

Monitor

<http://www.cpcug.org/>
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The magazine of the **Capital PC User Group, Inc.**, a nonprofit organization of “Users Helping Users”

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Help! My Computer is Doing Strange Things!

How many times have we said those words? I know I have – many times, sometimes under my breath, sometimes to the skies above, and sometimes (thank you!) to a calm, helpful voice at the other end of the phone line — a savior from the Capital PC User Group Helpline!

At times my problems were caused by user error; other times by a “feature” of the software program. I’ve always been warmly welcomed, listened to, and responded to with suggestions on how to get my errant computer back in line.

CPCUG Maryland Vice President Marilyn Weinstein agrees: “Any time I’ve called anyone on the help line, they’re always very nice, always listen, always willing to try. Even if they don’t know the solution, they give you several things to start with, to get you on the right track. In the middle of trying to get out a paper for a class, my laser printer would not work. I tried all the tricks I knew, and then I called someone on the CPCUG Helpline. He had me try different things, none of which worked, so then he told me to disconnect the printer and reconnect it. I did. It worked! He saved the day, so I was able to turn in my paper. Other times I call just for reinforcement to make sure I’m

not doing something that will mess up my computer.”

Get Help

What a wonderful benefit of CPCUG membership. Free help! From knowledgeable people! About all those weird computer things that drive most of us crazy. If you haven’t yet made use of the CPCUG Helpline, keep it in mind the next time you can’t easily figure out how to do something on your computer.

Give Help

CPCUG’s motto is “Users Helping Users.” Can you help others? Do you have computer skills you’re willing to share? You don’t have to be an expert. You don’t have to be a computer guru. All you have to be is willing to share your knowledge with other computer users.

You choose how people contact you – by phone or by e-mail – and the hours and/or days of the week you’re available. To sign up, contact Helpline Coordinator Elliott Fein at elliott.fein@erols.com or via snail mail at 5 Carter Court, Rockville, MD 20852-1005, providing your membership number, subject(s), phone number and/or e-mail address, and days and times available.

Susan Kousek, Editor, CPCUG Monitor

Interested in teaching a class for CPCUG?

Please complete the form on the inside cover and send it to Training Director Heidi Lamont.

Do you want to share your knowledge ... but can't make a regular commitment?

YOU CAN CHANGE LIVES BY TEACHING FOR CPCUG!

We are now recruiting teachers in many topic areas—complete and send in this form to learn more.

I would consider teaching in *(check all that apply)*

Maryland Virginia DC this site: _____

I would consider teaching *(check all that apply)*

M-F daytime M-F evenings Saturdays Sundays

I have these special requirements:

My preference is teaching *(rank from 1-3, 1 being your first choice)*

- Career professionals who are familiar with computers and who want to advance their knowledge of software/hardware
- Senior citizens who may not be familiar with computers and who want to find good web resources and email friends
- Community members who speak English as a second language, work in blue-collar environments, and would like to move into office professional work

Besides English, I speak *(check all that apply)*

Spanish fluently a bit _____ fluently a bit
 Vietnamese fluently a bit I can sign to the hearing-impaired fluently a bit

I would feel comfortable teaching *(check all that apply)*

- | | |
|--|---|
| <input type="checkbox"/> Word <input type="checkbox"/> beginner <input type="checkbox"/> advanced | <input type="checkbox"/> Quicken <input type="checkbox"/> beginner <input type="checkbox"/> advanced |
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| <input type="checkbox"/> Norton Anti-Virus <input type="checkbox"/> beginner <input type="checkbox"/> advanced | |

Your Name _____

Phone (____) _____ Fax (____) _____ Cell (____) _____

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Address _____ City _____ State _____ Zip _____

Please (1) mail this form to Heidi Lamont, Training Director, Capital PC User Group, 19209 Mt. Airey Road, Brookeville, MD 20833. (2) email a brief summary (100-200 words or less, in paragraph format) of your qualifications—including any professional teaching experience (use your name as the filename!) — to training@cpcug.org. Be sure to include your full name in your email. We will contact you to discuss details and upcoming classes that you may be interested in teaching.

Register to Take a CPCUG Training Class

Most classes cost:
\$29-\$35 member fee
\$39-\$45 non-member fee

Classes Listed at
<http://www.cpcug.net/training.asp>

Click *SEARCH CLASSES* to search by location

Two Training Centers: Annandale, VA, and Fort Washington, MD

Register for Annandale classes online
or by calling the CPCUG Office at 301-762-9372

Register for Harmony Hall (Fort Washington) classes
by calling 301-203-6040

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19209 Mt. Airey Road,
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CPCUG Home Page
<http://www.cpcug.org/>

Get more
out of your
membership
in the
Capital PC
User Group—
Become a
VOLUNTEER!

Contact a member of
CPCUG's Board of
Directors — all are
listed on this page,
most offer a choice
of e-mail or phone
contact information.

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Future SIGs

If you're interested
in starting a SIG,
please contact
CPCUG President
Dennis Courtney at
president@cpug.org.

The Internet SIG is
inactive. If you're
interested in helping
reactivate this
important SIG,
please contact Gabe
Goldberg at
gabe@gabegold.com.

CPCUG is looking
for a few good men
— and women. Can
you donate a few
hours each week to
help improve our
group? Call
301-762-9372!

Monitor is your publication. If you would like to discuss an idea for an article or column, please contact the Editor at editor@cpcug.org. Our style guide is at:

<http://www.cpcug.org/user/monitor/Monstyle.html>.

Publication Submissions

Guidelines. Be sure to put each graphic (200-dpi TIF format preferred) and table in a separate file—do not include text, graphics, and tables together in one file. If you prefer to include everything in one file, please send each table and graphic separately in addition. Include your name, e-mail address, and day and evening telephone numbers at the top of your article so we can contact you if we have questions.

Submittal. Send articles as zipped file attachments to editor@cpcug.org, with copy to admin@cpcug.org. In the body of your message, include the names of files attached and the software formats of each. Or you may send articles in ASCII text format directly in the body of an e-mail message.

Conditions. Articles must be received at least 30 days before publication. All articles are subject to editing. Articles accepted for publication in the print version of the *Monitor* will also appear in the Internet Web pages of the *Monitor*.

Subscription Problems ?

Please call (301) 762-9372 or send an e-mail message to admin@cpcug.org.

Address Changes. Please send change of address notices with current phone numbers to the Capital PC User Group, Attn.: Membership Director, 19209 Mt. Airey Road, Brookeville, MD 20833, or via e-mail to admin@cpcug.org. *Monitor* is not forwarded unless you have made special arrangements with your Post Office.

Renewals. One renewal notice is sent. You may renew your membership by sending your check for \$42 (\$78 for 2 years; \$110 for 3 years) along with your mailing label to the address above. Be sure to correct your mailing label if any of the information has changed, and always include your current phone numbers and membership number.

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CPCUG News & Events

Two Training Locations!

UHU (Users Helping Users) Annandale, VA

The CPCUG Training Classroom in Annandale, VA, has 12 PCs on a LAN.

Room 305

Annandale United Methodist Church

6935 Columbia Pike

Annandale, VA 22003

Please call (301) 762-9372 to register for Annandale (UHU).

Harmony Hall Fort Washington, MD

The CPCUG Training Classroom in Ft. Washington, MD, has 10 PCs on a LAN.

Computer Room (2nd floor)

Harmony Hall Regional Center

10701 Livingston Road

Fort Washington, MD 20744

Please call (301) 203-6040 to register for Harmony Hall (HHC) classes.

