



# The DataBus

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Volume 28 Issue 2

[www.dma.org](http://www.dma.org)

July 2003

Association of PC User Groups Member (APCUG)

**Our Next DMA® General Meeting is**  
**Tuesday, June 24 - 7:30 pm, at Univ. of Dayton**

## *Intel 2003: New Technology Update* **and Product Review**

*By David Thomas*

Founded in 1968 to build semiconductor memory products, Intel introduced the world's first microprocessor in 1971. For more than three decades, Intel Corporation has been a building block for the computing and communications industries with chips, boards, systems, and more. Data from industry analyst firm Mercury Research indicates that Intel has shipped more than one billion x86 CPUs since that time, sparking a new era of computing and communication solutions.

Intel makes chipsets, which perform the essential logic functions surrounding the CPU, for computers, servers, and workstations. Intel also makes motherboards, which combine microprocessors and chipsets—the key subsystem of a PC or server.

Intel has 12 fabrication facilities and 12 assembly and test facilities worldwide. In 2001, Intel spent \$7.3 billion on capital investments to help build manufacturing capacity and increase manufacturing efficiency. Four fabrication facilities now operate using

0.13-micron manufacturing process technology. This process shrinks line widths on silicon transistors to just 1/1000th the width of a human hair, which increases processor performance while requiring less power and lower cost per chip. Intel also began the manufacturing conversion from 200mm silicon wafers to 300mm silicon wafers. Chip fabrication costs on 300mm wafers will be at least 30 percent lower than on 200mm wafers. Intel also spent \$3.8 billion on R&D. Intel Labs, the R&D arm of Intel, is comprised of more than 6,000 researchers and scientists in labs around the world.

Though best known for its Pentium and Celeron microprocessors – about four-fifths of all new PCs have them – Intel also makes flash memories (where it's also ranked #1 globally) and embedded semiconductors for the communications and industrial equipment markets. Most computer manufacturers use Intel processors; PC giant Dell is the company's largest customer.

In a very bold move Pixar Animation Studios, which brought the world "Monsters Inc." and "Toy Story," switched from Sun Microsystems to Intel-based servers. Industrial Light and Magic (ILM) has also joined the empire, at least in terms of hardware. Intel-based Dell systems running Linux were used for the bulk of its animation and special effects work. ILM began experimenting with Intel-based workstations when working on "Star Wars Episode I: The Phantom Menace," and used them extensively in "Episode II: Attack of the Clones." The conversion process took about nine months. The company also used these machines on "Harry Potter and the Chamber of Secrets" and "Terminator 3: Rise of the Machines."

Find out more about Intel Corporation and its line of products at the June 24<sup>th</sup> meeting of the DMA®. (*Writers note: So, why was Intel President Paul Otellini a VIP guest of Apple at CEO, Steve Jobs' keynote address at Macworld in January? hmmmm*)

**DMA®'s July 29, 2003 Meeting - T.B.A. -**

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**Member Dayton Area Chamber of Commerce**

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**DMA® Data Line: 937-910-0006**

**DMA®'s general Post Office Box: P.O. Box 4005, Dayton, OH 45401-4005**

**Newsletter Winner:**

**Best User Group Coverage / Large Newsletters,  
1998 & 1999 Intergalactic 11 & 12 Conferences in N.Y.**

**Computerfest®**

**-- Next Computerfest®: Aug. 23/24, '03**

**<http://www.computerfest.com>**

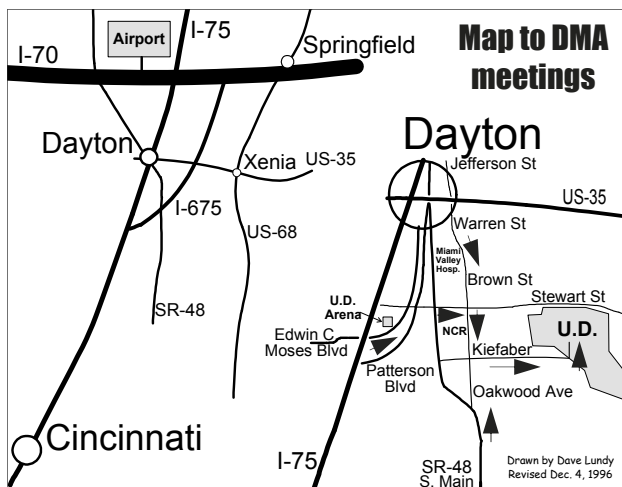
**email info: [computerfest@dma.org](mailto:computerfest@dma.org)**

P.O. Box 2336  
Dayton, Ohio 45401-2336

**Computerfest® Volunteer Hot Line: 937-222-2010**

**Computerfest® Phone Nos: Attendee info line: 937-22C-FEST (222-3378)  
Vendor info line: 937-223-FEST (223-3378)**

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#### AGENDA FOR 6/24 MEETING:

Announcements/Intro.....	7:30 p.m.
(President Lisa Singh)	
<b>On tap:</b> Intel 2003: New Technology Update...	7:45-9:00 p.m.
Q & A, Attendee Prizes.....	9:15 p.m.
(DMA® Board Member Leah Day)	
Closing Statements .....	9:45 p.m.
(President Lisa Singh)	
Meeting Adjourns .....	10:00 p.m.
(Adjourn to Marion's for Pizza SIG @ Patterson/Schroyer)	

If there is enough interest, the 'Internet Q&A' period may be held immediately prior to this Meeting, same room.

DMA®'s main meeting is held in Miriam Hall, O'Leary Auditorium, on UD's campus (add'l map p.25). The meeting starts at 7:30 p.m. Park in lot 'C' on campus (follow the map's arrows) to avoid parking tickets.

Editor's Box: **Are you sitting home alone? DMA® needs your help! Check our Volunteers Needed section on Pg. 25. You can help transform DMA®.**

**Join us at our June 24<sup>th</sup> meeting for a special presentation entitled Intel 2003: New Technology Update and Product Review.**

## The DataBus

*The DataBus* is published monthly by the Dayton Microcomputer Association, Inc. (DMA®). Technical articles, product announcements, news items and other items relating to computers, computing and/or computer users are strongly encouraged.

**The deadline for submitting material is the first day of the month of publication.** Please submit files to the editors ([Editor@dma.org](mailto:Editor@dma.org)) by "attaching" them to email in one of the following formats: (in order of preference) MS Word, Wordperfect, or .TXT (with line breaks) — or simply by handing a disk to the Editors at a General Meeting or mailing it to them. The editors reserve the right to edit for clarity, length & style, and to hold or reject any portions of submitted copy. It may be better suited to a later issue. *If you have a specific topic in mind but are not sure how useful it might be to fellow DMA® members, just call an Editor and discuss it.*

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**Winner:**  
**Best User Group Coverage**  
**- Large Newsletters,**  
**'98 & '99 InterGalactic**  
**Conferences in New York**

The opinions expressed in any article or column are those of the individual author(s) and do not represent an official position of, or endorsement by, The Dayton Microcomputer Assn., Inc.

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## DMA® MEETINGS

Email: [happenings@dma.org](mailto:happenings@dma.org) for updates

### Meetings - Guests are always welcome.

- All general DMA® membership meetings are held at 7:30 p.m., University of Dayton, the last Tuesday of each month, except December. See our Web page ([www.dma.org](http://www.dma.org)), [dmapub](mailto:dmapub), or email to: [happenings@dma.org](mailto:happenings@dma.org) for more info.

### Our monthly general meeting

consists of a brief opening, SIG reports, announcements, and a 60-90 minute program by a guest speaker, followed by door prizes for members.

**Board Meeting** - The regular DMA® Board of Trustees meeting will be held on the first Monday of each month at 7:00 p.m. at DMA's home at 119 Valley St. Dayton, Ohio

**Board meetings are open to all.**  
**Members are always welcome to attend.**

### OTAP RECYCLES COMPUTERS -

The Ohio Technology Access Project is a 501c(3) non-profit organization. This all volunteer group of devoted people generously give of their special talents & skills.

OTAP puts donated computers into the hands of people with handicaps, limitations, challenges and special needs - and provides computers to institutions which serve the needs of these individuals.

DMA® volunteers gather computers and then teach other volunteers machine inspection, testing, diagnostics, as well as adjustment and repair techniques.

After these donated computers are put into working order, they are then provided "as is" to qualified individuals and institutions which request them. Very basic, free, computer instruction follows some computer distribution.

If you would like to learn more about OTAP, please set your browser to <http://www.otap.org> Computer donations are tax-deductible and to date, more than 2000 computers have been distributed by OTAP.

If you or your organization wish to donate or receive used equipment, or if you would like to volunteer, please call the Project Manager. Al Russell at (937) 222-2755 or email [russella@dma.org](mailto:russella@dma.org).

Located at 119 Valley St., Dayton, OH

## DMA®'s Special Interest Group (SIG) Meetings

### Do You Have a Specific Computer-Related Interest ? —

and need an organization to support that interest? Are there others you know who would join you? DMA® can help sponsor groups of approx. 6 or more who have common software or hardware interests by providing meeting venues, AV equipment, etc. Contact [vice-president@dma.org](mailto:vice-president@dma.org) for more information.

**Apple-Dayton SIG** -for those who want to get the most out of their Apple computer & learn about the Apple/Mac platform. Group meets the 3<sup>rd</sup> Monday at 7 p.m. at 119 Valley Street now, but watch our website. Contact Keith Ciriegio (meeting coordinator) at 937-773-0676, email: [keithc@gemair.com](mailto:keithc@gemair.com)

**Certification SIG** - Purpose: to assist you in passing various Certification exams. Meets 2nd Tues. and 4th Wed. of each month. Contact George Ewing, [ewingg@dma.org](mailto:ewingg@dma.org) or Larry Ford, [lford@woh.rr.com](mailto:lford@woh.rr.com) or call 937-361-8917. **Networking SIG** meetings have been combined with this group which now covers both areas.

**Classic Computer SIG** - the keeper of the Dayton Computer Museum. Classes in older computer hardware and software are taught by the Curator, Gary Ganger; 1st & 3rd Sat. of ea. mo. 3 to 5 p.m. at the Sugar Grove Church, Email [gangerg@dma.org](mailto:gangerg@dma.org) or call Gary at (937) 849-1483 for directions.

**Digital Photography SIG** meets 1st Thursday of each month. Interested? Email [millard@millard.net](mailto:millard@millard.net) or call (937) 879-5419. Covering all aspects of digital photography in a friendly small group atmosphere.

**Digital Textiles SIG** - The place to indulge your interest in computerized machine embroidery, cross stitch, knitting, quilting and sewing. Meetings will start at 7 p.m. on the third Thursday of each month at 119 Valley St. Explore what's new in the world of textiles and share your projects and experiences with others who share your passions. Contact Lou Childs for details at 888-276-3578 or [lou@downhomedreams.com](mailto:lou@downhomedreams.com).

**Gaming SIG** - Now meeting online. Please contact SIG leader Bill Myers at [gaming@technomutt.com](mailto:gaming@technomutt.com) or (937) 275-3583 for further details, & <http://www.dma.org/sigs.html> for the latest time/date/program information.

**Northern SIG** - one of DMA®'s newest SIGs, is for those interested in open source software who live near or north of I-70. For more details, see <http://www.dma.org/northernsig/> or contact Robert Ruby III- [aprinciple@hotmail.com](mailto:aprinciple@hotmail.com)

**Software Development SIG** - The former Greater Dayton Delphi Group meets 2nd Thurs. each month at 6:30 p.m. at 119 Valley St.. Focusing on all aspects of software development including design, implementation and testing, we are language and platform independent. For more info, call Bill Gross at 937-602-3946 or email him at [pss@woh.rr.com](mailto:pss@woh.rr.com).

**UNIX/LINUX SIG** - Meets the 3rd Thurs. of each month at 7:00 p.m. in Wright State's Russ Engineering Center. Call Tony Snyder at 275-7913 for info. [www.dma.org/linuxsig/](http://www.dma.org/linuxsig/)

**Venture Scouts** - No fixed meeting time currently. Any new members are welcomed. For more information, please contact Ron Schwartz at: (937) 434-2144 or email to: [schwartr@gemair.com](mailto:schwartr@gemair.com)

### Pizza SIG

- the unofficial snack or meal of the computer enthusiast is enjoyed following each DMA® General Mtg. at



Marion's Piazza on the corner of Patterson and Shroyer roads. **Use the DMA® coupon on page 30 to help the Club!**  
Open to all, it is the "Pizza SIG".

### Club Purpose and Membership

The Dayton Microcomputer Assn., Inc. (DMA®) is an Ohio non-profit organization dedicated to the education of, and providing information to, microcomputer users and the general public. DMA® members use and own a wide variety of computers and possess various levels of computer experience.

Annual dues are \$25 for regular members, which includes a subscription to *The DataBus* newsletter, and \$12.50 for associate members living at the same address. Associate memberships must run concurrently with a regular membership.

**For other user groups with DMA®, see page 31.**



# - Dating and the Internet -

*By Edwin Davidson*

Last month Jerry Wonderly wrote about the intricacies of Online Dating, and I have come to think that this could be an oxymoron. I think we can meet people on the Internet, but it makes sense that we cannot actually date on the Internet. These liaisons are started in the mind and not in a smoky bar where you can't breathe.

