr.org

every state this year. If he would choose Dayton and be willing to work with us, we might rent a theater or auditorium for his visit.

Peter moved that we pursue Zuckerberg's interest in coming to Dayton. Pat Flynn seconded and the motion passed.

Membership – Glady Campion

We have no meeting attendance numbers this month, but 42 people attended the Holiday Dinner.

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

Brent now has access to Dreamhost. He is working on cleaning up old loose ends and unused files. DaytonLANfest and WirelessDaytonDays no longer exist and can be removed.

Programs – Jim Ullom (absent)

Possible future topics include StrongArm malware protection (StrongArm.io) and/or a Skype presentation from Gene Barlow, or DNA testing.

Publications – Martin Arbagi

The December issue of THE DATABUS has been posted.

Publicity – Ed Skuya, Gary Coy, Debra McFall, Pat Flynn, Peter Hess

Peter had questions about the DMA Facebook account. Since it is an automatically generated account, he asked about how we could gain access.

OLD BUSINESS

Records Committee – Debra McFall, Glady Campion, Eric Ottoson, Wynn Rollert, Martin Arbagi

No report.

Wright State Archives – Martin Arbagi, Glady Campion

No report.

Next Board Meeting

The next Board Meeting will be 7:00 P.M. on Monday, February 6, 2017 at The Greene Community Room on Chestnut Street near the Ritch Building. Those who want to join us for dinner should meet us at the Panera's at the Greene, at 6:00 P.M.

Eric Ottoson has reserved the Community room for us at the Greene for February through June.

Summer Picnic – Martin Arbagi

Glady presented a final report and Pat Flynn gave reimbursement checks to Martin Arbagi and Glady Campion.

Holiday Dinner – Glady Campion

No report yet.

ADJOURNMENT

Peter Hess moved to adjourn at 9:08 pm. Pat Flynn seconded and the motion passed.

Respectfully Submitted,

Glady Campion,

Secretary

DMA Events for Feb 19 – Mar 25, 2017

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Feb 19	Feb 20 Presidents Day	Feb 21	Feb 22	Feb 23	Feb 24 DDL Python Self-Study Noon 5000 Springfield #100, Dayton	Feb 25 LINUX INSTALL-FEST
Feb 26	Feb 27	Feb 28 MAIN MEETING 7:00pm TJ Chumps 7050 Executive Blvd Huber Heights	Mar 1	Mar 2 Genealogy SIG 6:30pm East Dayton Library 2008 Wyoming Dayton	Mar 3 DDL Python Self-Study Noon 5000 Springfield #100, Dayton	Mar 4 Classic Computers 3:00pm 7189 Claircrest Drive Huber Heights
Mar 5	Mar 6 DMA Trustees 7:00pm Chestnut Street Community Room The Greene	Mar 7	Mar 8 Dynamic Languages 7:00pm Dayton Chess Club 18 W Fifth Street	Mar 9	Mar 10 DDL Python Self-Study Noon 5000 Springfield #100, Dayton	Mar 11
Mar 12 Daylight Savings	Mar 13 Dayton Diode SIG 7:00pm 660 Milburn Ave Dayton	Mar 14 Pi Day Investment SIG 7:00pm Panera Bread 4110 Far Hills Avenue Kettering	Mar 15	Mar 16 Linux SIG 7:00pm Wright State Univ. Colonel Glenn Hwy	Mar 17 St Patrick's Day	Mar 18 Classic Computers 3:00pm 7189 Claircrest Drive Huber Heights
Mar 19	Mar 20 Apple Dayton SIG 7:00pm Public Room Fairborn Fire Station #2 2200 Commerce Center	Mar 21	Mar 22	Mar 23	Mar 24 DDL Python Self-Study Noon 5000 Springfield #100, Dayton	Mar 25

After two decades in the capable hands of DAVE LUNDY (thank you, Dave!), we're moving to a new Webmaster, BRENT KERLIN. Please excuse some glitches in the DMA1 site (including this calendar) while we make the transition over the next few months!



On-line DMA membership registration or renewal is *still* available ... simplified form compared with the one on page 10, tool
Click [here](#).



See <http://tidbits.com/article/16584>, <http://apple.co/2cgZGug> and <http://apple.co/2ctW4og>. Also see <http://apple.co/2cgZGug> for a 36-min video.

Snoop-proofing Your Mac

See <http://bit.ly/2cAMg9t> for interesting guidance on securing your Apple computer. If you follow *all* the suggestions your machine will be quite secure but probably significantly crippled. To quote from this article, "... but be very careful once you make changes outside System Preferences. Seriously, you have been warned".

Beware of MacKeeper

I think the best that can be said of MacKeeper (<https://mackeeper.com/>) is that it's very controversial. Before installing this software search the Web for reviews of this product. See <http://bit.ly/2czFXpX> for Wikipedia's description of the software.

See <http://apple.co/2cpWpXe> and <http://bit.ly/2d0QrNA> for negative reviews.

See <http://bit.ly/2cqzX5o> for information on uninstalling MacKeeper and other products.