Directions to both locations at:
<http://www.cpcug.net/directions.asp>

General Meeting Locations

CPCUG General Meetings are held in Bethesda at the Bethesda Chevy Chase Services Center (BCCSC), in Northern Virginia at Interstate Van Lines in Springfield, or in Washington, DC at the Martin Luther King Library. See the listing at the right for each meeting's location.

Upcoming General Meeting Topics

Meeting location varies; please check below

Monday, October 13 (Columbus Day) (7:00 pm) Control Your E-mail

Speaker: Susan Kousek, Owner, Balanced Spaces™, LLC.

Professional organizer and computer instructor Susan Kousek will present tips and techniques to control and organize your e-mail messages. Instead of being overwhelmed by hundreds (or thousands) of messages, you'll be able to find the messages you need, get rid of the ones you don't need, clear out the clutter, and be in control of your e-mail.

Location: Bethesda Chevy Chase Services Center (BCCSC)
4805 Edgemoor Lane
(entrance at Plaza Level; Rooms A&B on the 2nd level)
Bethesda, Maryland

Note: Parking (small fee) in building; Bethesda Metro Station across the street

Directions: <http://www.cpcug.org/user/comm/bccsc-dir.html> for detailed directions and parking information

Monday, November 10 (7:00 pm) A Mini-Tutorial on Using Microsoft Access Data Base Application

Speaker: Robert Clemenzi

Databases – What are they and why should you care? They're everywhere – dictionaries, cookbooks, address books, eBay. Most users build databases in MS Word or MS Excel, but they aren't always the best choice – they are basically single user applications and the data is hard to analyze. This presentation will discuss the differences between documents, spreadsheets, and databases and include a demonstration on how to build a simple database with MS Access. The demonstration will include tables, forms and reports.

Location: Interstate Van Lines, 5801 Rolling Road, Springfield, VA
Directions: <http://www.invan.com/contact/directions.htm>

Monday, December 8 (7:00 pm) Our annual Tech Gifts for the Holidays extravaganza

Just in time for the holidays, Toshiba will be demonstrating the latest developments in laptop and notebook computers. They will also be demonstrating other items from their product line such as PocketPCs, digital cameras, and LCD projectors. There will be giveaways and every attendee will receive discounts on Toshiba products.

Location: Bethesda Chevy Chase Services Center (BCCSC)
(see details above)

President's Notes

In last month's President's Notes I ran through a list of people who have worked hard to help make CPCUG the organization that it is. While the list was by no means exhaustive, there were two very conspicuous omissions — not omitted by chance, but omitted so I could devote a little more space to singing their praises individually this month.

They are Communications Director and Entrepreneurs & Consultants Special Interest Group (E&C SIG) Chair Barbara Conn and former DC Area Vice President, Internet SIG Chair, and current Director of Development Gabe Goldberg.

Barbara Conn is one of the innovators among SIG Chairs today. Her E&C SIG is a juggernaut. She does it by snaring a cadre of good speakers who put on consistently good programs and follows that up with a real gift for getting the word out. She works hard on putting together a good SIG presentation and is always willing to try new and different approaches.

Have you noticed that Barb's e-mail messages have renamed SIG Presentations as "TechTalks" or "TechTopics"? That grew out of a discussion about whether we could make our meetings sound a little more like what they are to the average, non-technical or semi-technical person. Unless you've been in a User Group, you might not know what a "SIG" is. That just shows how Barb pays attention to even the smallest details in helping to get her presentation message out.

As for Gabe Goldberg, I marvel at the amount of energy and enthusiasm he has for CPCUG. We have made a LOT of changes in CPCUG over the past three years

and Gabe has been a big part of all that. There is hardly a program we're engaged in that Gabe did not either have the original idea for, volunteered for it himself, got us in contact with an outside partner or recruited someone to lead it. Gabe is such an integral part of the future direction of CPCUG that his worth can hardly be overestimated.

Barb and Gabe are more than just hardworking volunteers. They're great people too. I'm always happy to "hang" with one of them when I get a chance (although Gabe's choice in restaurants scares me sometimes). Both of them are always filled with ideas that they love to talk about. I cannot tell you how many times they have been able to take one of my half-thought-out ideas and either convinced me that it would not work or put some flesh on the idea to make it workable.

Both serve a very special role in keeping CPCUG in contact with the outside world. Barb does it

through her excellent communication skills. She knows how to word her announcements so they'll get picked up by the broader news media. Gabe is just a shameless promoter. He will buttonhole anyone about CPCUG at any time (can we get 20 more just like him?). People large and small cross Gabe's path and he either sends them to CPCUG or at least sells them an Entertainment Book. That's dedication!

I am by no means finished praising the CPCUG "Team." Next month I want to make special mention of another person who is key to CPCUG and about whom I hear a lot of positive comments. This person keeps our lines of communication open and plugs a lot of holes before a problem gets out of hand. This person is someone I fell in love with more than 30 years ago.

Stay tuned...

CPCUG President Dennis Courtney can be reached at president@cpcug.org.



CPCUG President Dennis Courtney talks to CPCUG booth visitors at the NBC4 Digital Edge Expo.



Rich's Ramblings

by Rich Schinnell

Now that the Monitor is going to be published more often, I have gotten the urge to write about some of my opinions and ideas. So here goes.

I have preached many times before: **Please BACKUP BACKUP BACKUP:** Make sure that your data is backed up. (Is that enough reminder?)

With huge hard disks available for so little money, it is beholden on you to make sure when it crashes, and it will, that you have your important data written to some other media. CD-R drives are now less than \$50 and CD-R media around 25 cents each. All of the CD-ROM writers come with basic CD writing software. No excuses.

I am writing this on my way back from New York City where I attended CeBIT, which is the U.S. version of the huge Hanover computer faire held in Germany each year with over 250,000 people attending. I was a bit disappointed at the NYC show due to the low number of vendors and attendees. I guess things are bad all over for vendors.

As with past computer shows I've attended in NYC and Las Vegas, there were a few nice Press Parties. Show Stoppers is one of the premier events. The vendors love the small intimate events so they can communicate with writers and editors. The food is great and the atmosphere is relaxed. I picked up many new goodies at this year's Show Stoppers which was held in the Marriott Marquis hotel in Times Square.

JASC Software, which markets PaintShop Pro (PSP), is one of the many vendors that participate in the

Show Stoppers event. One nice thing about PSP is that you get to try it before you buy it. Of course as always, no graphics program will make you into a graphics artist. Even a klutz like me can create some neat graphics. Give it a shot by downloading the trial version at <http://www.jasc.com>. The trial version is completely free, fully functional, and you can use it for 30 days. You even get free technical support. If the program does what you want, then you just give them a call and they will send you the unlock codes via email. Many places have it for less than \$90 online. All in all, a great program and I recommend it. JASC is a long-time supporter of user groups in general and also of the Association of PC User Groups (APCUG).

Wireless Networking

...or, as they say, WiFi. I have been experimenting with a wireless network in my home for quite a while and have come to the conclusion that WiFi is slowly getting there. I have a wired network (Cat 5 Ethernet wires all over my house) installed so that I can share my Comcast high speed Internet access with my other computers.

Attaching a WAP (wireless access point) into my existing network was pretty easy. There are mostly three flavors of WiFi, 802.11a, b and g. G is supposedly faster than A and A is supposedly faster than B. More B networks and cards are out there than any other. I believe that Starbucks and a few others local access points use the B protocol. Intel's new Centrino chip sets include the B wireless protocol.

It is almost "Plug and Play." I first tried the 802.11b protocol and found that it was okay, as long as I had the access point and the portable

computer with the wireless card within about 50-60 feet of one another. Because CompUSA had the Netgear 802.11g access point and PCMCIA card on sale with a good discount, I gave that a shot. The G is much faster than the B protocol and most G WAPs support both G and B protocols.