I thought I would use Jerry's advice to try and meet some new people but, to my surprise, no one seemed interested in emailing me back. I have been having fun over the last few weeks. I recently got a new job. I am going to a Bar Mitzvah for the first time, and I am realizing I have volunteered to do too many things.

Spending money on online dating could mean you are interested in a long term commitment. Can we really have love at first sight? I did, but the person I wrote to did not seem to have the same lust in her heart for my picture as I did for hers. It was fun to try, but I started to think that I had wasted my time and money.

All of the other girls were only second best, but wait. I was sent a message by someone who found my picture appealing. This was someone whom I found interesting after looking at more of her pictures. Her main picture was not one that I had a real attraction to at first, but looking at some of her other pictures I was able to ascertain that she (like so many of us) hates to have her picture taken.

One of her pictures was taken at a moment most would not want to show - perhaps one reason this was not her main picture. I could see her fun-loving attitude and charm. Is this to be my first true love online? I can only hope. I can also only hope to actually meet this person. I am overbooked now that I have a job, and she is overbooked because she has other commitments, and it seems we are

both wasting our money to meet someone else online who doesn't really have any time either.

I shall leave nameless the service I am using as it might lead the people online who are still trying to meet people on this service to write me evil notes. I feel the emotional feelings of getting your dating legs is an important thing to get in touch with. The people on the other end of our notes are also people with emotions who perhaps are getting dumped on, just as we may feel.

Is the main reason you are getting online to find that true love, or are you just trying to meet some friends? I have been hanging around the same people for too long and need to get out and meet some new people. The first person I was attracted to wanted true love and a white knight to come charging onto the scene. My first note must have been a letdown.

Was her expectation too high, or was I too callous in my reading of her bio? Yes, I am interested in meeting that special someone, but I know that the real important part of the equation is that we must like each other. When someone hears you might have been out of work for a while, they don't take into account that you are not as stressed as the rest of the population, and now that you are working again, it takes little time to get as stressed as everyone else. Plus, you are out of tune with everyone else's workplace stress.

It took me a few months to actually sign up and commit time and energy to finding a new friend. I think that now I have started, it makes more sense to try and meet a few people. One person is good, but a few people will help to keep your emotions open to the dating world. The first person you meet might be The One, but maybe you should look deeper than just your first pick. The first person you are looking at might not be as

enamored of you as you are of them. They also might be looking to meet a few new people.

You might find someone you are comfortable with and that likes you as much as you like them, but it might take a few dates before you come across the right emotional chemistry. Dating is harder the older you get and breaking out of the old routine is the hardest part of the equation.

I think everyone has a match, but the moon and the stars only shine if you are there to see them. We are locked into our cars and in front of our computers. Getting out after a day's work is breaking the routine. Cleaning our clothes, home, and ourselves takes up much of our time. Our current family and friends aren't enough if you are single, and make us want to break out of our mold.

It really takes a concerted effort to change our current habits and get back out into the dating world and meet new people. I love my dog, but this bond can only take you so far. The animal's love is unconditional, but the prospective dating partner is most likely needing as much understanding and compassion as you do. Keep in mind the relationships you have had and liked.

Meet some new people and have some new experiences. Realize the one you love might love someone else so don't necessarily put all of your eggs in one basket. Your first pick may be the best, but they may have a different set of needs. It is important that you both want to keep seeing each other. Don't be surprised if someone you didn't notice notices you. Give them your time and you might be pleasantly surprised. Most of us spend too much time on our computers, so if you are in need of new friends, realize that it can also be your portal to the outside world.

# - Tips To Customize Windows XP -

*Provided by Joe Isaac, CKCS (Central Ky. Computer Society)*

## **Change the Picture on the Welcome Screen**

If your computer is a member of a workgroup or is a stand-alone computer, you can replace the picture on the Welcome screen with another picture. First, store a head shot that you've scanned or taken with a digital camera in the My Pictures folder. The picture will be automatically resized to fit the picture box, so don't worry too much about getting an exact size, and then follow these steps:

1. Click Start, click Control Panel, and then click User Accounts.
2. Click your account name, and then click Change My Picture.
3. Click the picture you like, and then click Change Picture.
4. To find the user's picture, click Browse for more pictures, click the picture you want to use, and then click Open.

Now, when you open the Welcome screen, you will see the new picture.

## **Create a Keyboard Shortcut to Open a Folder or Program**

Do you have a folder to which you want instant access from anywhere on your computer? For example, if you want the My Music folder to pop up while Internet Explorer or Word is maximized, do this:

Select the folder in Windows Explorer. Create a shortcut, and place it on the desktop. (You create a shortcut by opening the folder, pointing to New on the File menu, then clicking Shortcut. Drag the shortcut to your desktop.) Right-click the new shortcut, and then click Properties.

In the Properties dialog box, click the Shortcut tab, and in the Shortcut

key box, enter a Control key combination or a Control-Shift key combination, (that is, CTRL+ALT+M or CTRL+SHIFT+M when M is for music), and then click OK.

Anytime you hit the key combination you specified, your folder will open, even when other programs are maximized! This tip can be applied to folders, programs, and text file shortcuts that are placed on the desktop.

## **Change the Start Menu Style**

Does the new Windows XP Start menu take up too much space on your desktop? You can easily change the look back to the Windows Classic Start menu by following these steps:

Right-click the Start button, and then click Properties. Click Classic Start menu. Click the Customize button to select items to display on the Start menu.

By default, selecting the Classic Start menu also adds the My Documents, My Computer, My Network Places, and Internet Explorer icons to your desktop.

## **Add Familiar Icons Back to Your Desktop**

It's the case of the missing icons. Many of you may be wondering where all the icons from your desktop are in Windows XP? Well if you're like me, you like to have at least My Computer, My Network Places, and My Documents on the desktop.

To do this:

Right-click on the desktop, and then click Properties. Click the Desktop tab and then click on Customize Desktop. Put a check mark in the

box next to My Document, My Computer, My Network Places, or Internet Explorer, to add those familiar icons to your desktop.

## **Keep Your Favorite Programs Near the Top of the Start Menu**

Do you have a favorite program that you frequently use? Elevate its priority on the Start menu by putting it at the top of the list. This ensures that the program will remain on the Start menu and cannot be bumped by other programs, even if you use the others more frequently.

Right-click the link to your favorite program on the Start menu and select Pin to Start Menu. Your program will be moved permanently to the top part of the list, just below your browser and e-mail programs.

## **Change the Default Opening Folder in Windows Explorer**

By default, Windows Explorer opens showing the My Documents folder. To change the default setting so that all top-level drives and folders are shown, follow these steps:

1. Click Start, point to Programs, then Accessories, then right-click Windows Explorer, and click Properties.
2. Under Target field, which reads %SystemRoot%\explorer.exe, add text to make the line read %SystemRoot%\explorer.exe /n, /e, /select, C:\
3. Click OK.

I love that little trick. Now when you open Windows Explorer you get to choose from all the folders and drives, not just My Documents.

§

# - Certification in Linux, Not Unix -

by Edwin S. Davidson

Linux and the Certification SIG are coming together for a period of time. I am one of the people who did not graduate with the last class. My networking skills are much better, but I am not able to attend many of the classes, as I am working on this publication. Getting this publication together keeps me busy for a period at the beginning of the month.

The Microsoft, Apple, and IBM, approach to software development is getting a nudge from the all-inclusive Linux software development packages. As you can tell if you recognize any of the faces in the picture to the right, there are many serious computer people. Most of us who have been working with computers are always adapting. From the early days of the 8008 to the 8088 and the 8086, we kept hoping the computer would do things we want in real time.

I think a fair portion of this crowd knew BASIC and FORTRAN long before there were visual versions. Many of us have talked about assembly language and a few dead Languages. As Microsoft and Apple keep reinventing themselves we are all looking for a cheaper and friendly way of using our computers to keep in touch.

I will say that Linux is not for the faint of heart. It is still a rudimentary language with extensive capabilities. It can do many of the things we need to do in our daily lives, and in one basic software package. Buying software is the basic necessity for our getting many things done. I think as things continue to evolve, you will find the all-in-one software packaged with Linux is going to be a rule, more than a luxury add-on to the hardware purchased.

Much of the high tech software will still be sold to those who need it, but the casual video editing and word processing should not be an add-on to a basic software package. Privacy and virus protection is a necessity with all operating systems. (Kids with too much time on their hands seem to cause us havoc every so often.) I have no idea what computer languages I used back in 1973, but after 30 years I still like watching the end result. Putting

some type of language code in and expecting a specific result to transpire keeps happening every time a new language or software comes along.

The mixture of IDE and SCSI devices that I have intermingled with two dual 233 and 166 systems make up one of two systems I plan on using for this SIG. I need to read a couple of chapters before the next class. As of this date, I have tried to install Linux twice, and both times I have come away without being able to use the installation. What is one more language? CP/M, DOS,

UNIX, Apple's OS? I never did try OS/2, but all of these are kind of like learning a new language. French, Spanish, and German all have a basic structure while still doing things slightly differently.

I was running Games under Windows when people thought it would not be possible. I got into configuring the devices and drivers into memory so that the throughput

would allow the programs to run. Last class I learned to network my computer better, and with Will's help I was able to correct the portal computers Internet sharing ability to the outside world so all my computers could not only connect to each other but also to the Internet. (Ok, a software glitch I didn't think about. Thanks Will.)

This SIG looks like the 'new' place to be, along with the Digital Photography SIG. Apple and Microsoft like to make it look simple, but the hardware needed to work quickly can make you gasp. Linux will connect your hardware in a fast, safe and secure environment, and it is a network administrator's dream language.

We are going to be working. Many of us who have tried or worked with this language before are taking one more shot at mastering the language for our insight and for the stability it can bring to the workplace. It is important to continue forward. Time stands still for no man. The 64-bit motherboards and processors are just around the corner for everyone. I read that Hewlett Packard has a 64-bit version of Linux. I had better get the book out. Tomorrow night comes too soon.



George Ewing presenting... George Ewing?

# UH - OH !

## These Memberships have expired, or are about to expire soon!

Remember to send your check & the completed application form (in the center of this newsletter) marked "DMA® Dues" to P.O. Box 340402, Beavercreek, OH 45434-0402. Or if you give them to Carol Ewing at the next General Meeting, please have the form filled out in advance and have correct change or a check. **We do not have change at the meeting.**

### Expired in May 2003

Barry	Kevin
Clemmons	Todd
Croft	Kenneth C.
Decker	Ronald
Eubank	David
Focke	Jim
Hayes	Kathy (a)
Hiechelbech	Derrick
Higgins	William L.
Hittner	David
Jagiolo	Julia A.
Jones	Lesley A.
Lackermann	Steven
Leibold	Michael
Mandas	Arlene
McCoin	Kenneth H.
Meyerowitz	Rammy
Miller	Oliver
Pascale	Michael A.
Petersen	Robert
Pitcher	Lorraine
Reiss	Stephen
Rosell	Robert L.
Rusnak	Dennis M.
Stevey	Joel D.
Teer	Mary Y.
Thomson	Kenneth T.
Turzynski	Joanne
Ude	Roland W. (Buzz)
Ungard	Matthew L.
Young	Kristy
Young	Laura J.
Young	Roger
Zelasco	Jennifer A.

### Will expire in June 2003

Black	Kathi
Brown	Denis
Burgmeier	Bill
Carrier	David
Crabtree	George
Feigleson	John P.
Fleck	Shawn
Gyenes	Colleen
Hansford II	Paul D.
Harris	Robert L.
ICE	Alan Doll
Knapke	Mark Joseph
Landaburu	A. Carlos
Linden	Michael K.
Merrill	Gregory
Midlam	Tom
Nash	Tracy
Peters III	Roscoe H.
Rhodes	James C.
Schumacher	James L.
Seibert	Karl F.
Setterfield	Patrice
Singh	Lisa
Sprauer	Ronald J.
Straw	Douglas
Taylor	Vivian K.
Walton	Rhonda J. (a)
Wrinkle	Kathy (a)

### Will expire in July 2003

Anderson	Mark
Bacher	James A.
Behymer	Richard
Bennett	Barbara
Bomhard	Kevin
Chiang	T. Derek

Cook	Gary L.
Cook	Jason
Cox	Alice
DeWaters	Ernie
DeWaters	Irma C. (a)
Elworth	Donald T.
Fabregat	Jorge Emilio
Faucett	Jaime E.
Feigleson	Mark
Ford	Larry
Fosnaugh	Henry A. (a)
Hopson	John
Jones	David H.
Keim	Joseph W.
Kouse	Penny C.
Krull	Jay J.
Lackermann Jr.	William
Lemen	Carolann
Lord	Steve
Mahurin	Don
Milano	Jack
Petersen	Steve
Reeves	Kent
Rotman	David
Sheibenberger	Tommy
Simpkins	Jacqueline
Smith	Donald W.
Spangler	JoAnn
Stuart	James
Suarez	Patrick
Tasch	Daniel
Wineburgh	Lewis
Young, Th.D.	Barbara
Zarecky	Mark D.