Apple's New Corporate Headquarters

Apple is building a new facility in Cupertino, California on One Infinite Loop (where else?). Construction began in late 2013 and is expected to be completed late this year or early 2017. The facility will have 2.8 million ft² of office space and house about 12,000 to 13,000 employees. There are 3.7 miles of curved glass and 700,000 ft² of solar panels. The site is on 176 acres and has 7,000 trees and 15 acres of grassland. Cost? \$5 billion.

See <http://bit.ly/2cpZBli> for a 4-minute video. Also see <http://bit.ly/2cMILgV> and <http://for.tn/2cqAC6V>.

... TR

Protecting Yourself from Browser Pop-up Scams

By David KRETCHMAR, Computer Hardware Technician, Sun City Summerlin Computer Club, NV

November 2016 issue, *GigiBytes Gazette*

www.scscc.org

tomburt89134 (at) cox.net

WINDOWS 10 HAS PROVEN ITSELF to be the most secure Windows operating system ever, so hackers seem to be turning to another vulnerability. Browsers (Internet Explorer, Edge, Firefox, and Google Chrome) are becoming a prime target of scammers.

If you are at all adventuresome exploring the Internet, you probably have had a browsing session interrupted by a pop-up visual often accompanied by an obnoxious audio warning to the effect that your computer has been infected and you must call a toll-free 800 (or 8XX) number to prevent something terrible from happening to your hard drive or data.

This warning is bogus; often the "threat" can be deleted by simply closing your browser.

To protect yourself from serious malware infection, you must be careful about how you close a pop-up window. Specifically, you should never click anywhere in a pop-up window. Even buttons labeled "Cancel" or "Close" or a red-X button in the upper-right corner are dangerous to click; doing so could trigger an infection.

(Continued on page 11)

(CON MEN—Continued from page 10)

How to Close a Pop-up Window Safely

To close a pop-up window safely, locate the button in your Taskbar that represents your browser. Also, look for other highlighted icons on the Taskbar; the button and the pop-up will usually have a similar name. Right click on the button and select Close.

If that doesn't work, you'll need to use the Windows Task Manager to close the pop-up. Simultaneously press the CTRL, ALT, and DEL keys, and from the resulting window, select "Task Manager." In the Task Manager, under the Processes tab, highlight your browser application and click the End Task button. It is probably a good idea to close all applications except the Task Manager, unless you are comfortable identifying non-problem items.

Occasionally you will have to power down your system to remove the problem, either by holding in the start button on your computer for about ten seconds or unplugging your tower. If the problem occurs on a laptop computer naturally the battery must also be removed completely to power down the computer.

What has Happened to my System?

Usually the pop-up described above does no lasting damage to your computer. It is "only" a URL (Internet site) function with some unique properties. The purpose of the URL function, which you experience as a pop-up, is to frighten the user into calling the toll-free number. A con-man (it seems usually to be a male) probably on the other side of the world will attempt to extract as much money and data from you as possible to remove the threat.

Usually the scammer will attempt to get the caller to initiate a remote connection to the victimized computer. The remote connection can then be used to make it appear that the scammer is examining your system and often additional software, such as a Citrix program, which is a legitimate application, is loaded into your system to increase the scammer's control of your computer.

Never Call any Phone Number That Appears

The scammers might trick you into granting them remote control of your computer. This might enable them to install a "backdoor," granting scammers the unfettered ability, now and in the future, to harvest any or all the information contained on your system, to be used for any purpose. *Never* allow anyone you don't know remotely to log in to and use a computer that you own or control.

Inevitably the scammer discovers some terrible problem with your computer. You are informed that you will be required to pay a substantial fee to have the problem removed or prevent future problems.

... TR

Help DMA by using Amazon's "Smile" program!

AMAZON, the Internet's largest retailer (if you haven't noticed, Amazon isn't just for books any more!) has a "Smile" feature whereby Amazon donates a percentage of almost any purchase you make to a selected nonprofit organization. There is *no* extra cost to you. Click [here](#) to learn more or here to go directly to the sign-up page. Be sure to put DMA down as the beneficiary of your purchases.

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

Home Address _____

City _____ State _____ Zip _____

Home Phone _____-_____-_____

Skills & interests you might share with DMA _____

What you hope DMA will provide _____

TYPE OF MEMBERSHIP	
<input type="checkbox"/> REGULAR	
Name _____	Birth date ____/____/____
Email _____	Mobile Phone (____) ____-_____
<input type="checkbox"/> ASSOCIATE Family Associate memberships are available to those in the immediate family of a Regular member and living at the same address. Name of Regular member _____	
Name _____	Birth date ____/____/____
Email _____	Mobile Phone (____) ____-_____
<input type="checkbox"/> STUDENT Free memberships are available to students under 22 years of age who are enrolled full-time in a program of higher education.	
Name _____	Birth date ____/____/____
Email _____	Mobile Phone (____) ____-_____
School _____	Student ID# _____

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:
Mail check and application to:

Dayton Microcomputer Association
PO Box 4005
Dayton OH 45401-4005

DMA use only			
Member# _____	Exp ____/____/____	<input type="checkbox"/> Cash <input type="checkbox"/> Check# _____	Proc by _____
Member# _____	Exp ____/____/____	<input type="checkbox"/> Cash <input type="checkbox"/> Check# _____	Proc by _____
Member# _____	Exp ____/____/____	<input type="checkbox"/> Cash <input type="checkbox"/> Check# _____	Proc by _____