I am using Netgear hardware and it is pretty easy to install, set up and use. If you decide to install a wireless network in your business or home, you might want to test locations out before you buy a lot of expensive hardware.

As a caution, wireless networks are vulnerable to your neighbors inviting themselves into your network; therefore I recommend you set up the access point with a little security. The default security settings on the access point unit are wide open. So you need to go in and add an encryption keyword or at least add your known ethernet card address to the WAP so that you and only you can use it. It is pretty easy to configure using any good web browser and will ensure that your network has at least minimal security. If you set up your network correctly, then you should be able to share your high speed internet access.

They sell WAPs which are just a small box that plugs into your existing wired network and broadcasts a wireless signal for you to intercept with your PCMCIA wireless PC card. They also sell wireless network PCI boards so that you can hook up your full size computer as well as PCMCIA cards for your laptop. Many of the new laptops that are being sold now come with built-in 802.11b Network access. The Netgear WAP that I purchased supports the B and the G protocols so this is a plus. If I want

to, I can sit on my front porch and have access to the Internet and my home network, which is pretty neat. You can also pick up a wireless router/hub which allows you to run your whole house on wireless.

While I am on this tangent, sprouting up all over many of the major cities are WAPs that you can use for free – well, almost free. Most of the locations that provide this WAP feature have a small brochure that explains how you set up and use it. Just make sure that your laptop hard disk is not available for others to share. :)

Others on the network can see you and if your admin password is blank, you just invited everyone into your computer. Turn share off and set good passwords.

Suggested reading if you're seriously interested in WiFi: go to any of the major hardware vendors such as <http://www.netgear.com> or <http://linksys.com>. Either will have on their web site a lot of information that will help you decide which hardware to purchase based on your needs (remember that people like me are usually on the bleeding edge of hardware). The improvements in WiFi are coming along pretty fast and the prices are dropping. As I write this, the prices for 802.11g WAPs run from \$60 to \$100 based on whose you purchase. Shop around.

Spam Software Offers

These spam messages that offer unbelievable prices on popular software are just that – don't you believe it. Most are just fishing for your credit information so they can use it to scam some company. Look at the real address the messages come from – such as xxx.uk or xxx.ru. Some are famous for this. They offer \$300 worth of software for \$29.95. Would you buy this on the street? Of course not. So if the offer seems to be too good to be true, it sure is.

Unless you like living on the edge, I recommend that you never respond to any offer that you have not solicited. I shop confidently with my credit card online at Amazon, Symantec, CompUSA and other well-known sites. I would never give any company my bank account information, as that is an invitation to some unscrupulous vendor to empty it out. Credit card charges can be protested and most credit card companies will work with you. As always, your mileage may vary.

Rich Schinnell is semi-retired from CPCUG after volunteering for over 20 years. He has assisted with the APCUG fall conferences in various capacities for over 15 years. Rich retired from the USN and Vitro Corporation and still does a bit of small business consulting on interesting projects. He also volunteers at the Centers for the Handicapped (www.chicenters.org), helping them with their computer systems.

Rich can be contacted via e-mail at schinnel@cpcug.org or via phone at (301) 949-9292 for comments on his articles. Many of his past "Rich's Ramblings" articles are available for review at www.schinnell.org. When his four computers at home are not busy, they all run the [seti@home](http://www.setiathome.org) software helping out in the search for communications from space (check it out at www.seti.org/science/setiathome.html).



If you are having problems with your computer hardware or software, why not give the **CPCUG Helpline** a call?

See page 26.

MEMBERS ONLY

Collaboration: CPCUG and Inova Blood Donor Services

by Gabe Goldberg

Just down the street from CPCUG's state-of-the-art Annandale training center is another high-tech community service organization: Inova's Blood Donor Services headquarters (3289 Woodburn Road, Suite 010, just off Gallows Road at the Beltway).

CPCUG and Inova are collaborating by publicizing each others' operations: they'll highlight our classes and we'll encourage members/students to donate blood. Visit <http://www.inova.org/inovapublic.srt/donateblood/index.jsp> for information

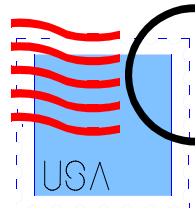
We've all heard appeals for blood donations; the Web site notes that donations are most needed and are in shortest supply around holidays. I encourage CPCUG members living near any of Inova Blood Services' several centers to spend the hour or so it takes to donate a pint of blood. The Annandale Inova office allows walk-in donations and donation by appointment.

The process is hardly bothersome, the people at Inova are top-notch, and they'll give you drinks and sweets when you're done – and you'll feel good about it. Since I live near both the CPCUG training center and the Annandale Blood Services Center, I've been donating regularly, about every eight weeks, the minimum time allowed between donations. I just received my three-gallon pin. I'm glad they didn't take it all at once...

Feedback



Feedback



Thank you for the emails welcoming me as editor of the *Monitor*. I've gotten great feedback from members who are glad to see the *Monitor* back in business!

Have you ordered your 2004 Entertainment Book yet? Gabe is out there selling a lot of books and making money for CPCUG in the process. As Gabe says, this is a win-win situation. CPCUG makes money on every book we sell. And if you go out to eat at all, you'll be able to save a lot of money by using the coupons in the book.

Now, on to some questions I've been getting:

Q. Why do all of the CPCUG meetings take place in Maryland?

A. That's changing! We're happy to announce that Virginia is the venue for:

– The re-activated VA SIG (September 15 featured tips on using Microsoft Office software), and

– The November 10 General Meeting featuring Robert Clemenzi and Microsoft Access

General Meetings will be held in Bethesda, MD; in Springfield, VA; and in Washington, DC, at the Martin Luther King Library. The October and December General Meetings will be in Bethesda. Check the calendar for future dates in DC and VA.

Send your questions and comments to:
editor@cpcug.org

Q. What is the difference between www.cpcug.org and cpcug.net?

A. The first site, www.cpcug.org, is our web site for the public. The second site, www.cpcug.net, is our web site for members. Here you can:

- update your member information,
- get information about vendor discounts (hardware, computer magazines, 20% on O'Reilly books),
- renew your CPCUG membership online and get one month free,
- find a member who lives near you if you're looking for someone to share a ride to a CPCUG event,
- get a link to maps for CPCUG meeting and event locations.

Q. How do you access the Members Only section of www.cpcug.net?

A. Click Member Login in the Membership section on the left of the screen. Enter your CPCUG Member ID and your password. If you don't know your Member ID and password, you can find them on the mailing label of last month's (September 2003) *Monitor* or you can contact the CPCUG office (admin@cpcug.org).

Susan Kousek, Editor
editor@cpcug.org

Susan Kousek, owner of Balanced Spaces™, LLC, is a professional organizer who loves helping people get their "stuff" under control. She also teaches workshops and gives presentations on organizing, does computer training, and a little writing and editing. She can be reached at skousek@cpcug.org.

Entertainment Book 2004! Support CPCUG & Get Great Savings

When you purchase an Entertainment Book through CPCUG, you're helping a great cause and giving yourself a valuable gift – half-off and two-for-one savings all over town! Make even more money for CPCUG by selling the books yourself.

Both local books (MD/DC and VA/DC versions) have hundreds, maybe thousands, of discounts. Many are two-for-one dining, but many more provide discounts on money routinely spent – travel (airline, hotel, auto), dry cleaning, movies/theatre/sports, car repair, etc. Using a couple discounts recovers the book's cost. Using a couple discounts per month – not hard to do – saves hundreds of dollars in a year.

We're selling the *2004* book, with discounts starting now through November 1, 2004. We can also take orders for books for major cities throughout North America.