(a) indicates an associate member

## - Beware: New Klez Virus Strain Appears -

by DMA® Editor Emeritus, Bob Esch

The famous Klez virus is back for another round, leaving various attachments on your system, including the dreaded "application.pif" executable file. BEWARE, this time the virus sender is attempting to masquerade as a communication from "Microsoft" using the address: support@microsoft.com

BEWARE: Subject lines include such headings as:

- \* Your Account"
- \* Set New Password
- \* RE: Movie

and a really authentic looking:

- \* Re: Approved (Ref: 3394-65467)
- with a reference number that actually changes.

Most are coming from unknown sources on the Pacific rim, but there are now some coming from within the US. NONE so far actually from Microsoft.

One disturbing thing: one did come from Metlife.com so we can probably expect a lot more.



# - Game Review - Star Wars: Force Commander -

by Dan Woodward, DMA® member, DataBus Software Reviewer



Dan Woodward: *At the tender age of 9, Dan got his start enjoying computer games on his TI-99/4a home computer, and he's been at it ever since. He graduated in 1996 with a B.S. in Environmental Studies. Dan has been a DMA® member for about 9 years now, and enjoys playing Othello, other strategy and role playing games, backpacking, fishing and gardening. He also dabbles in computer repair and upgrades, & is currently studying for his Network+ certification.. Dan is a regular software reviewer in The DataBus. - dgw@dmapub.dma.org*

Long, long ago, in a galaxy not so far away, George Lucas tried to do a remake of Flash Gordon. Thankfully, the copyright holders would not allow him to use the characters, so we ended up with Star Wars instead. The movie was so successful that it launched a company that brings in more money each year than many small countries do. If you are at all familiar with Star Wars, then you have heard of 'the Force'. (Use the Force, Luke!) This month, we are taking a look at Star Wars: Force Commander, a bargain bin offering from LucasArts that lets players participate in some of the pivotal engagements between the Empire and the Rebels.

For anyone who is not familiar with the story, this will have to suffice: In the past, and in another galaxy, there was once a just Republic. A power hungry senator schemed and used his mystic 'Force' abilities to overthrow the Republic and set up a ruthless Empire. Those who wanted to re-establish the Republic became known as the Rebels and took up the good fight. The story focuses on two brothers, Brenn and Dellis Tantor, who volunteer for service in the Imperial forces. (Later on, you also get to play the various Rebel troops) During the course of the game, many of the major characters from the movies interact in some way or another, including Darth Vader, who will relieve you of command if you don't perform up to expectations.

Normally I dismiss in-game cinematics as eye candy and don't really consider it when rating a game. However, the visuals between missions are so effective at drawing players

into the story that I found myself thinking it was one of the best jobs I've seen. The introductory sequence leaves no doubt that this is a genuine Star Wars product, and makes you feel the sheer scale of the upcoming battles.

The actual gameplay was a bit less thrilling, especially at first. I was confronted with around 80 different keyboard shortcuts and mouse + keyboard combinations to use for controlling my units. Even having the majority of these introduced over the course of three training missions was a bit too much, though I have to give LucasArts credit for trying to introduce one here and there, trying to avoid the feeling that they were giving players a cram session. The graphics in the game were usually sharp, even when zooming the camera in on the action. Occasionally though, even with all the 3D enhancements, I found myself wishing that it was more of a traditional top down view. The missions themselves were varied, ranging all the way from the Battle of Hoth down to one where you are protecting a line of communication beacons from a few Rebel units.

I particularly appreciated the fact that there was a finite limit on the number of troops that can be in play at any given time. This keeps the game from suffering from the malaise that

so many other real time strategy games fall into - that of building up huge armies of troops before doing anything. I also grew to enjoy the same interface that originally frustrated me - evidently it just took a while to get used to the more commonly used commands.

Summary: Technically, and from a multimedia viewpoint, this is an excellent game once you start to remember the various commands. It is fairly easy to enjoy, particularly due to the source material. This, coupled with the varied missions, keeps the game above the 'average' category. However, after playing through about half of the missions, I found that I wasn't really very compelled to try to finish the game. As such, it seems that Force Commander is a bit lacking when it comes to making players care about the progress of the main characters. Replay value is also rather low, although it is enhanced by multiplayer modem and Internet play.

Rating: 7.5 out of 10

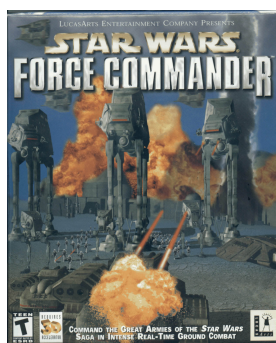
Requirements: 266 MHz CPU, 64MB RAM, 8MB Direct3D video, Windows 95+, 454 MB free HDD

Reviewed: Athlon 700, 128 MB RAM, 32MB Video, 50x CD, Win ME, DirectX 8, 30GB HD

Best Price: \$11.45 including shipping from [dealdealdeal.com](http://dealdealdeal.com)

Demo: [www.lucasarts.com/products/forcecommander/default2.htm](http://www.lucasarts.com/products/forcecommander/default2.htm)

Walkthrough: [http://db.gamefaqs.com/computer/doswin/file/force\\_commander.txt](http://db.gamefaqs.com/computer/doswin/file/force_commander.txt)



## - Technology.talk — Digital Choices, Digital Future -

By Patrick J. Suarez—Regular Contributor to *The DataBus* - pjsuarez@gemair.com



Patrick J. Suarez is a nationally recognized Internet writer, trainer, speaker and consultant. He has appeared on numerous radio and TV programs across the United States. He is the Internet speaker at the annual Computerfest® trade show in Dayton, OH each spring. Mr. Suarez published a tutorial software program called "The Beginner's Guide to the Internet" in 1993, and a book by the same title followed in 1995. In addition, Mr. Suarez has been published by Que. Mr. Suarez operates a Web site supporting people who have just learned that they have a tumor. Pat is an independent writer and trainer and shares his computing time between Linux and Windows.

Five years ago, the music and movie industries bought the infamous Digital Millennium Copyright Act (DMCA) from their buddies in Congress. The RIAA and MPAA claimed that this was a proportional response to the madcap file trading made possible by Napster and other peer-to-peer networking tools.

Peer-to-peer networking is technology that allows one user to send an electronic file to another user, anywhere, without needing a centralized server to make the handoff possible.

The RIAA (music industry) and MPAA (motion pictures) had sought strict control over the public's use of music and movie products from the time a commoner first transformed an analog sine wave into 1's and 0's. The legal arguments and accusations remain head-spinning. Overpricing of CDs. Stiffing artists of their income. Locking promising artists out of their industries.

The true meaning of licensing a CD. And, of course, fair use.

The major nag about the DMCA was the virtual elimination of "fair use", a concept that means you can make a backup copy, for your own use, of something for which you fork over your money or you can copy or quote copyrighted material in corporate reports or academic papers.

DMCA's catch was this: It criminalized technology that crippled copy protection schemes. In other words, if a company digitally locked you out of a CD or a file, employing competing technology to defeat the encryption (thereby enabling your fair use rights) constituted a felony. So, if you

wanted to exercise your right to make a backup copy of a music or software CD and you needed another tool to unlock the CD, the technology and your action were illegal. Or, if you fired up a program that bypassed the encryption on several CDs so you could burn your own music mix for your commute to work, you committed a crime.

The backlash against DMCA was swift. To reposition the legal situation more toward the center (no unfair advantage to either the music/movie industry or to the users), two Congressmen introduced legislation to decriminalize encryption-bypassing technology. It's called the Digital Media Consumer Rights Act (H.R. 107), or DMCRA.

But all of this legal volleying might not matter. Microsoft has announced its intention to include IRM, or Information Rights Management, in upcoming versions of its Windows operating system and its Office suite.

IRM decidedly tilts the table toward corporate America and away from users.

So you can keep all the names straight, let's start with Palladium, Microsoft's technology to "protect" information. The irony of this name is not lost on those who know the definition of "palladium": A safeguard, especially one viewed as a guarantee of the integrity of such social institutions as the Bill of Rights.

Longhorn is the name of the new version of Windows that will include Palladium and other IRM tools. Speaking of IRM, Office 2003's IRM features will create files, perhaps em-

barrassing or incriminating ones, that can be neither copied nor printed (nor wind up in a court of law to prosecute a future Enron). Just think: One will be able to put their misdeeds into writing and not have them boomerang as evidence against them.

DMCRA or no DMCRA, mass acceptance of restrictive technology such as Palladium very well might make the move toward right's restriction a done deal. If the corporate world and home users continue to slavishly flock to Microsoft for future operating systems and office suites, our collective fair use rights will vanish and RIAA's and MPAA's wildest fantasies will come true. Will some enterprising soul create technology to disable Palladium's and IRM's tools? You better hope so because "our side" does not have the money to buy Congress away from RIAA and MPAA. Or, you could stop using Microsoft products and consider some alternatives (Corel Office or IBM/Lotus SmartSuite). 99% of the PC nation won't do this, of course, and Microsoft and corporate America can count on this inertia and fear of unwillingness to change to get the control they desire.

If the entertainment industry cannot keep peer-to-peer networking at bay from a technical perspective, there's another idea that ISPs are considering that would. To keep people from inhaling and exhaling mass quantities of files, simply cap the number of bytes that flow into and out of a customer's Internet connection, charging a premium for "overuse". This is outrageous because this approach assumes all users are guilty of stealing or of aiding and abetting. People who enjoy streaming audio over the Web or

*(Continued on page 11)*

## - Technology.talk — Digital Choices, Digital Future -

(Continued from page 10)

who send lots of digital images to relatives will have to either curtail their lawful activities or pony up the premium.

Yet another irony in this mess is the recent news that new Internet use in the USA has "plateaued". We have reached the predictable point where we now have to wait for kids to grow up and have more kids to generate "new users". But if corporate America wants to keep the online customers it still has, it better not alienate them or they might discover that they can do without going online (and helping to generate billions in e-commerce). Or that they could do without buying new CDs. Or DVDs. There are none so blind.

Mindful of all of this, and knowing full well that most of corporate America is still stuck in Office 2000 and refuses to migrate to Of-

fice XP, Microsoft is dangling some compelling new features in Office 2003, including a jazzed up interface and better antispam code in Outlook, the most-used Office software in the suite, not to mention IRM and Palladium. Will corporate America miraculously leapfrog from Office 2000 to Office 2003? They just might, given Office 2003's digital lockdown features over which corporate America certainly drools.

This conjures up yet another conundrum: As PCs get faster and more able to process game and movie creation code, they can handle the faster and more flexible operating systems and applications that users demand and, completing the circle, that beg for increased processing power. But at what social cost?

This vicious circle becomes a metaphor for drug addiction,

wherein satisfied pleasure masks the horrors that result from having pleasure satisfied. To wit: We'll sell you an inexpensive PC with awe-inspiring power along with a state-of-the-art operating system and jaw-dropping applications, but you will abdicate your fair use rights, and we'll use that abdication to set a precedent to slowly bleed you of everything else we can, including your privacy.

Ultimately, as it always is, the decision about your digital future is squarely in your hands. Will you be a digital Faust to corporate America's, the RIAA's, the MPAA's and Congress's Satan, or will you see the light and tell Microsoft, the RIAA and MPAA as well as your elected officials to take a hike?

I fear the answer.

§

## - DMA® Board of Trustee and Officer Elections -

Elections are held at the annual General Meeting in September. The DMA® by-laws state specific requirements to be a nominee for a Board of Trustee or Officer position. Each year, three people will be elected as Board of Trustees for a three (3) year term by the membership present at the September General Membership meeting. At the October Board meeting, the President, Vice-President, Secretary and Treasurer are nominated and then elected by The Board of Trustees for a one (1) year term.

### Requirements:

- Must be a paid up individual regular or associate member of DMA® in good standing for at least the 12 months prior to election.
- Must be twenty-one (21) years of age before the date of the election.
- You are required to sign both forms and return to the **Nominating Com-**

**mittee Chairman** by August 31, 2003.

Any DMA® member wishing to run for a Board of Trustee position shall contact the Nomination Committee Chairman or committee members. The Committee will send you a Nomination Packet consisting of a copy of the current DMA® by-laws, an Expression of Interest and Commitment form and DMA® Code of Ethics Form.

The Nominating Committee Chairman will send every eligible nominee a certificate of acceptance notice. Every eligible nominee will be asked to send a short write up, electronic form preferred, not to exceed 500 words, and a photograph before September 1, 2003, to be printed in *The DataBus*. This write up should include a Biography and why you would like to be a DMA® Trustee.

If you know of a member of DMA® that you think would make a good Trustee, let us know and we will contact them.

Nominations will not be accepted from the floor on the evening of the election, Tuesday, September 30, 2003.