Contact Gabe Goldberg at gabegold.com

Or buy at Entertainment.com/support and enter account # 534389

Only \$35

For a list of meeting site location codes and addresses, please see the inside back cover of the *Monitor*.

Microletter #137

by Paul Shapiro



DosTalk: Those Autoexec and Config Files in XP

In Microletter #131 (February 2002) I discussed my encounter with the autoexec.bat file in Windows Millennium. Now it's time to move forward to Windows XP, which may be more flexible.

CPCUG member Nelson M. Seese e-mailed me a few questions about Windows XP that I never could have answered over the phone:

- 1) Can autoexec.nt and config.nt be used the same way as autoexec.bat and config.sys were in older versions of MS DOS?
- 2) load the ansi.sys file?
- 3) use a PATH statement?
- 4) create a RAM drive?
- 5) find a book that will help?

My answers to these are:

- 1) Yes. Use as appropriate an autoexec or config file to handle a program. Name as autoexec1.nt, autoexec2.net...config1.net ... etc. for more than one autoexec and config file.
- 2) Yes. Add a line such as device=C:\windows\system32\ansi.sys to your config.nt file.
- 3) Yes. In XP DOS, type *help/more* to get a descriptive index of all DOS commands, and *[command name] /?* to get a detailed explanation of usage including new parameters often not available with older DOS.
- 4) With larger size hard drives it is easy to create a small partition or a

folder (say, C:\surplus) to be the equivalent of a ram drive. Instead of shutting down the usual way, use an idea from a recent *Microletter* (one-click shutdown) to create a batch file called mysdown.bat:

```
RD /S C:\surplus
md C:\surplus
shutdown -s -t 05
```

Refer to that by a desktop icon and click it when ready to shut down. All files in the \surplus directory (including subdirectories and files) will be deleted, along with prompts giving you a second chance. A new empty \surplus directory will be created for your next boot. All you need to do is remember to stuff what you don't want to keep (after shutdown) in the C:\surplus directory. Replace uses of "surplus" by names (and locations) of your choice.

As in older MS-DOS versions, RD is short for RMDIR (remove directory). With the /S option all files and subdirectories of C:\surplus will be deleted and a new empty one created for the next time you boot your computer.

(5) I found some of the answers in the book "Using Microsoft XP Professional," by Robert Cowart and Brian Knittel.

Windows XP's HELP file is a tremendous source of information if you choose the proper keywords.

So much for DosTalk for today.

Image Backup

With hard disks having larger capacities, it's harder to make backups since it requires increasingly more media and time for the backup. The only thing that has not changed is the need for backups!

What often happens when an operating system is upgraded is that some existing programs just do not

work. This happened again to me when upgrading from Windows Millennium. My Drive Image backup software was useless with Windows XP.

I got a tip from CPCUG member gone West, Wayne Johanssen, who moved to Sunnyvale, California last fall. He told me about a program called Acronis True Image, and the price was right if you had an earlier version of Ghost, an imaging program. So I went to the web site and ordered my copy:

<http://www.globalshareware.com/Utilities/Backup/Acronis-True-Image-6-0-Promotional-Edition.htm>

The program lets you back up to other drives, zip drives, CDs, and even 3.5" disks. I like it because I can also back up to my USB external drive. It is very easy to use.

If I had reservations about ordering the program, the web pages

<http://www.acronis.com/products/trueimage/screenshots.html>

completely convinced me. (Avoid lengthy typing with a Google search on "Acronis tour.") This online tour, complete with graphics, screen displays, and imbedded links, makes it a joy to wade through and unnecessary to include extra description and graphics here. More vendors should advertise their products this way: you get a guided pictorial documentation even before you get serious about buying the product.

And when I wanted to contact a person, which I did over a period of several days, their responses were immediate and to the point.

Paul Shapiro is chairman of the Senior Sig, which meets monthly. His latest computer toy, going on two years, is his digital camera, a product which, like computers, drops in price as the technical features multiply. He can most quickly be reached by e-mail, pauls@cpcug.org.

Capital PC User Group Recognizes Young Computer Scientists

by Walt Houser

CPCUG recognized another excellent group of young computer scientists at its June 9 General Meeting.

Since 1996 the Capital PC User Group has honored deserving young computer scientists for their outstanding science fair projects. CPCUG President Dennis Courtney presented the awards including plaques, \$50 savings bonds, and one-year CPCUG memberships for special achievement in exploring computer technology.

Before the meeting, the awardees presented project displays to CPCUG members. We were impressed by the intelligence and enthusiasm of these young people. They have much to teach us about their explorations in Computer Science. We have also invited these young scientists to send us electronic copies of their papers for inclusion on the CPCUG Web Server and synopses in the Monitor. You can read some of them at <http://www.cpcug.org/user/scifair/2003/index.html>

It's challenging to understand and assess the projects and rewarding to see these young people doing such good work. This program is an excellent way to bring new and energetic members into CPCUG. Moreover, the awards provide CPCUG with positive visibility with the scientifically literate families of the Washington DC area.

If you would like to see your jurisdiction included in next year's effort, please contact CPCUG Science Fair Coordinator Walt Houser at <http://www.cpcug.org/user/houser/houser.html>.

Participating schools, computer scientists, and their projects, included:

From the Prince George's Science and Engineering Fair judged by Peggy Ireland:

Sean Harder, Hyattsville Middle School, ***Flocking Helps Artificial Life***

Sarah Bates, Eleanor Roosevelt High School, ***Optimization of Satellite Orbits: Through the Magnetosphere***

From the Loudoun County Science and Engineering Fair judged by George Herbert:

Brian Pinkham, Stone Bridge High School, ***Robots to the Rescue: The Effect of Sensor Type on the Detection of Life Signs***

Kyle Baugher, Loudoun County High School, ***Time Slice Modeling of Particle Collisions***

From the Montgomery Area Science and Engineering Fair judged by George Liao and Charles (Rusty) Romaine:

Joshua Chang, Montgomery Blair High School, ***A Deterministic Model of a Synthetic Quantum Gate***

Alexander Sverdlov, Montgomery Blair High School, ***Location of Orthologs by Cluster Analysis (LOCA) Procedure – a New Tool to Classify Evolutionary Relations of Proteins***

Matt McCutchen, Takoma Park Middle School, ***A Comparison of Data Structures: How Quickly Different Data Structures Perform Certain Tasks on Data***

Louis Wasserman, Takoma Park Middle School, ***Network Analysis Using a Visual Basic Program***

From the Northern Virginia Science and Engineering Fair judged by Iris Portny:

Paul Carduner, Yorktown High School, ***SII Isn't Idle***

Cameron Turner, ***Finding the Absolute Upper Limit for Current Intel Pentium 4 Northwood Processor***

The five volunteer CPCUG judges worked hard to select these projects, covering four fairs this year. Our thanks go to judges Peggy Ireland, Iris Portny, George Herbert, Charles (Rusty) Romaine, and George Liao, and also to the CPCUG Board for their invaluable support.

Not clever enough as a kid to get into the County Science Fair, Walt Houser, CPCUG Science Fair Coordinator, convinced the CPCUG Board to send him as the CPCUG Coordinator. The Board gave him a badge which he lost, found, and lost again. Walt writes web pages for a large Federal agency. Any similarity between agency policy and his occasional opinion column in Government Computer News is purely accidental. Walt can be reached at houser@cpcug.org.

Volunteer Judges Needed for 2004 Science Fair

CPCUG member Walt Houser is coordinating this effort, but he needs the help of CPCUG members willing to volunteer as judges. If you want CPCUG to recognize young scientists in your city, county, or region, then contact Walt via e-mail at houser@cpcug.org. The best reward is seeing the excitement on these young faces as they explain their work and get our recognition.