A copy of the complete DMA® By-Laws are on the website at [http://www.dma.org/DMA\\_BYLAWS\\_7\\_25\\_2000.html](http://www.dma.org/DMA_BYLAWS_7_25_2000.html)

Contact your Nomination Committee today:

[elections@dma.org](mailto:elections@dma.org)

George Ewing, Chairman  
[ewingg@dma.org](mailto:ewingg@dma.org)

Millard Mier  
[millard@millard.net](mailto:millard@millard.net)

## - GEMAIR News – June 2003 -

by Chad Brown, GEMAIR Operations Manager

chadb@gemair.com

### **GEMAIR signs Business Partnership Agreement with ICG Communications**

GEMAIR, Inc. is proud to announce that we have recently signed a Business Partnership Agreement with ICG Communications ([www.icgcomm.com](http://www.icgcomm.com)). This Business Partnership allows GEMAIR, Inc. to resell the wide variety of Internet services offered nationwide by ICG Communications. The flexibility and reach of this partnership allow GEMAIR, Inc. to provide service to larger and more geographically diverse companies and to provide a wealth of new services. This also allows us to utilize ICG Communications' robust fiber network in the Dayton Metro Area to provide inexpensive leased line (T1, T3, etc.) and other Internet services to a wider range of Dayton businesses.

#### **VoicePipe™**

One of the most exciting new services offered by GEMAIR and ICG is VoicePipe™ ([www.voicepipe.com](http://www.voicepipe.com)). VoicePipe™ is a "web-enabled next generation business telephony and internet service bundle"<sup>1</sup> built using Voice-over-IP (VoIP). It provides a single solution from a single provider that bundles high-speed Internet ser-

vice, local telephony service, and long distance service all in one easy bill from one provider. VoicePipe™ can reduce the total cost of ownership (TCO) of communications expense by up to 25%<sup>1</sup> while eliminating the need for the confusion of multiple service providers and the hassle of customer-premise PBX systems.

VoicePipe™ offers the same functionality and features of a PBX, Key System, or Centrex with one major difference...you are in control! All VoicePipe™ features are accessible from a simple, straightforward web-based control panel. From this control panel, end-users can forward business calls to their cell phones, have their voicemail delivered to them via email, and can set up many other advanced features. They can even unplug their VoIP phone, take it home and plug it into their broadband router, and voila...they can now answer their business calls from home (note to managers...you might want to hide this feature! Just kidding!). And the beauty of the VoicePipe™ system is that it just works! Your company's less tech savvy users will never even know the difference between a VoicePipe™ VoIP phone and a plain, old analog telephone.

As technology enthusiasts, I'm sure you're all saying, "Sounds great, but I've been hearing about VoIP for years now and no one has ever delivered on all of their promises." Well, ICG has! VoicePipe™ has been up and running in other major markets (Colorado since February, California, Texas, and others). And, most importantly, ICG uses the VoicePipe™ system here in their Dayton offices in a real line of business test.

For more information about VoicePipe™, please call the GEMAIR Sales Team at (937) 913-0083 or [sales@gemair.com](mailto:sales@gemair.com), or contact one of our VoicePipe™ experts directly:

John Friedenbach  
GEMAIR President  
[johnf@gemair.com](mailto:johnf@gemair.com)

Gary Turner  
GEMAIR Vice President of Information Technology  
[turnerg@gemair.com](mailto:turnerg@gemair.com)

Chad Brown  
GEMAIR Operations Manager  
[chadb@gemair.com](mailto:chadb@gemair.com)

<sup>1</sup> [http://www.icgcomm.com/company/media/press\\_releases\\_display.asp?date=2003-05-19](http://www.icgcomm.com/company/media/press_releases_display.asp?date=2003-05-19)

## - New Rules for DMA® Board of Trustee Meetings -

DMA® Board of Trustees approved the following "housekeeping rules" for all board meetings. The goal is to make the meetings more efficient for trustees and all guests. DMA® board meetings are open to all members.

Meeting times will be from 7 P.M. to no later than 10 P.M. The President will control the time limits.

The first thing on agenda is to review the agenda and decide what should be kept, tabled or sent to committee. Unscheduled guests will have 2 (two)

minutes to talk, then the board will decide if they want to continue with the issue and/or can ask for a written report and be put on agenda for the next board meeting. The report must be sent to the board by Friday noon prior to the Monday board meeting. Officers, Committee, Old and New business reports will have 5 (five) minutes. The board has the option of extending the time, tabling the report or sending it to committee. Anyone sending a report for agenda item will be asked for estimated time. All reports and proposals must be sent to

the Board, [dma-board@dma.org](mailto:dma-board@dma.org) (not just Secretary), by Friday noon prior to Monday board meeting. If this is not done, the Board may not accept this as an agenda item for this meeting. The board may decide to add it to the agenda next month.

The Board will decide if any issues are an emergency and need to be dealt with immediately. Executive Session will always be after New Business and prior to Good of the Order.

— Carol Ewing, DMA® Secretary  
[secretary@dma.org](mailto:secretary@dma.org)



## - Windows News -

Submitted by Bob Esch, Editor Emeritus, The DataBus – [eschb@dma.org](mailto:eschb@dma.org)

**“Microsoft Gets It Right”**, says Steve Bass’s Home Office newsletter ( <http://www.pcworld.com> ).

In his “Home Office” newsletter, Steve Bass says **“Microsoft’s Error Reporting feature in Windows XP and Office XP is apparently doing some good.** The company decided not to release Office 2003 because of the feedback it’s received.”

He cites two stories to look at:

"Microsoft Delays Office 2003 Launch"  
<http://www.pcworld.com/news/article/0,aid,110437,tk,sbx,00.asp>

"Extended Beta May Stabilize Office 2003"  
<http://www.pcworld.com/news/article/0,aid,110465,tk,sbx,00.asp>

Carl Siechert, coauthor of "Microsoft Windows XP Inside Out," told Bass that Microsoft pays attention to the data it receives through the error-reporting utility. Bass reports, “From the response to the Office beta, I tend to agree. Take a look at the tool: In XP’s Control Panel, choose System, select the Advanced tab, click Error Reporting, and make a decision how-or if--you want error reports to go to Microsoft.”

\* \* \* \* \*

### Internet Connection Firewall and Windows’ Basic Firewall Do Not Block Internet Protocol Version 6 Traffic

In [05.20.2003 GnomeREPORT], Lockergnome’s Windows Daily newsletter asks:

“Does the Windows firewall protect you from all incoming traffic? Not if it’s IPv6!

“While it’s not much of a threat today, I can easily see it turning into one tomorrow. Microsoft’s solution:

‘To work around this behavior, obtain firewall software that can filter and block IPv6 traffic.’

“How come nobody warned me about this? Why isn’t the tech press all over this serious oversight?! And, most importantly, when (if ever) will a patch be issued to bring the software up-to-date?”

Full details at <http://support.microsoft.com/default.aspx?scid=kb;EN-US;Q306203>

\* \* \* \* \*

(Additional background information on IPv6 from Microsoft’s Web site)

“While the Internet continues its unprecedented exponential growth, the recent broad adoption of always-on technologies such as Digital Subscriber Line (DSL) and cable modems, coupled with the pending integration of personal data assistants (PDAs) and cellular phones into always-addressable Mobile Information Appliances, significantly elevates the urgency to expand the address space that Internet-connected systems use to communicate. The address space currently used is defined as part of the Internet Protocol, or IP (the network layer of the TCP/IP protocol suite). The version of IP commonly used today is Version 4 (IPv4), which has not been substantially changed since RFC 791 was published in 1981. Over that time, IPv4 has proven to be robust, easily implemented and interoperable, and has stood the test of scaling an internet-work (a network of networks) to a global utility the size of today’s Internet. While this is a tribute to its initial design, moving forward to an even grander scale requires laying a new foundation.

“IPv6 will continue the tradition of the IPv4 protocol, which gained much of its acceptance by defining mechanisms to tie systems together over a wide variety of disparate networking technologies. Already de-

## - My Theorem on Salary -

My Theorem on Salary states that Engineers, Teachers, Programmers, and Scientists can never earn as much salary as business executives and sales people. This theorem can now be supported by a mathematical equation based on the following three postulates:

**Postulate #1:**  
Knowledge is Power  
(Knowledge = Power)

**Postulate #2:**  
Time is Money  
(Time = Money)

**Postulate #3**, as every Physics student knows:  
Power = Work/Time

It therefore follows:  
Knowledge = Work/Time

And since Time = Money  
We have:  
Knowledge = Work/Money

Solving for Money, we get:  
Money = Work/Knowledge

Thus, as Knowledge approaches zero, Money approaches infinity, regardless of the amount of Work done.

**Conclusion:**  
The less you know, the more you make!

finer link-layer mappings for transporting IPv6 include Ethernet, Point-to-Point Protocol (PPP), Fiber Distributed Data Interface (FDDI), Token Ring, Asynchronous Transfer Mode (ATM), Frame Relay, IEEE 1394, and IPv4. From the architectural perspective, an IPv4-based infrastructure appears to IPv6-enabled systems as a single segment non-broadcast multi-access (NBMA) network. The capability to send IPv6 traffic over existing IPv4 networks will provide an initial reach as broad as the current Internet, limited only by the endpoints’ ability and readiness to make use of it.”

# - To Linux, or not to Linux.... -

by Nancy J. Christolear, DMA® member

On July 13, the Linux SIG will be having another Installfest. I've participated in quite a few and have seen many people leave either happy or disappointed. I thought by writing this short article I could help you make your experience a positive one.

**Should you or shouldn't you** take the plunge. Well, that depends on several things. We'll take a few minutes to go over some of the things you should consider.

First, what are your expectations? Are you a person who has been working with Windows or a Macintosh and expect Linux to be the same thing? I can guarantee you will be disappointed. Unlike Windows or Macintosh, the Linux distributions are not as refined. What do I mean? Well, if you are familiar with Windows, then you are also probably familiar with applications like WordPad, Notepad, Calculator and Paint, to name a few. Many of the Linux applications have names like GIMP, an acronym that stands for Graphics Image Manipulation Program. It would not jump out at you that this is a Photoshop clone, would it? So, you will have to invest time into exploring the applications to see what they do. The good news is there will be LOTS of them. Ultimately, you may have to tweak the menu system so that you can find what you want.

OK, the next thing we will consider is your skill level. If you are the kind of user that expects to be able to buy something off the shelf and have it work, then Linux is not for you. Linux often requires a number of tweaks to make it work properly. However, if you are the kind of user that would throw the manual away, click a link to see what it would do, or take your box apart to see what is in there, then Linux might just be for you.

It will help if you are comfortable working with a DOS prompt. Most of the things Linux can do are more easily done from a prompt. In fact, most of the people I know have XWindows installed just to get a terminal window. Then there are the Unix commands. They are the kind of commands that only a geek would love. Consider some of the names: grep, ls, mv, cp, ps, vi.

Lastly, what is your goal for your Linux system? Do you want to replace your Windows system? Or perhaps you just want to play around a bit. This last is where we lose the folks who are more Windows oriented. If you do not have a commitment to Linux, you won't be inclined to wade through the setup and will just forget about it.

**Are you ready** to take the plunge? OK then, there are still a few things to consider. Do you buy one of the packaged distributions or do you take advantage of the free software available at the Installfest. What kind of machine will you be using and what do you want it to do? How old is that machine? Do you have enough hardware? Memory? Processor?

Linux is famous for being "free". However, you may want to invest in one of the packaged distributions. They run around \$75. What is the difference? Well, often the commercial distributions will include tools and software that is not available for free. For instance, you might get StarOffice with all its templates and art as opposed to OpenOffice. It may come with special tools that will help with the installation and upgrade. Most important, the boxed distributions come with HELP! This help is in the form of a manual and on-call technical support. This may be worth the money right here.

That doesn't mean you can't make things work with the available distributions at the Installfest. They often come with a large amount of Open Source software. If you are willing to regularly attend SIG meetings, you can learn all you may need to know (or at least where to find it). In the long run though, you would probably be more motivated to work with something that you have money invested in. Either way, bring your software or not. It can all be installed at the Installfest.

Next we will consider some of the choices you may want to make about what to install Linux on. Linux was originally written to run on a 386 machine with 4 MB of memory and you can still run it on that kind of machine, in theory. However, just like Windows, as ability has been added, so has the level of machine that Linux runs best on. Most of the package distributions require at least a Pentium level machine with 64 MB of memory. If you want to be able to install and run with a minimum of tweaking, you should have standard hardware, known components, and as much memory as you can afford (Linux is a memory hog). You can get by with about 6 GB of disk space for everything that comes with your distribution.

Next, will you run Linux on a stand-alone machine or will it share a system with Windows? The ideal system will run Linux and only Linux. However, many cannot afford a whole system for Linux so they share the machine with Windows. OK, do you use removable hard disks and swap them (ideal), or must you have both Windows and Linux on the same hard disk. Windows just does not do well with other operating systems on the same machine. That doesn't mean you can't do it, it just

*(Continued on page 18)*

## RESIDENTIAL INTERNET SERVICES

### DMA® Member Discount

**\$12.50** per month  
when paid annually

Unlimited Dial-up internet access + 5 Email Addresses  
Newsgroups, Shell Account, Personal Web Space, and more!  
FREE Setup!!! FREE One-Week Demo!!! FREE Support!!!

### “Refer a Friend”

#### Earn Free Service!

Earn one month of free service for each person you refer  
Help your non-technical friends get great internet service  
Earn even more by referring business to GEMAIR

### GEMAIR LITE

**\$9.95** per month  
payable quarterly or annually

Limited Dial-up (15 hr/mo) internet + 5 Email Addresses  
Great for seniors, internet beginners, and those on a tight  
Limited Dial-up (15 hr/mo) internet + 5 Email Addresses

### “Bring Your Own Access”

**\$4.95** per month  
payable quarterly or annually

2 Email Addresses, Web Space, Shell Account., and more!  
Keep your GEMAIR email address forever!  
Help support “DMA®’s ISP” even if you switch to broadband

## BUSINESS INTERNET SERVICES

### Web Site Design - NEW!

New sites as low as **\$49.95** \*  
\* restrictions apply

Let the experts at GEMAIR design your new web site  
We can also update your existing site to improve performance  
Call for details and a custom quote for your design project

### Web Hosting

**\$22.92** per month  
when paid annually

Let the experts at GEMAIR host your company’s web site  
We feature state-of-the-art Unix/Apache web servers.  
Domain Name Registration as low as \$22.50 per year!

### Office Connect Plans

Plans start at **\$29.95** per month

Dial-up internet and email addresses for your entire office  
Connect your entire business network for one low price  
Single-user plans starting at \$17.95 per month

### All-in-One Plans

Plans start at **\$29.95** per month

Dial-up internet and personalized email for your entire office  
Web site hosting and domain email included!  
Start using [you@yourcompany.com](mailto:you@yourcompany.com) and [www.yourcompany.com](http://www.yourcompany.com)

**DMA® Membership Application/Renewal (only one person per form, please)**  
**PLEASE ALLOW UP TO THREE WEEKS FOR APPLICATION PROCESSING AND INTERNET SET-UP**

**1** Name: \_\_\_\_\_ Birth date: \_\_\_\_/\_\_\_\_/\_\_\_\_  
mo. day yr.

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ - \_\_\_\_\_

Phone: (Home) (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_ Phone: (Work) (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_ x \_\_\_\_\_

I wish to have my name and address published in the club roster: YES ☐ NO ☐ E-mail address \_\_\_\_\_

Name of DMA® member who recruited me: \_\_\_\_\_ (only new regular memberships)

Current or recent DMA® Member: Yes ☐ No ☐ Change of Address Only ☐ Today's date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Membership number (from your *DataBus* mailing label) \_\_\_\_\_

**Type of Membership**

Application is for: New Membership ☐ Membership Renewal ☐ Associate Membership\* ☐ Internet Service ☐

If applying for free student membership, please give school name and student ID number: Available **only** for students under 22 years old.

School Name: \_\_\_\_\_ Student ID#: \_\_\_\_\_

\* A family associate membership is for an additional membership for a member of your immediate family that is living in the member's household. If this is a family associate membership, give name of regular member: \_\_\_\_\_

**2**

**Dues/Fees**

(Dues and Fees are subject to change without prior notice)

*Note: A \$10.00 fee will be charged  
for all returned checks.*

Membership (one year - New or Renewal)	1.) <input type="checkbox"/> <b>\$25</b>
Family Associate Membership (must live at same address as regular member)	2.) <input type="checkbox"/> <b>\$12.50</b>
Free* Student Membership	3.) <input type="checkbox"/> <b>FREE</b> *for students under 22 years of age
Please assign me a user ID for E-mail and Usenet news access	4.) <input type="checkbox"/> <b>\$10</b> one-time setup fee for new accounts.
Total - - - Lines (1 or 2) (+4 if checked)	= 5.) \$ _____

**Please complete sections 1 & 2 of this form. Make your check payable to DMA®, - Dayton Microcomputer Association, Inc.**  
**then send the check and application to: ----- PO Box 340402**  
**Beavercreek, OH 45434-0402**

**DMA® Use only:** Membership # \_\_\_\_\_ Exp. Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ Processed by: \_\_\_\_\_ REV: 02Jun2003

**3**

**Internet Service Application**

**Modems at 910-0006 settings 8-N-1**

Optional

The **Internet Service Application**, along with terms and conditions of use, is now available online on DMA®'s web site.

Please read, print, sign and include the Internet Service Terms and Conditions agreement from the URL

<http://www.dma.org/dmapub-user-agreement.html>

with your membership application if you are also establishing an Internet service account through DMA®.



# The Deals Guy

## Bob "The Cheapskate" Click,

### Greater Orlando Computer User Group



#### \*To Clarify Things

Last month I mentioned that according to AARP's analysis, their tax person had made a mistake on my tax return and the TaxAct return I had done was correct. I simply said that anybody can make a mistake and thought that meant I certainly understood the situation. After all, when somebody becomes perfect, I'd like to take his or her classes on how to get perfect. Anyway, I received e-mail saying I had denigrated the AARP volunteers. That was not my intention since they are doing a very good service, and free professional help is very hard to find. I simply mentioned what happened to me. I've heard from several AARP volunteers across the country and they want you to know they are there to help, and it is a good service. I thank those very busy volunteers for their efforts because they could be working in their own office making good money during the time they are helping others for "free." Understand that there are limitations on how complicated your taxes can be to use their free service. If you need tax help next year, contact your local AARP chapter for availability.

For your own information, AARP also offers defensive driving courses that save money on auto insurance with some companies. It will save my wife and I over \$90 with our insurance company every six months, after we take the course. Defensive driving courses are also available from the National Safety Council in some cities. If your auto insurance company gives a discount for that, they can give you numbers to call for your area.

#### \*Watch That Power Rating

Some are aware of the recall on APC uninterruptible power supplies. I bought a APC 350 VA UPS a while

back and thought I was having problems with it recently. I called APC tech support to see if mine was affected by the recall (turns out it was) and the guy started asking me about what I had plugged into it. I had my 900 MHz Athlon desktop computer, my NEC XE21 monitor, my DSL modem and my Linksys router on it. He then told me my unit would not be covered under the recall because it had been overloaded. He offered me a special deal below wholesale (his words) for a new one (much larger).

When I questioned him further, he said that my 350 VA UPS would only handle about 280 watts and my computer's power supply alone is 350 watts (rating). Considering all that, he said I would need at least a 700 VA unit, and probably more. I was never aware that just a computer and monitor alone would overload that UPS. I was under the impression that the 350 VA only had to do with how long it would support your computer after the power went down. Live and learn. Looks like I need to spend a lot more money. I'm telling you this so you'll be aware. In the past though, I used a 600 VA UPS for several years with no problem. According to his analysis, it would have been much too small. I have since found that my problem was not with the UPS, but instead was a defective power cord. Moving it seemed to get things working again and I thought it was the UPS's plugs. I finally tried a new power cord, which solved the problem. I also have a different brand UPS now.

#### \*Another Warning

This is for you folks who love downloading music files. It is rumored that someone (I won't quote the entire rumor) is putting poisoned files on file

sharing sites. Those poisoned files could damage your computer's file system, causing you to lose all your data, and Winamp vulnerabilities, check out [ [http://www.winxpnews.com/rd/rd.cfm?id=030121SE-WiMP\\_Winamp](http://www.winxpnews.com/rd/rd.cfm?id=030121SE-WiMP_Winamp) ] to find out more. Maybe your Antivirus software will now check for that virus, but find out for sure.

#### \*TeleZapper Update

Recently I included a tip from the Dayton Microcomputer Association's *The DataBus* about how to cope with telemarketers by downloading a sound file etc. The April issue of *The DataBus* published an update (too lengthy to print here) about how the telemarketers are fighting back with a new product. The author, George Gibbs, thinks it is not an immediate threat to the TeleZappers, but you can see what is happening by taking a look on my site for his article titled "Telemarketers Trump TeleZappers." It is on the Other Articles page on my Web site [ <http://www.dealsguy.com> ]. From what George says, it also sounds like even with the new Federal "Do not call" list; there are many loopholes. I think the spam problem is the worst though.

#### \*Let's Shrink It

While reading the DATA BUS, newsletter for SouthEastern Michigan Computer Organization, I saw the special for PicoZip at a 40% discount. I e-mailed Christopher Tan, the developer, asking if I could have the same special for the column and he was happy to oblige. PicoZip is a file com-

(Continued on page 18)

## The Deals Guy — (Cont.)

*(Continued from page 17)*

pression utility that Supports ACE, ARC, ARJ, BH, CAB, GZ, JAR, LHA, LZH, RAR, TAR, TGZ, Z, ZIP, ZOO, XXE and UUE file formats. (Whew, I never heard of some of them) I understand it is a full-featured automated backup tool. Also comes with lifetime free upgrades.

To get a better explanation of this product, check the Web site [ <http://www.picozip.com> ]. The normal price for PicoZip is \$24.95, but my readers can get it for only \$14.95 by using the special coupon code "PZDEALSGUY" when you access the special URL [ <http://www.picozip.com/coupon/coupon.php?couponid=PZDEALSGUY> ] to order. This offer is valid through August 31, 2003. File size is about 2.59 MB.

There is a review for PicoZip posted on my Web site on the Other Articles/Reviews page written by Franz Breidenich of SEMCO.

### **\*Need a Web Host?**

Matt McCann needs no introduction to all of you. You have seen Matt in action many times doing presentations for your users group, and they were always memorable. Matt is offering something new, hosting for your Web site, and e-mail. According to his e-mail announcement, you can register your domain name for just \$9.95 per year, or transfer your present domain name for the same including a one-year extension. Not bad! Web hosting is as low as \$5.95 per month including one free e-mail account.

Check it out at [ <http://www.webhostinganddomains.net> ]

for more information and pricing. I have been friends with Matt for many years and have confidence in the product he sells. I wish him the best with this new product. There are cheaper deals for this service, but we all know Matt well.

**That's it for this month.** Meet me here again next month if your editor permits. This column is written to make user group members aware of special offers I have found or arranged, and my comments should not be interpreted to encourage, or discourage, the purchase of any products, no matter how enthused I might sound. Bob (The Cheapskate) Click [Bobclick@mindspring.com]. Visit my Web site at [ <http://www.dealsguy.com> ] for past columns. I have also been busy putting up some interesting new articles on my Web site, so take a look.

## - To Linux, or not to Linux.... (Cont.) -

*(Continued from page 14)*

means you may have to work harder. If your skill level is lower, you will probably do better at installing Linux on a standalone or swappable disk. If you must install everything on one disk, do your Windows install first, and then install Linux. Linux comes with a couple of tools to manage and partition drives, or you may want to invest in programs like System Commander or Partition Magic. People at the Installfest can help you to get your system set up with either. OH, if this is your regular production machine, BACK UP YOUR EXISTING DATA! Some people have tried to install Linux and ended up wiping out the entire disk. BACK UP EVERYTHING!!!!!!

What? You thought you could just use your 386 with a 40 MB hard drive and 4 MB of RAM that's sitting at the bottom of your closet? Well,

don't throw it away. You can install a bare bones Linux OS with no bells and whistles. What you can't do is install XWindows and pretty graphics. You can still do a lot with it. Consider using it as a print server, mail server, or a firewall. (A 486 might be a better choice though.)

You just bought the latest and greatest thing? Well, it may be a good idea to wait a couple of months. Linux developers have to wait for hardware to be released for drivers to be written for it. So you may find that Linux is a little behind the state of the art.

Want to make sure you can install Linux on your machine? Or maybe you are just not sure you want to take the plunge completely yet. Consider getting a KNOPPIX CD. KNOPPIX is a single CD distribution that runs on the CD drive and doesn't touch

your hard drive. If your hardware is all detected by KNOPPIX, then you can be confident that the Linux installs will find your hardware. You will also know if you have the patience to deal with some of Linux's idiosyncrasies. You can download KNOPPIX at <http://www.knopper.net/knoppix/index-en.html>. Choose the Order/Download link. Download sites are at the bottom of the page.

Even if you're just curious, consider coming out to the next Installfest. It will be held at the Russ Engineering Center at Wright State University, July 13, 2003, from noon to 6 p.m. There will be plenty to do. Presentations will be given and members will have their systems set up. You will definitely get something out of it.

See you there!

§

# Helpline: Computer Resource People

DMA®'s Helpline listing below lists members who are willing to accept occasional telephone calls at home to give free assistance to **other DMA® members (only)** when they have a problem with a particular software or computing concept.

Will **you** please consider signing up, like those good people below, if only on a trial basis? Call George Gibbs (937-429-9072) or Edwin Davidson (937-294-8524), or email us at Editor@dma.org. Everyone has a particular program or game, or ability with certain hardware they know pretty well. Maybe you use it all day at work, or all night at play, or recently installed a board or upgraded your PC, etc. This makes you more knowledgeable than someone who has not yet used that software or installed that hardware and you could possibly be a great help in solving a problem of another DMA® member. Or perhaps you write programs in certain languages, or are a developer, networker, webmaster, or use search tools skillfully, etc., and their questions would be easy for you. The field of possibilities is nearly unlimited.

You choose the time(s) and day(s) you can provide assistance, and the subject. We'll ask the caller to be ready to provide his/her membership number (on the back of each DataBus) to you; to respect your stated times; and to keep inquiries to a minimum.