CPCUG Draws a Crowd at NBC4 Digital Edge Expo

by Gary Vaughan

CPCUG's outreach effort was on the move again in September, signing up a total of 33 new members and talking to or sharing information with hundreds more at the NBC4 Digital Edge Expo held at the new Washington Convention Center.

Our special thanks to Dennis Courtney and all of the booth volunteers for their energy and activism in reaching out to the community to tell them what CPCUG offers!



CPCUG Volunteer Wally Lee talks to a prospective member.

This was the third year of the event, hosted by Channel 4's technology reporter, I.J. Hudson. The show features community and corporate groups that can be of help to the DC area digital community.

This year's event included such exhibitors as AOL, Comcast, Intel Computer Clubhouse, and a very busy CPCUG booth. Free seminars at the Expo ranged from nanotechnology and digital cameras to an explanation of PDA basics by our own Shawn Googins and Ray Wiley. During the weekend event, CPCUG volunteer booth staff spread the good news among area PC users about recent upgrades in CPCUG programs and training.



CPCUG Training Director Heidi Lamont welcomes a new member.

Thank You, CPCUG Booth Volunteers!

A fantastic job was done by all ... Tammy Barbee, Dave Barry, Dennis Courtney, Ann Dorsey, Gabe Goldberg, Neal Grotenstein, Merrill Hessell, Fred Holmes, Heidi Lamont, Wally Lee, John McKendrew, Rita J Moy, Paul Shapiro, Marty Shinko, Frank Sokolove, and Henry Whitney.

Special recognition to:

Top Salesman (drum roll please..) – Gabe Goldberg

Rookie of the Year – Tammy Barbee and Rita J Moy (tie)

Purple Heart Award – Heidi Lamont (who came out with a **broken arm**)!

Thank You, CVS!

CPCUG photos at NBC4 were archived on a CD made at the CVS booth's Kodak Digital Order Station.

Check out their Kodak Picture Maker Digital Stations located in CVS stores. You can insert your digital media card and use a simple touch screen to preview and select only the photos you want to print, choose sizes and quantities, and make image enhancements such as red-eye reduction.

The Digital Stations accept CompactFlash cards, SmartMedia, Memory Stick, Secure Digital (SD) and multi-media (MMC) card formats, Picture CDs, and picture disks. Images will print while you shop and be ready for pick-up upon checkout.

Letters to “Late Nite”

Hosted by Marty Shinko

Q03X.0: I got an e-mail message that says ‘run this patch’ to fix some problem on my computer. Should I run it?

AO: NO, don’t run it, ever! It’s likely to be Trojan Horse program that installs a virus or other destructive software on your PC. Instead, initiate all software upgrades yourself — that is, access the Microsoft site directly and follow instructions there to install fixes right from the source!

Q03X.1: How can I avoid getting computer viruses through e-mail messages?

AO: First, make sure your e-mail reader software is set so that it DOES NOT OPEN attachment files automatically! In the past, the rule was also “don’t open attachments from someone you don’t know.” Now you need to be more cautious — don’t open attachments you aren’t expecting, even if they seem to come from a friend. Some viruses can e-mail themselves from a friend’s computer where your e-mail address is stored, or sometimes they can even “spoof” addresses of people you might know.

Most people recognize the file name extension *.EXE as a program (and potential virus), but extensions of *.COM and *.SCR are also programs. Opening an attachment with an extension *.PIF can run a program (and don’t forget *.BAT). Myself, I never use my e-mail software to open an attachment. Instead, I save the attachment as a file and run some other standard software, like Notepad or Wordpad to open the attachment. That way I pick the program to run, rather than having the attachment select the program. I use programs that treat the files they open as strictly data to be displayed.

A corollary is to set the options of your e-mail reader software to display the extensions of attachment files before you open them (even those you’re expecting).

By the way, I think “self-extracting ZIP files” are doomed because of rampant viruses. What I do is copy them onto floppy disks, and run them on another, completely isolated, old computer, then copy the expanded files back onto floppy disks, copy them as data files onto my main computer and scan them before running anything. It’s extra work, but better safe than sorry.

Q03X.2: Any other suggestions for options to set regarding e-mail messages?

AO: I recommend always saving a copy of e-mail messages you sent. If an option to do that isn’t available, you can always include your own e-mail address in the “cc:” portion of the message’s distribution list.

Q03X.3: When I search for topics on the Internet, I’m usually bombarded by an avalanche of irrelevant links — why is that?

AO: Remember learning about Venn diagrams in high school math? Those are the diagrams with overlapping circles that show the relationship between two sets. There’s a big difference between the INTERSECTION of two sets and the UNION of those two sets. The intersection represents only those elements that occur in both sets, while the union represents all the elements that occur in either set.

What you’d like a search engine to do for you is to return the INTERSECTION of all the terms in your search string, not the UNION of them. Often it takes some advanced setting or special syntax to get the

search site to do that. Some are set to return all possible matches to any term in your inquiry by default (on the theory that the more they return, the better, I guess).

For example, if you want to search for a motel in Richmond, VA (remember, there are towns named Richmond in other states too, and a Washington state as well as Washington, DC), you may need to specify a search string of “motel AND Richmond AND VA” to get the INTERSECTION of all those terms. If a search site returns the UNION of those terms — watch out! It will return links to every motel everywhere, everything to do with Richmond everywhere, and everything that has to do with VA, perhaps the state of Virginia, or perhaps the Veterans’ Administration Dept. of US Government. The Internet is also worldwide so there can be spurious matches from places all around the world.

Q03X.4: I’m having lots of problems with my computer. What’s the cheapest way to get everything working?

AO: Come to CPCUG meetings — the General Meeting and most SIG meetings are free and open to all. Come to the Late Nite sessions after the CPCUG General Meetings and let’s talk computers! Join the CPCUG (it’s only \$42/year; that’s cheap for what you can get out of it), so you can call the CPCUG Helpline for help and advice.

Also, consider volunteering to help at CPCUG activities. Most opportunities don’t require in-depth knowledge of computers. Often all that’s needed are typical customer or office-type skills, and you may get to meet some real computer “gurus” who can help guide you through your particular problems.

You can also read computer books and magazines (some are accessible for free at public libraries), and take some computer classes. You can also learn a lot by searching the Internet. This may not be the fastest way to get everything working, though.

Q03X.5: What computer classes would you recommend I take?

A0: A place to start could be with basic keyboarding and mouse skills, but I wouldn't recommend taking extended keyboarding training, unless you plan to do lots of data entry and manuscript typing.

A good next step could be some courses on using Windows software (the operating system), like organizing files and folders. A class about sending e-mail messages is good foundation material. An introductory Internet course is also a worthwhile investment of your time.

Next, identify what software you need to use, the tools for the types of tasks you plan to do with your computer. Then take training classes based on that software. For example, CPCUG offers training on Microsoft Office software: Word, Excel, PowerPoint, Access, etc. There are other productivity software tools out there, and classes for them, too.

The CPCUG Build Team also offers a great seminar on computer hardware, "Before You Buy or Build Your Next Computer" — although this doesn't cover much about how computer hardware works (but come to think of it, you don't really need to know much about how the hardware works to use computers well).

Q03X.6: Where can I take computer classes?

A0: Many organizations offer classes, including CPCUG, Montgomery College, Montgomery County Public Schools, other colleges and public school systems,

and some public library systems. There are other organizations too, like JCA SeniorNet, Byte Back, and others. Ask among CPCUG members; they are involved in many computer training programs. There are also commercial training courses you can take, like at CompUSA. Also, don't overlook the Self-Help or Computer books sections at the bookstore (or the Internet).

Q03X.7: What should I already know about computers in order to take a computer class?

A0: This is like asking "What's the minimum 'computer literacy' that every reasonable, educated person ought to be expected to know?"