**Callers:** Please be prepared to give the Helpline volunteer your membership number; DMA® membership has its privileges! Please do not ask for assistance outside of the stated times. If you reach a telephone answering machine, leave a message, as many people screen calls or otherwise prioritize their time. E-mail addresses are provided so that you can contact them if you have trouble getting in touch via telephone. (Remuneration may be appropriate when a member spends a longer than normal time providing help.)

Problem with this?	Call Member:	Times:	Phone No.	Days	Email addresses:
Apple Macintosh, FrontPage98	John Driggers	9am-2 p.m.	800-227-9597 x5870	M-F	johndriggers@sprint mail.com
PowerPoint, Internet Basics	Carol Esch	6-7:30 p.m.	339-0202	M-F	eschc@dma.org
MS Publisher	Bob Esch	4-7 p.m.	339-0202	M-F	eschb@dma.org
QuickBooks	John Friedenbach	7-9 p.m.	294-8113	M-F	jlfriedenb@aol.com
MS Word	Carol Gudorf	7-9 p.m.	606-363-0690	M-F	gudorf@dma.org
MS Word/Excel/Access/Works	Doug Johnson	7-9 p.m.	252-7991	M-F	johnson@dma.org
Investment Clubs	Hank Pesa	7-9 p.m.	435-1146	M-F	pesa@erinet.com
MS Office, Word/Excel/PwrPt; MS Works, Internet Searching	Millie Tanner	7-9 p.m.	513-489-7273	M-W-F Sat. & Sun.	tannercm@fuse.net
Windows 98 + Internet	Gary Turner	9 am - 9 pm	253-5090	Tue.-Sat.	turnerg@dma.org
Routers, Hubs, Switches (Cisco)	Ron Wagner	before 9 p.m.	W - 264-7244 H - 698-4854	M-F	wagner@dma.org
Oracle Database (sql / pl-sql), CADD (Microstation in particular) use and application development, C/Java/ C++ programming, Enterprise Integration	Jerry Walter	—	Use email.	—	gwalter1@woh.rr.com
Serial/Parallel Ports	Verne Wiese	7-9 p.m.	429-2969	M-F	vwiese@dma.org
Linux	Don Corbett	9 am - 9 pm	604-8793	M-F	Thelinuxguy@gemair.com
What is your specialty?	Your Name Here				

## - More Benefits of Being a DMA® Member -

*Just look at the many money-saving member benefits listed below!* If you manage or own a company or store, or know of one that would like to join in attracting DMA® customers, please contact Carol Ewing, ewingc@dma.org or 937-667-3259. As a Board Member, Carol is always listed on page 2 of The DataBus. Discounts are printed in The DataBus every month. They are also on the web site, [www.dma.org](http://www.dma.org)

For more information on any of these discounts, call the store or email Carol Ewing - ewingc@dma.org..

Members MUST show their current membership card\* to receive any discounts. Please check The DataBus each month for new and even more exciting discounts for our members. NOTE: Discounts are subject to change without prior notice.

- **Books & Co.** 350 E. Stroop Rd.  
937-298-6540 Kettering, OH 45429  
[www.booksandco.com](http://www.booksandco.com)

**20% off** computer books ONLY. This discount does not apply to any other books, any magazines, or any other items in the store. Please take computer book purchases to the regular cash registers, not Special Orders Desk.

- **Borders Books Music & Cafe**  
2040 Miamisburg-Centerville Rd., Dayton, OH 45459  
937-434-3800  
Discount of **20%** on computer books (except NET books). Please remind them DMA® is on their "Corporate Listing"

- **Dayton's Original Pizza Factory**  
1101 Wayne Avenue, Dayton, OH  
937-224-4477  
Discount is **10% off** any pizza order, and  
Discount of **20% off** any pizza order over \$50.00  
Not valid with any other discount coupon or offer.

- **Dorothy Lane Market** [www.dorothylane.com](http://www.dorothylane.com)  
Oakwood Washington Square Springboro  
2710 Far Hills Ave. 6177 Far Hills Ave. 740 N. Main St.  
Dayton, OH 45419 Dayton, OH 45459 Springboro, OH 45066  
937-299-3561 937-434-1294 937-748-6800

Go to the DMA® web site for information on how to sign up. You will be mailed a free Club DLM card to receive store discounts. Use your Club DLM card with EVERY purchase to receive special offers. The Club DLM card is also honored at other participating retailers. DMA® can get up to a 1% rebate on your purchases. DMA® Charity # 518.

- **Fairborn Camera & Video**  
14 E Main St Fairborn, OH 45324  
937-878-4392 [faircam@erinet.com](mailto:faircam@erinet.com)  
**10% off** digital camera accessories when purchased with any digital camera or digital camcorder. Valid through 5-31-2004.

- **GEMAIR, Inc. (See ad on page 15.)**  
2555 S. Dixie Hwy, Suite 102, Kettering, OH 45419-1532  
937-913-0083 or 877-443-6247 (toll free)  
[www.gemair.com](http://www.gemair.com) **Special DMA® member rate** \$149.95 annually (equivalent to \$12.50 / month).

- **Microsoft Press Books**  
**20% off**, all DMA® members:  
a) Visit <http://mspress.microsoft.com> b) Select a book.  
c) Call 1-800-MSPRESS d) Give them the code MCPC  
(indicating you are a User Group member).

- **PC Club Ohio** - [www.pcclub.com](http://www.pcclub.com)  
291 N. Springboro Pike 2602 Colonel Glenn Highway  
Miamisburg, OH 45342 Fairborn, OH 45324  
937-434-3888 937-427-8808

**5% off** any regular priced product. Expires 5-1-04.

- **CompUSA** [www.compusabusiness.com](http://www.compusabusiness.com)  
221 N. Springboro Pike, Dayton, OH 45449  
937-436-7239 Valid thru 9-30-03  
Call Marty White or stop at Corporate Desk, M-F 8-6.  
Order pickup other hours at the Customer Service Desk.  
Computers - Lower of: **10% over cost** or shelf price  
Software - Lower of: **15% over cost** or shelf price  
Accessories - Lower of: **10% under retail** or shelf price  
Training - **\$149.00** (reg. \$199) course voucher

- **The Mac Depot**  
2025 E. Dorothy Lane, Kettering, OH 45420  
937-643-2667  
Save **25%** off Macintosh Computer Repair.  
Discount applies to labor charges only; excludes parts.
- Maximum discount is \$25.00 Valid through 31 Dec. 2003

- **Ohio Custom Computer**  
1866 S. Maple Ave. Fairborn, OH 45324  
937-879-9650 [www.ohiocomputer.com](http://www.ohiocomputer.com)  
**5% off** regular priced items - valid through 12-2003.

- **Sam's Club** **Sam's Club**  
6955 Miller Lane 1111 Miamisburg-Centerville Rd.  
Dayton, OH 45414 Dayton, OH 45459  
937-454-6200 937-436-0299  
[www.samsclub.com](http://www.samsclub.com)

DMA® membership card qualifies you to receive an Advantage Membership for \$35.00. This is for you & anyone in your household. *But they must live at the same address as the DMA® member.* Call Sam's Club, identifying yourself as a DMA® member, for information on their specials of the current month.

- **Nuclear Computers**  
6333 N. Dixie Dr.  
Dayton, OH 45414 [nuclearcomputers@hotmail.com](mailto:nuclearcomputers@hotmail.com)  
937-264-8260  
**10% off** labor bill over one (1) hour in Shop.

**If you have a question or problem with a Benefit Discount Store, contact Carol Ewing. DO NOT HASSLE THE STORE !**

Be sure to mention you learned about these discounts in *The DataBus*.

*\*For membership card, send a SASE to: DMA® Membership, PO Box 4005, Dayton, OH 45401-4005*



## - DMA® Member Benefits - Page 2! -

*It was just a matter of time before we had to start **Page 2!** Check out these newest additions to your member benefits.*

If you manage or own a company or store, or know of one that would like to join in attracting DMA® customers, please contact Carol Ewing, ewingc@dma.org or 937-667-3259. As a Board Member, Carol is always listed on page 2 of The DataBus. Discounts are printed in The DataBus every month. They are also on the web site, www.dma.org.

For more information on any of these discounts, call the store or email Carol Ewing - ewingc@dma.org..

Members MUST show their current membership card to receive any discounts. Please check The DataBus each month for new and even more exciting discounts for our members. NOTE: Discounts are subject to change without prior notice.

- **Click Camera & Video**

Nine area locations - see [www.clickcamera.com](http://www.clickcamera.com)

**10% off** digital camera accessories with purchase of any digital camera or digital camcorder.

**10% off** prints from digital cameras.

Not valid with any other coupons or offers.

Valid through 12-31-2003.

- **O'Reilly & Associates** - [www.oreilly.com](http://www.oreilly.com)

Members get 20%\* off any O'Reilly book they purchase directly from O'Reilly. Just use code DSUG when ordering.

**NEW!**

\*Group purchases with better discounts are available

- **Down Home Dreams** - [www.dhd-emb.com](http://www.dhd-emb.com)

433 Troy St.

[www.embroiderydreamers.com](http://www.embroiderydreamers.com)

Dayton, OH 45404

937-224-4586

**10% off** all regular priced items to DMA® members.

**25% off** all regular priced items to DMA® members who are also members of the Digital Textiles SIG.

May not be combined with other offers.

- **Another great member discount will be coming to this space soon.**

\*\*\* Watch for it! \*\*\*



**GEMAIR<sup>INC</sup>**  
... making the Internet work for you



Green Eyed Monster Advanced Intergalactic Relay

For more information  
Call (937) 913-0083 Locally

## Welcome to our newest DMA® members

May your association with DMA® bring you many new friends, be enjoyable, informative & entertaining. Introduce yourselves to those around you when you attend our meetings. Any questions?

Since the June 2003 issue of *The DataBus*

Last Name	First Name	City
Reid	Thomas	Dayton

(Sometimes additional new members who indicated they did not want their names published, but none this month, are not listed.)

If you would like to automatically receive occasional mailings describing the upcoming meeting topic and other timely DMA® news, simply place "subscribe dma-announce" (without the quotes) in an email message area and send that message to: [majordomo@dma.org](mailto:majordomo@dma.org)

## - Certification SIG Focus on Linux+ -

by George Ewing

DMA®'s Certification SIG has changed training gears and is now studying for CompTia's Linux+.

We have enrolled 50 people with the study materials for the training. At our first two sessions, we had 33 and 31 people respectively in attendance. Why not all 50? Well, since we meet twice a month, some of the members attend just the Tuesdays, some the Wednesdays, some both and others are doing it remotely. All are learning, and that is the purpose of the Certification SIG.

As we progress in our studies, we plan on having some guest 'trainers' from the Linux SIG to make learning more 'fun'. Several of the topics we will be covering include: Planning the Im-

plementation, Installation, Configuration, Administration, System Maintenance, Troubleshooting, Identify, Install and Maintain System Hardware. For more information, visit <http://www.comptia.org/certification/linux/objectives.asp> to see the objectives we'll be studying.

DMA®'s Certification SIG meets the 2nd Tuesday and the 4th Wednesday of each month, 7 PM, at 119 Valley St, Dayton. See <http://www.dma.org/to-us.html> for directions.

We look forward to seeing you at one or more of our SIG meetings.

George Ewing & George Lee  
Email: [certsig@dma.org](mailto:certsig@dma.org)  
<http://www.dma.org/certification/>

***Congrats  
John  
Friedenbach  
Volunteer of  
the month  
June***

## - Are You Infected? -

by Bob Esch, Editor Emeritus, The DataBus

All, I'm sure you've heard that Sobig-infected and Fizzer-infected messages are spreading worldwide at an unprecedented pace. The inescapable conclusion:

Many of you folks may be infected with these worms. Here's how, in a minute right now, you can check your computer.

Right-click Start and choose Explore. Double-click Programs, then double-click Startup.

If you see any file in there with a name in the form ????.exe (such as Cti.exe or Cyee.exe), you may be infected with Bugbear.B. Perfectly legitimate programs will also be in your \Startup folder, so don't panic. But if you have a file in \Startup that you don't recognize, run to < <http://securityresponse.symantec.com/avcenter/venc/data/w32.bugbear.b@mm.html> > and check your system. NOW.

Look in your Windows folder (probably c:\Windows) for files named

ISERV.C.EXE or ISERV.C.DLL or MSCVB32.EXE.

If you see ISERV.C.EXE or ISERV.C.DLL, you are infected with Fizzer. Hit F-Prot's Web site, <http://www.f-prot.com/virusinfo/descriptions/fizzer.html>, and run the disinfectant.

If you see MSCVB32.EXE in your \Windows folder, you're infected with Sobig. Hit Symantec's Web site, < <http://securityresponse.symantec.com/avcenter/venc/data/w32.sobig.c@mm.html> > and run the disinfectant.

All three of these viruses/worms travel in many different ways - so-called "blended threat" malware - but the most common point of entry to any network is via an infected email attachment (or an infected file in a Kazaa shared folder).

The file name extension on the attachment - .EXE, .PIF, .SCR or .COM is a dead giveaway. Providing Windows shows you file name extensions, of

course. Windows should show file name extensions by default, but XP doesn't. Everybody - that is \*everybody\* - needs to see file name extensions, and understand the implications of double-clicking on files with potentially destructive file names.