I don't like the term "computer literacy" because it implies some sort of alphabet, and there is no computer alphabet like that. I like the analogy of a "savvy traveler" instead — someone who can recognize when something isn't going the way it "should," that something is wrong and that they should get help. Just like no one person has traveled everywhere in the world, no one person knows everything about computers.

It's difficult to make a precise list of some minimum set of facts or concepts needed to use computers. That's like trying to make a list of what everybody should know about geography.

A simple test of computer knowledge would be to read over the descriptions of PCs in ads for new computers in the newspaper — and ask yourself, do you know what those terms mean? (That was the first goal for the course I developed, "Basics of PCs for Very Beginners" — for the student to be able to understand a typical computer ad at the time.)

While teaching that class, I found that everybody seemed to know a few different concepts within the basic set, and that there were terms in the ads that were pure jargon and

flashy advertising, unnecessary trivia, like "ZIF" socket (how often will you be changing the CPU?). I revised the goal of the class to be to bring everyone in the class up to a standard level, establishing a baseline of knowledge (or, by way of analogy, filling in the gaps or "potholes" in their knowledge of computers).

This is similar to "debugging" a computer program — observing and noticing that you're getting a wrong answer, then trying to determine what the problem is: is it wrong input data, the wrong algorithm or procedure, or wrong assumptions. Or were some steps missed or bypassed, is some data missing, etc. (which can all get very complicated). Sometimes teaching an advanced class, where people don't already have any preconceived notions, can be easier than developing a basics class, where you have to ferret out myths and try to undo misconceptions.

Also along those lines, PCs have been around long enough that, in my opinion, programmers ought to know enough by now about how people approach computer tasks, and programmers should be able to anticipate how people think about what they're trying to do, and accommodate the user, rather than the users trying to guess what the programmers may have had in mind when they came up with some obscure, contorted methodology. So if something about computers doesn't make sense to you, don't always assume it's just you — it could be the program that's awkward and backward.

Q03X.8: Why does commanding a computer seem so different from, say teaching a dog a trick, or just plain, ordinary language?

A0: Computer software usually has been written to take things in the opposite order of natural language, for example, the commands "get the ball" or "fetch the stick" are in the

wrong order for a computer. Software is usually set up for the sequence “select object, select operation;” like using the wording “the door, open it.”

Look at word processing software — when commanding the software, you first select the text you wish to change, then select “cut (that)” or “paste (that),” instead of using a command to “cut,” and then specifying the “this” (the text you want cut). Saying “cut this” is the order that you’d likely use in talking to people.

Q03X.9: What’s a good way to learn about computer hardware?

A0: The CPCUG Build Team conducts “Build Your Own PC” for a limited number of people to build their own new PCs from parts they purchase and pay for, with advice from a mentor. This is a good way to learn the trade-offs in selecting components of a PC, but it isn’t cheap — if you’re not ready to purchase parts and assemble your computer from them on the schedule set up by the Build Team, this isn’t for you.

Another alternative is to participate in CPCUG’s Reboot project, where volunteers refurbish old PCs donated to the CPCUG, which are then given to other non-profit organizations.

Right now there isn’t any formal CPCUG activity where members can bring their PCs to a central location and get advice and hands-on help installing hardware or replacing components (or even with installing software or investigating problems through “show and tell” sessions). If you’d like to help start something like that, come to Late Nite and let’s talk about it (or else contact me through this column).

Q03X.10: What particular hardware gives people the most problems?

A0: I’ve heard it said that printers

give people the most trouble, but that may be because almost everybody has to have one, and they aren’t integrated into the computer system unit. That means that every PC has to be designed to connect to any printer, and every printer has to be designed to connect to any PC, a daunting challenge. There are standard interfaces, and with USB connections the situation is improving, but there can still be unexpected glitches.

Here is where it’s evident that learning something about computer hardware (and software) is particularly productive. Printers require “drivers” (software), and special cables, and often make use of 2-way communication, and sometimes signal the user about problems with obscure coded beeps. Without knowing some of the proper terms, a phone conversation trying to get help from a “guru” is nearly hopeless.

Q03X.11: Does it matter if I leave my computer turned on all the time?

A0: Your PC contains disk drives and fans (probably 2 of them) that have bearings that wear out, so the more your computer is turned on, the sooner those bearing will wear out. It’s probably a good idea to turn your computer off if you’re not going to be using it for a long time. Some power management software shuts down the disk drives after a period of being idle, to save the disk bearings. There’s some debate about which is worse, the wear on the drive bearings versus the thermal cycling when a disk drive heats up and cools down when it’s turned on and off.

Some computers turn themselves off after a period of non-use; that’s not the same as being ‘on’ all the time.

Some operating system software seems to have problems when left on all the time. I find that it’s a good idea to shut down Windows software at least once a week, preferably once a day.

There are other things that can wear out with PCs. I’ve been told that surge protectors need to be replaced yearly.

Don’t forget that PCs have batteries in them that last for years but eventually lose their charge (and then the PC loses all its settings).

Q03X.12: Does it make a difference in what order or sequence I turn on components of my computer system?

A0: I recommend turning on the (CRT style) monitor first. It usually draws a surge of current which can affect the current supplied to the system unit during startup, when the CPU is doing its critical power-on self-test (POST). An analogy is what happens in plumbing systems when a toilet is flushed while the shower is running – there can be an unpleasant surge of hot water in the shower when the cold water flow is temporarily diverted.

Q03X.13: Is it better to turn on peripheral devices, like printers and scanners, before turning on the system unit?

A0: Laser printers draw so much power that it might be better to turn those on first, so they don’t cause surges while the PC is running. Otherwise, it should be OK to leave peripheral devices turned off until you need to use them.

There’s also an issue with the “Plug and Play” protocol used by most peripherals; it can be disrupted by noise, and there’s no way to recover without turning off the device. To avoid problems, I suggest keeping peripheral devices turned off until the system unit is turned on and running OK and stable (e.g. with Windows ready to accept user input).

Q03X.14: How can I tell if I’m getting good advice?

A0: Good question! One way is to check with other experts and

compare answers. If the person giving advice suggests that you check with other experts, that's a good sign. Be wary of self-proclaimed experts who suggest drastic measures like "format c:" as a solution to everything (these people used to suggest "replace the CPU" or "replace your computer's motherboard" as the cure for everything).

Another good sign is if your expert admits to the limits of their knowledge, that they're willing to tell you why they think something is so, and what they think are firm conclusions and what are mere speculations. Often it's easy to learn the general rules or formulas, but it takes years of careful study to learn the exceptions. An expert should be aware of what they may not know.

Also, if someone helps you document the configuration of your computer or software for the next time you need help, whether it's for themselves or for anyone else you might call on to help you, they're probably looking after your best interests.

Q03X.15: In the past the CPCUG's Beginners SIG met on weekends instead of during Late Nite. That would be more convenient for me. Could it be changed back to meet on weekends again?

AO: If anyone would like to take charge and organize separate Beginners & Beyond SIG meetings, feel free to step forward at any time. I'll help where I can, and I plan to continue to be involved with beginner issues. Beginners are always welcome at Late Nite sessions after the CPCUG General Meetings (or you can contact me through input to this column).

Q03X.16: How can I help with Late Nite or Beginners & Beyond SIG meetings?

AO: You could help get entries added onto CPCUG's Volunteer

Opportunities Web page, related to Beginners & Beyond SIG, Late Nite, "Letters to Late Nite", and corresponding Mailing Lists.

Then you could help with some of the opportunities listed (see last month's question Q03IX.9, and also the SIG section of the Monitor).

Q03X.17: I'm having lots of problems with my computer. What's the quickest way to get everything working?