How to make Windows Explorer show the file extensions? Simple. Right-click Start and choose Explore. Left-click on your C:/ drive icon and look in the right-side pane below the folders. [The filenames should also show their extensions, like xxxx.exe.]

If they don't, go to the pull-down menu at the top called Tools, then click on Folder Options, then the View tab. Uncheck the box<sup>†</sup> in front of 'Hide Extensions for Known File Types', then click on Apply and OK.

<sup>†</sup>(While there, do yourself a favor and put a check in the box in front of 'Display the full path in the address bar' if it is not already checked.)

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# - DMA® Board Minutes - May 5, 2003 -

by Carol Ewing DMA® Board Secretary

## **DMA® Board of Trustees Meeting** May 5, 2003

**Call to Order** by Lisa Singh at 7:08 P.M.

### **Trustees and Officers present:**

Carolann Lemen, Carol Ewing, Leah Day, Millard Mier, Gary Mullins, Gary Turner, John Friedenbach, Lisa Singh. Don Corbet arrived at 9:15 p.m.

**Visitors present:** George Ewing, Randy Young, Dave Smith, Peter Hess, Ed Davidson.

**Recognition of Visitors:** George Ewing requested to add an agenda item under New Business. Lisa approved.

### **Officers Reports:**

**President-** Lisa Singh. Retreat summary including the "housekeeping rules" is under old business. Center for Non-Profit Resources (CNR) has a Board Watch program that matches board members with non-profits in the area, non-DMA® members requires a by-laws change. Lisa is planning to resign from the DMA® Board of Trustees in October to pursue her professional development, increase business and development of on-line learning and training.

**Vice-President-** Gary Mullins. Went to a few SIG meetings, hopes to attend more this month.

**Secretary-** Carol Ewing. We received APCUG Jerry's Awards replacement check for OTAP. On the third Monday of every month, the DDN Business Section, Groups/Meetings, will list our DMA® General Meeting. Randy and Lisa will do National Christina Foundation paperwork. Motion to accept the April Board minutes by Gary Mullins, 2nd Millard Mier. Yes-6, No-0, Abstain-0.

**Treasurer-** John Friedenbach. Financial reports sent Sunday. The accountant will file a 990 extension. Lisa

wants the review process started again. Our net worth from 4-02 to 4-03 decreased considerably. Carol Ewing will get prices for the bonding of officers, contact Smith Barney. Need to update Bank One signature card.

### **Committee Reports:**

**Membership-** Carol Ewing. April meeting: we had 102 attend, 2 guests. 4 full renewals and 2 associates. Membership is 847. She sent emails (post cards if no email) to guests since Jan, welcome new members, thank you to all 3 yr renewals inviting all to Microsoft meeting. She needs info sheet on each SIG, OTAP & Computerfest®, got new GEMAIR sheets, for New Member bag and guest packets. Notified members who were prorated seven months (\$15) to send \$10 balance for a full year credit, per board request. She wants a committee meeting after Publication Committee results. Dave Lundy sent a membership question to the Board. Gary Turner and Carol Ewing were the only ones who responded. She said the Board MUST respond to ANY request to the Board! Carolann made a motion, Gary T 2nd, to send the newsletter to expiring memberships during the grace period. Yes-5, No-0, Abstain-1. Gary T suggested a resolution interpretation of by-laws grace period.

**Computerfest-** Gary Mullins. Second meeting is 5/22, going okay.

**GEMAIR, Inc.-** John Friedenbach. Had financial reports. Lisa has a committee, Millard as chairman, to research future GEMAIR plans. Randy Young set up a meeting Tues AM with Northern SIG and GEMAIR discussing Computerfest® and Hara on communications resources. Gary Mullins, Computerfest® Co-Chairman was not aware of it and cannot attend.

**Programs-** Lisa Singh. May-open, June-Intel, July-open, Aug-Gene Barlow, Sept-Elections, Oct-open, Nov-open, Dec-no meeting. It was decided

that the May meeting will be a question & answer, SIG & committee reports, etc. Lisa and Randy will do write-up and plan meeting.

**OTAP-** Randy Young. Will get more involved now, plan to clean out storage lockers. He will have a proposal draft for June. Kettering Moraine School order filled.

**Nominating Committee-** George Ewing. Per Bylaws a monthly notice is in The DataBus until Sept on Trustee openings, will have write-up in June newsletter.

**StreaminGiant Contract-** Gary Turner. They are working on a very extensive revision. Attorney is \$150 per hour (non-profits), about 2-3 hours. Plan to have contract for Board in June. George Ewing complimented the committee on working extremely well together. Peter Hess said it has renewed and increased his respect for committee people (Peter, George, Lisa and Gary T). A motion by Gary Turner, 2nd Leah Day, to allocate \$750 toward legal firm for opinion of contract. Yes-6, No-0, Abstain-0.

**Publication Committee-** Don Corbet. He will be late, report tabled until arrival.

**Building Usage-** George Ewing. Wants status on Certification SIG cabinet floor space request. He will ask Apple to move their cabinet toward the front wall. Apple SIG asked several months ago for temporary storage space. A motion by Gary Mullins, 2nd Millard, to approve cabinet space for George (Certification SIG) and give Apple SIG 30 days to remove their equipment. Yes-5, No-0, Abstain-1.

Break 8:30 P.M. to 8:45 P.M.

**5-3-03 Board Retreat-** Lisa Singh. Lisa talked about the retreat. Motion

(Continued on page 24)

## - Minutes of May 5, 2003 (Cont.) -

*(Continued from page 23)*

by Gary Mullins, 2nd Millard, to adopt the housekeeping rules as defined at Retreat and to be published in The DataBus. Yes-6, No-0, Abstain-0.

The secretary will put rules in the newsletter. A copy of rules kept for official record. Millard made motion, 2<sup>nd</sup> Carolann to accept the Treasurer resolution for John Friedenbach to be DMA® Treasurer and Computerfest® Fall 2003 Controller. Gary T said one person used to do both jobs. Yes-6, No-0, Abstain-0. Lisa formed an Ad-Hoc committee with her, Randy Young, Lillian Rudolph and Don Corbet to research possibilities of a DMA® Executive Director.

**Full disclosure-** Lisa Singh. Millard Mier will combine the current Code of Ethics Policy with a Conflict of Interest proposal by June.

**Volunteer of Month-** Lisa Singh. Anyone can nominate a volunteer of the month. Named John Friedenbach, by written ballot.

### **New Business:**

John Friedenbach forgot this in Treasurer report. A motion by Millard Mier, 2nd Gary M, to withdraw \$2,000.00

out of DMA® into Computerfest® now, deposit \$10,000.00 from Smith Barney into DMA®, transfer \$8,000.00 to Computerfest®. Yes-6, No-0, Abstain-0.

**CompTIA membership-** George Ewing. We can join CompTIA for \$150 (out of leftover money) and every Certification SIG member (not all DMA® members) can buy reduced cost exam vouchers, have written proposal for June. Possible Computerfest® participation. He will contact VUE on a DMA® testing center.

**Publication Committee-** Don Corbet. No meeting this month. Ed Davidson had Adobe info, have report next month. DMA® and Computerfest® need a copy, approx \$200. Millard said Don needed answer on if "the primary purpose of the newsletter is internal info or external publicity"? Carol E said, again, it is internal and for member's information. Jim Rowe's agenda item on newsletter in "members only" web site area and GEMAIR clients access will be in next month report.

9:30 P.M. **Executive Session-** Lisa Singh.

9:45 P.M. out of Executive Session.

Carolann Lemen turned in Building and Treasurer office keys to Secretary.

### **Good of the Order:**

Carolann Lemen- meeting went a lot better, weird vibes.

Carol Ewing- good housekeeping rules, great retreat.

Leah Day- glad of housekeeping rules, smooth meeting

Gary Turner- sorry missed retreat, nice meeting, reasonable time limits

John Friedenbach- smooth meeting, pricing new long distance carriers.

Lisa Singh- asked if visitors would like to speak.

George Ewing- nice meeting, wants on Computerfest® SPC committee.

Randy Young- good meeting

Ed Davidson- Yeah, we are out early.

Lisa Singh- add George Ewing to Computerfest® SPC committee.

Motion by Millard Mier, Don Corbet 2nd, to adjourn. Yes-7, No-0, Abstain-0.

**Meeting adjourned at 9:50 P.M.**

Carol Ewing.  
Secretary, DMA®

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## - GEMAIR is Looking For Volunteers -

GEMAIR is searching for volunteers with the necessary technical skills to assist us in putting together a New Setup CD. This project could look extremely good on a technical resumé and may be a great way for underemployed IT pros to stay sharp.

The easiest way to do this (easy for me to say...) would probably involve using the Internet Explorer Administration Kit to install the latest I.E. version from CD and then using Visual Basic to detect and set up I.E. and Outlook Ex-

press for the user. The downside of this is that it forces all users who install from the CD to use Internet Explorer.

Another option would be to use an HTML/JavaScript-drive set of menus to determine the user's current default browser and then direct them either to an installation page to install the latest version of that browser or to a setup page with HTML setup instructions on how to configure their current browser.

Therefore, we need individuals who are skilled in either Visual Basic and/or JavaScript. Any knowledge of the Internet Explorer Administration Kit (IEAK) or the Netscape Client Customization Kit (CCK) would also be welcomed.

For more information or to express an interest in helping, **please contact:**

John Friedenbach  
GEMAIR President,  
[johnf@gemair.com](mailto:johnf@gemair.com)



## - Volunteers Needed -

**Volunteer Coordinator.**— Someone who will help coordinate volunteers for Computerfest®, Heartland Regional conference and other groups and events DMA® puts together over the year.

**Program Director** — Do you like the monthly meetings? Have you ever thought “I wish we would get these people in to give a demonstration of some software.”? If you like talking on the phone and getting more information about your favorite software, this could be the position for you.

**Board members** — for GEMAIR Inc. Your club-owned local ISP and web hosting green-eyed monster is in need of guidance as we move into competition with high speed Internet, low cost dial-up, and other Internet realities. Do you have ideas to help guide the direction GEMAIR, Inc. needs to take to meet the needs of the club ?

**President of GEMAIR Inc.**— John Friedenbach is stepping down and would like to get someone who can take over the responsibilities of making executive decisions for GEMAIR. You should be able to handle the fiscal responsibilities of payroll and other logical duties as needed.

**Fundraising Committee Members** — Are you good at raising money? Would you like to try? We are looking to find other ways to fund our yearly expenses. Computerfest® is no longer keeping up with our expenses. We need people who can help the club raise new funding.

Write to us here at *The DataBus* if you are interested in any of these DMA® positions, to [Editor@dma.org](mailto:Editor@dma.org), or write to a board member that you know, as they are listed on page two. You can also come to the monthly meetings, or possibly the board meeting. See Calendar on page 28 for other events.

## - Member News -

Congratulations and a tip of the DMA® cap to recent Graham graduate, **Jennifer Bodey** (Fall 2003 Computerfest® Volunteer Committee Co-Chairman). Jennifer, a member of the National Honor Society, will be going to Ohio State this fall to study Psychology. Her sister, **Elizabeth Bodey** (Spring 2003 Computerfest® Volunteer Committee Chairman and Fall 2003 Computerfest® Volunteer Committee Co-Chairman), will start her Junior year this August at the University of Findlay where she is majoring in Veterinary studies. We wish both of them good luck in their academic careers and beyond.

We'd also like to recognize and congratulate two other DMA® members who recently got married, **Steve Reiss** and **Juanita Weaver-Reiss**. Best wishes and may you both have many happy years ahead of you!

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## Map courtesy of Millard Mier III, DMA®

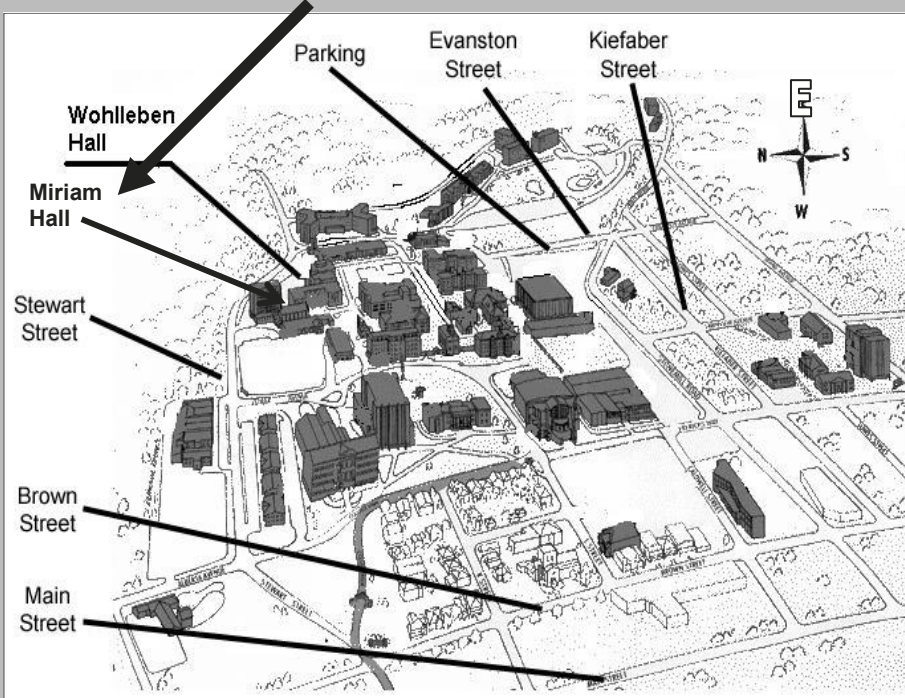
### Location Change!