AO: Maybe it's time to buy a new computer. See last month's question Q03IX.2. The easiest way to get everything working is also the quickest.

Q03X.18: How can I submit a question to this column?

AO: The channels for asking a question include:

- come to Late Nite after any CPCUG General Meeting and ask it in person

- by e-mail to editor@cpcug.org

- by e-mail to mshinko.cpcug@juno.com (please use plain text, and please don't send *.doc files or attachments)

- call Marty Shinko at (301) 253-1743 (at reasonable hours, please)

Q03X.19: Is that all for this month?

AO: yes, and TTFN,

- Marty Shinko

Marty Shinko has been involved with the CPCUG since the early 1990s, as a volunteer instructor and advocate for beginners. He's used computers for over three decades, from PCs to supercomputers. His interests include sub-atomic physics, astronomy, epistemology, mathematics, engineering simulation and computer modeling, brain psychology, sailboating and amateur radio. He can be reached via e-mail at mshinko.cpcug@juno.com or via phone at (301) 253-1743, or come to the CPCUG General Meetings and meet in person at the "Late Nite" sessions after the meetings.

Got a question, have a problem, need some help with your computer?

Why not try CPCUG Late Nite?

After most General Meetings at 9:00pm - Late Nite

"Late Nite" consists of smaller and more informal gatherings after each General Meeting. In addition to a place for beginners and intermediate computer users to continue to learn how to get more out of their computers, it provides an opportunity to learn more about CPCUG, its benefits, its special interest groups (SIGs) and its training opportunities.

Join us for fun, lively discussion, and computer talk. Experts are welcome to share their insights as well, of course.

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What is New in ColdFusion MX 6.1?

by Michael Smith, TeraTech, <http://www.teratech.com>



What is ColdFusion?

In this article we continue to look at what ColdFusion is and how

you can use it for dynamic website creation. We cover what is new in the latest release of ColdFusion, version MX 6.1.

In case you missed previous articles that introduced ColdFusion, let me explain what it is. ColdFusion is a programming language based on standard HTML (Hypertext Markup Language) that is used to write dynamic webpages. It lets you create pages on the fly that differ depending on user input, database lookups, time of day, or what ever other criteria you dream up! ColdFusion pages consist of standard HTML tags such as `` together with CFML (ColdFusion Markup Language) tags such as `<CFSEARCH>`, `<CFIF>` and `<CFLOOP>`. ColdFusion was introduced in 1996 and is currently on version 6.1.

Introducing ColdFusion MX 6.1

ColdFusion MX 6.1, previously code-named "Red Sky", is a free maintenance release for users of ColdFusion MX, and it's a must-have upgrade for users of ColdFusion 5 and ColdFusion 4.5. ColdFusion MX 6.1 builds on the powerful enhancements introduced with ColdFusion MX (XML, web services, Flash integration, components, compilation to Java) and enhances the platform in several ways.

First, the installation and migration process are improved so you can get up and running more

quickly. ColdFusion runs on the latest operating system updates for Windows and Unix.

Second are some key enhancements to the CFML language and the ColdFusion runtime. ColdFusion MX Enterprise now includes a full version of Macromedia JRun and the ability to deploy ColdFusion as a J2EE application. One of the advantages this brings is that you can now deploy multiple instances of ColdFusion Enterprise on a single server.

ColdFusion's protocol integration has been improved, giving you greater flexibility and performance with mail, web services, and HTTP.

Third, there is a significant performance increase for ColdFusion, both in production and during development. With a 10-times increase in compilation speed, you will be more productive, and with dramatic increases in runtime performance you can increase the capacity of your production environment as well as get better response times.

Let's take a closer look at each of these areas in more detail.

Simple: Streamlined Product Family

With the release of ColdFusion MX 6.1, Macromedia has simplified the ColdFusion product family to make it easier for you to choose the server that's right for your applications. In addition to all of the features previously in ColdFusion MX Enterprise, it now includes everything you need to build and deploy advanced web applications on the J2EE platform, including a full copy of JRun 4, Macromedia's J2EE-certified Java application server, and the ability to deploy your applications on third-party J2EE servers such as IBM WebSphere, BEA WebLogic, or Sun ONE.

Macromedia also continues to offer an entry-level server for basic web applications. Previously known as ColdFusion Professional, ColdFusion MX Standard provides full access to the CFML language, support for Windows and Linux, and a basic set of database drivers. It's a great way to get started with ColdFusion development or to deploy small and medium-size applications.

Here is a summary of the two editions:

	Standard	Enterprise
OS Support	Windows, Linux	Windows, Linux, Solaris, HP-UX, AIX
Database Drivers	MS Access/ODBC, SQL Server, MySQL	MS Access/ODBC, SQL Server, MySQL, Oracle, DB2, Informix, Sybase
JRun 4 Included		Yes
Multiple Server Instances		Yes
J2EE Server Deployment		Yes
Server/Instance Clustering		Yes
Server Sandboxing		Yes
Archive & Deploy Services		Yes
High-Performance Email		Yes
Price	\$1299	\$5999

Now that we've covered the changes to the overall ColdFusion family, let's take a look at some of the enhancements that have been made to the product itself.

Simple: Updated Platform Support

ColdFusion MX 6.1 now delivers support for the latest operating system releases, including:

- Windows 2003 and IIS
- Red Hat Linux 7.3, 8, and 9
- SuSE 8
- Solaris 9

Simple: Easier Installation and Migration

ColdFusion MX 6.1 comes with a redesigned cross-platform installer, and improved web server configuration tools make it far more straightforward to configure it to your specific needs. For instance, you can now use the point-and-click wizard to configure ColdFusion with multi-homed web servers. If you run into any problems, or just have a question, you can get expert assistance quickly with unlimited installation support.

It is also easier to migrate existing applications from previous versions of ColdFusion. There are upgrade and migration tools to make it easier to import your settings and data-sources from existing servers. And a number of backward compatibility issues have been fixed. For instance, ColdFusion's protocol tags now more closely match the behavior of previous releases. The Access database drivers include Unicode data support, making multilingual applications possible. Lastly, there is improved integration with Microsoft COM so that it's faster and more reliable.

Solid: Industrial-Strength E-mail Integration

One of the most significant new features is in e-mail integration. It's always been easy to send dynamically generated e-mail from ColdFu-

sion, but in 6.1 it's easier to build more advanced e-mail applications and deliver much higher performance and reliability.

For developers, there is built-in support for multipart messages, so you can easily send and retrieve messages in HTML or plain text format. And for more advanced users, there is fine-grained control over all of the message attributes, including the default encoding method used for all outgoing e-mail messages.

The server also has new capabilities that will please administrators. With new multithreaded delivery in ColdFusion Enterprise, a dual-processor machine can now deliver more than 1 million dynamically generated e-mails per hour. In addition, the server can automatically fail over to a back-up mail server if the primary server is not available.

Lastly, you can integrate with mail servers that require username and password authentication, either by setting a global logon in the administrator or on an application-by-application basis by specifying the logon in the CFMAIL tag.

Solid: Enhanced Protocol Integration

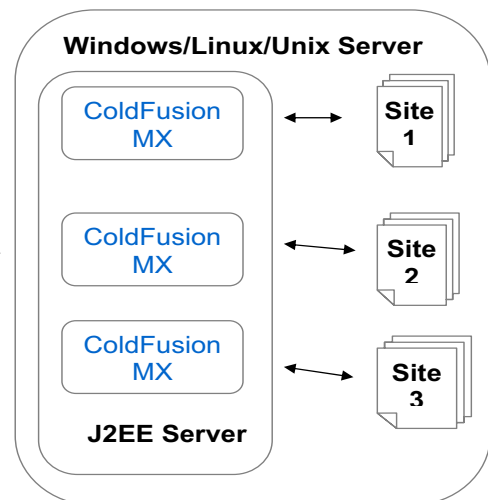
In addition to improved e-mail integration, other Internet protocols have been enhanced. For instance, the ColdFusion web services engine has been updated to the latest release of the Apache Axis engine, providing increased performance and greater interoperability with web services built with Microsoft's .NET framework. ColdFusion web services also now provide more complete support for SSL and proxy servers, enabling you to work with web services in a more secure environment.