We're back at U.D.'s **Miriam Hall**, again in **O'Leary Auditorium**, .....and still the last Tuesday of each month.

However, you should know that Gary Mullins and others are looking into alternate locations (due to the fact that it appears we may outgrow O'Leary Auditorium in the near future.)

Add'l directions online at: <http://www.dma.org/to-us.html>

Note the change in DMA®'s monthly General Meeting location!



## - Amateur Radio SIG -

A meeting of the DMA® Amateur Radio SIG was scheduled for Tuesday, June 3<sup>rd</sup> at 119 Valley St. They expected an exciting meeting week with Field Day just a few weeks away and 'warmer weather' approaching. Steven Coy, K8UD, was to present a video on building your own Yagi antennas. He planned to have some handouts and to bring several antennas he has built. We also talked about Hamvention and what people thought and bought. Also if you know of any Hamfest coming up, bring the details and share.

As of now, I do not have a topic for our July 8th meeting. Any ideas? If you have any suggestions for future meetings, please email or call me.

For more info, send an email to [k8dma@dma.org](mailto:k8dma@dma.org) or call George Ewing, WD8NHI at 937-667-3259. All DMA SIG meetings are free and everyone is welcome to attend.

## Digital Photography SIG

*By Millard Mier*

The July meeting of the Digital Photography SIG promises to be a great meeting for the beginner! Our topic will be "Buzzwords: What was the salesman talking about?". The group will put its heads together and, in a discussion format, discuss what words such as "megapixel", "lux" and "digital delay" really mean. We will attempt to de-

mystify the jargon used by salesmen when selling digital still and video cameras. It will be a great place to learn new terms, and will be particularly useful to members who are still contemplating their first camera purchase.

The meeting will be held at 206 Fawcett Hall at Wright State University on Thursday July 10<sup>th</sup> at 7:00 pm. Please note that this meeting is one week later in the month than normal due to the holiday. Parking is available in the visitors lot at WSU (just follow the signs on campus). After parking, cross the street one crosswalk to the west of the entrance to the visitors parking, keep going straight (north) and you will pass between Allyn and Rike Halls. Fawcett Hall will be straight ahead of you at the end of the Quad.



Jessica Corbet at last month's Pizza SIG Gathering.

"The Movie" from the May meeting is now online at [www.dma.org](http://www.dma.org). Just click on SIGs and select the Digital Photography SIG. Note: you will need the DIVX codec (available at [www.divx.com](http://www.divx.com)) and a video player (such as Windows Media Player) to view the movie.

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## Pizza SIG

**Marion's**

Piazza

Pizza Party  
Sponsored by  
Dayton Microcomputer Association, Inc.  
Tuesday, June 24, 2003  
Marion's Piazza  
711 Shroyer Road  
(937) 293-6991

Ticket good ONLY  
**June 24, 2003**  
From 8:30 pm – Closing  
Pizzas, Sandwiches &  
Spaghetti ONLY  
Eat In or Carry Out  
**Please present this Ticket  
when Ordering**

As many of you know, DMA®'s Pizza SIG meets after every General Membership meeting. We have been meeting at the Marion's Piazza located at 711 Shroyer Road in Oakwood. Marion's Piazza has started a new program where, if you purchase pizzas, sandwiches or spaghetti AND use the SPECIAL Coupon (at left) when ordering, DMA® will receive up to 20% of the amount of your food purchase.

We know some of you don't get a chance to come to the meeting but still like to join us at the SIG meeting. We can NOT distribute these coupons at the restaurant so be sure to bring this one. We will also have coupons available at the meeting.

## DMA® Trustee Nominations

Each year at the September General Membership meeting, the membership of DMA® elects three new Trustees. We start accepting nominations on June 1, 2003 and will close them on August 31, 2003. The three Trustees elected will each serve for a three year term. The four DMA® Officer positions are each for a one year term and are elected by the Trustees.

If you or someone you know is interested in one of these positions, please contact the Nominations Committee at [elections@dma.org](mailto:elections@dma.org) or call George Ewing at (937) 667-3259.

# Additional Area User Groups

**This list is provided as a service to anyone looking for a group supporting a particular computer, operating system, etc.**

**These user groups are not directly associated with DMA®. See page 4 for a list of DMA®'s Special Interest (SIG) Groups & their meeting times.**

If you know of a user group which would like to have their meeting schedule listed here, send details or a current newsletter to:

EDITOR, DMA®'s *The DataBus*

DAYTON MICROCOMPUTER ASSOC.  
119 Valley St.  
Dayton, OH 45401-4005

**ACM** - Association for Computing Machinery holds monthly dinner meetings, dinner 6:30 PM, 7:30 p.m. speaker. Contact Marie Hreha (937) 435-7822

**AITP** - Association of Information Technology Professionals (formerly DPMA) meets the 2nd Thursday each month. Holds dinner meetings at the Antioch Shrine Temple at 107 E. First St, Dayton [1st & Jefferson]. Contact Jim Stryker (937) 865-6800x2599 for details.

**AMITECH AMIGA USERS GROUP** - (AMIGA-DAYTON has merged with this group.) Meets the third Saturday of the month at 1:30 PM at the Huber Heights Library. A Programming SIG will meet after the general meeting. Soft drinks/snacks will be provided. Contact Ron Schwartz, (937) 434-2144.

**BDPA** - The Black Data Processing Associates is made up of data processing entrepreneurs, managers, and employees. Their objective is to accumulate d.p. knowledge and business experience to strengthen the expertise and broaden the data processing knowledge of the minority data processing community as a whole. Contact Denia Byndon 937-455-0373.

**CCCC** - Cincinnati Commodore Computer Club meets the third Sunday of the month at 2:00 PM at the School of the Nativity, Norwood, OH. For more info call Ed Gase at (513) 829-0942.

**CCS** - Columbus Computer Society holds two meetings per month: the second Monday (at Chemical Abstracts) and the Wednesday nine days later (OCLC). 6:30 p.m. - New member orientation; 7pm General meeting. For further information, contact their Information line at (614) 447-0227.

**CINTUG** - Cincinnati TriState Users Group meets the 2nd Saturday at Messiah Lutheran Church. Go South from Forest Fair Mall on Winton Road and turn left on Lakeview Dr. (on the north side of Winton Lake) then left on Bossi Lane. Contact Terry Ferguson at (937) 825-2505 for more information.

**CPCUG** - Cincinnati Personal Computer Users Group meets the second Monday of the month at 7pm in the auditorium of the Cincinnati State College - Evendale Branch at 10100 Reading Road. For more information call (513)333-6777 or [www.cincypcug.org](http://www.cincypcug.org) on the web.

**DACUG** - Dayton Area Computer Users Group meets the second Saturday of each month at 3:00 P.M. at the Moraine Civic Center in Moraine. Contact Mona Spurgeon at (937)298-6743.

**DAYTON.PM** - A group for programmers of all levels who use Perl. Meetings: 2nd Wed. of each month. Website at [????????.pm.org](http://????????.pm.org) or contact: [eric.smith@b2.wpaafb.af.mil](mailto:eric.smith@b2.wpaafb.af.mil)

**DACW** - Dayton Advocates for Computing Women, meets the 4th Mon. of ea. mo. Oct-May, (except Dec.) at the Stockyards Inn. Networking is at 5:30, 6 PM dinner, 7 PM speaker. Contact Chris Zurbuchen 227-9500x303(days), 767-1043(evenings) or [dacwweb@yahoo.com](mailto:dacwweb@yahoo.com)

**DECUS** - the Digital Equipment Computer Users Society is the world's largest volunteer-run computer users organization focused on a single vendor. The Greater Dayton Local Users Group Chapter meets the last Tuesday of every month.

Contact: Jim Poltrone (937) 438-0140

**IEEE** - The Computer Society of IEEE meets third Thursday of each month from 11:30- 12:30 during lunch (can vary). Bring own lunch. Meetings are held at TASC, across from Wright State University.

Contact Bret Givens at (937) 255-8635.

**NASAC** (Xenia PC users group) – meets 7pm on 2nd Thursdays in at Library, 76 E. Market St., (1/2 block E. of Detroit St / RT.68), behind Police Dept, downtown. Visit our website at [www.nasac.org](http://www.nasac.org) for details.

**TMG/ The MAC Group** - is an Apple Corp. authorized Macintosh User Group. Meets: 2nd Saturday of each month at Kettering Arts Building 2900 Acosta St., Kettering. from 10:00 AM to 12:30 PM. More information? Call (937) 293-6980.

## Mailing Label Explanation:

If this issue was mailed to you, you will see your membership number (left) and your membership expiration date (right) are on the line above your name.

If it wasn't mailed to you, it only costs \$25.00 per year to be kept up-to-date with DMA® news and with our next speaker/presentation.

To become a member, simply fill out the application at the center of this issue and mail it to the address on the back cover.



# DMA® Events for June 22 - August 02, 2003

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<i>Jun 22</i>	<i>Jun 23</i> 2:00 PM OTAP	<i>Jun 24</i> <b>Main Meeting</b> 7:30 PM O'Leary Auditorium, Miriam Hall	<i>Jun 25</i> <b>Certification</b> 7:15 PM 119 Valley 2:00 PM OTAP	<i>Jun 26</i>	<i>Jun 27</i> 2:00 PM OTAP	<i>Jun 28</i> 12 PM "On Technology" <b>12 PM Northern SIG</b> Edison College, Piqua
<i>Jun 29</i>  <i>The DataBus deadline is the 1st day of each month.</i>	<i>Jun 30</i> 2:00 PM OTAP	<i>Jul 1</i> <b>Amateur Radio SIG</b> 7:00 PM 119 Valley	<i>Jul 2</i> 2:00 PM OTAP	<i>Jul 3</i>	<i>Jul 4</i> <b>Independence Day</b> 2:00 PM OTAP 	<i>Jul 5</i> <b>8:30 AM OTAP</b> 12 PM "On Technology" <b>3:00 PM Classic Computers</b>
<i>Jul 6</i>	<i>Jul 7</i> <b>Board of Directors</b> 7:00 PM 119 Valley 2:00 PM OTAP	<i>Jul 8</i> <b>Network &amp; Certification</b> 7:00 PM 119 Valley	<i>Jul 9</i> <b>Perl Mongers</b> 7:00 PM 119 Valley 2:00 PM OTAP	<i>Jul 10</i> <b>Digital Photography Software Development</b>	<i>Jul 11</i> 2:00 PM OTAP	<i>Jul 12</i> <b>8:30 AM OTAP</b> 12 PM "On Technology"
<i>Jul 13</i> <b>Linux Installfest</b> Noon-6 Russ Engr. Ctr., WSU	<i>Jul 14</i> 2:00 PM OTAP	<i>Jul 15</i> <b>Gaming SIG</b> 7:00 PM on-line	<i>Jul 16</i> 2:00 PM OTAP	<i>Jul 17</i> <b>Digital Textiles</b> 7:00 PM 119 Valley <b>Linux / Unix</b> 7:00 PM Rm 150 Russ Engr Ctr, WSU	<i>Jul 18</i> 2:00 PM OTAP	<i>Jul 19</i> <b>8:30 AM OTAP</b> 12 PM "On Technology" 2:00 PM OTAP Board <b>3:00 PM Classic Computers</b>
<i>Jul 20</i>	<i>Jul 21</i> <b>Apple SIG</b> 7:00 PM 119 Valley <b>Venture Crew</b> 7:00 Oak Creek UCC 2:00 PM OTAP	<i>Jul 22</i>	<i>Jul 23</i> <b>Certification</b> 7:15 PM 119 Valley 2:00 PM OTAP	<i>Jul 24</i>	<i>Jul 25</i> 2:00 PM OTAP	<i>Jul 26</i> 12 PM "On Technology" <b>12 PM Northern SIG</b> Edison College, Piqua
<i>Jul 27</i>  <i>The DataBus deadline is the 1st day of each month.</i>	<i>Jul 28</i> 2:00 PM OTAP	<i>Jul 29</i> <b>Main Meeting</b> 7:30 PM O'Leary Auditorium, Miriam Hall	<i>Jul 30</i> 2:00 PM OTAP	<i>Jul 31</i>	<i>Aug 1</i> 2:00 PM OTAP	<i>Aug 2</i> <b>8:30 AM OTAP</b> 12 PM "On Technology" <b>3:00 PM Classic Computers</b>

**Remember:** •DMA® General Meeting is June 24 in O'Leary Auditorium, Miriam Hall



•Send membership applications & renewals to PO Box 340402, Beavercreek, OH

Dayton Microcomputer Association, Inc.  
PO Box 340402  
Beavercreek OH 45434-0402



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