ColdFusion's HTTP integration now lets you to integrate better with

remote web servers or work with custom HTTP protocols such as XML-RPC. CFHTTP now provides full access to both header and body content, and you can now use all of the HTTP 1.1 operations in ColdFusion. Lastly is expanded support for proxy servers and request time outs, allowing you to more closely control the latency allowed within your applications.

Solid: Multiple Server Instances

As we've already discussed, the J2EE capabilities of ColdFusion MX are now included in ColdFusion MX Enterprise. This means you can configure multiple instances of ColdFusion on the same server. As a result, you can increase application availability without having to add additional hardware.



Running multiple instances of ColdFusion gives you the ability to isolate applications in their own server process. If one application goes down, it won't affect other applications running on the same server. You can also create multiple instances of the same applications and use your application server's clustering to balance requests across those instances.

Support for multiple instances also gives administrators greater

continued on page 20

October 2003

All meeting and class times are tentative. Check your e-mail and CPCUG website at <http://www.cpcug.org> before attending. Please see CPCUG Meeting Sites on the inside back cover for location codes.

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Verify date and time of event at <http://www.cpcug.org/user/comm/cal-6mon.html>

November 2003

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<p style="font-size: 2em; color: red; margin: 0;">9</p>	<p style="font-size: 2em; color: red; margin: 0;">10</p> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;"> <p style="font-size: 0.8em; margin: 0;">7:00 PM General Meeting (IVL)</p> </div>	<p style="font-size: 2em; color: red; margin: 0;">11</p> <div style="background-color: cyan; border: 1px solid black; padding: 2px; margin: 5px 0;"> <p style="font-size: 0.8em; margin: 0;">6:00 PM Introduction to Programming the OO (Object Oriented) Way (UHU) \$</p> </div> <p style="color: red; font-size: 0.8em; margin: 5px 0;">Veterans Day</p>	<p style="font-size: 2em; color: red; margin: 0;">12</p> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;"> <p style="font-size: 0.8em; margin: 0;">12:30 PM Statistics SIG (1800 M)</p> </div>	<p style="font-size: 2em; color: red; margin: 0;">13</p> <div style="background-color: cyan; border: 1px solid black; padding: 2px; margin: 5px 0;"> <p style="font-size: 0.8em; margin: 0;">6:00 PM Intermediate MS Access (HH) \$</p> </div> <div style="background-color: cyan; border: 1px solid black; padding: 2px; margin: 5px 0;"> <p style="font-size: 0.8em; margin: 0;">6:00 PM Introduction to MS Excel (UHU) \$</p> </div>	<p style="font-size: 2em; color: red; margin: 0;">14</p>	<p style="font-size: 2em; color: red; margin: 0;">15</p> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;"> <p style="font-size: 0.8em; margin: 0;">1:00 PM E & C SIG (CPL)</p> </div>																																																																																				
<p style="font-size: 2em; color: red; margin: 0;">16</p>	<p style="font-size: 2em; color: red; margin: 0;">17</p> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;"> <p style="font-size: 0.8em; margin: 0;">7:00 PM Virginia SIG (IVL)</p> </div>	<p style="font-size: 2em; color: red; margin: 0;">18</p> <div style="background-color: cyan; border: 1px solid black; padding: 2px; margin: 5px 0;"> <p style="font-size: 0.8em; margin: 0;">6:00 PM Integrating MS Office Applications (HH) \$</p> </div> <div style="background-color: cyan; border: 1px solid black; padding: 2px; margin: 5px 0;"> <p style="font-size: 0.8em; margin: 0;">6:00 PM Shopping, Traveling & Auctioning on the Internet (UHU) \$</p> </div> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;"> <p style="font-size: 0.8em; margin: 0;">6:30 PM PalmOS SIG (Teasim)</p> </div>	<p style="font-size: 2em; color: red; margin: 0;">19</p> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;"> <p style="font-size: 0.8em; margin: 0;">5:50 PM Pocket PC SIG (HPTI)</p> </div> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;"> <p style="font-size: 0.8em; margin: 0;">7:00 PM Access SIG (VAMC)</p> </div> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;"> <p style="font-size: 0.8em; margin: 0;">7:30 PM Investment SIG (BCSC)</p> </div>	<p style="font-size: 2em; color: red; margin: 0;">20</p> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;"> <p style="font-size: 0.8em; margin: 0;">11:30 AM Delphi SIG (PC)</p> </div> <div style="background-color: cyan; border: 1px solid black; padding: 2px; margin: 5px 0;"> <p style="font-size: 0.8em; margin: 0;">6:00 PM Advanced MS Access (HH) \$</p> </div> <div style="background-color: cyan; border: 1px solid black; padding: 2px; margin: 5px 0;"> <p style="font-size: 0.8em; margin: 0;">6:00 PM Intermediate MS Excel (UHU) \$</p> </div> <div style="border: 1px solid black; padding: 2px; margin: 5px 0;"> <p style="font-size: 0.8em; margin: 0;">7:00 PM Clipper SIG (email Naseem Saab for location)</p> </div>	<p style="font-size: 2em; color: red; margin: 0;">21</p>	<p style="font-size: 2em; color: red; margin: 0;">22</p>																																																																																				
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Verify date and time of event at <http://www.cpcug.org/user/comm/cal-6mon.html>

ColdFusion

(continued from page 17)

flexibility and security. Each instance of ColdFusion has its own server administrator, so users only have access to the applications they're authorized to work on. In addition, you can tune each instance individually, adjusting simultaneous requests, session management, custom tag paths, and other settings without having to worry about their effect on other applications that are running on the same server.

Solid: Additional Enhancements

In addition to the major changes we've already discussed, there are dozens of smaller enhancements in 6.1, many of them made in direct response to customer requests.

For instance, with "super" support in ColdFusion components, you can more fully take advantage of object-oriented designs in your applications. Also, simplified double-byte character encoding and a new Unicode-capable Access driver make it easier to build multi-lingual applications in ColdFusion. Other important changes include tighter integration between CFLOGIN and ColdFusion sessions, key enhancements to LiveDocs, the online ColdFusion documentation system, as well as fixes for over 400 other customer-identified issues.

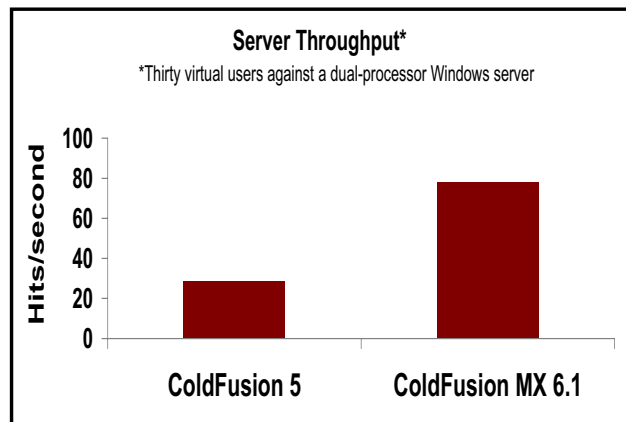
Fast: Performance and Stability

Now let's look at some of the performance enhancements made in this release.

The first thing you'll notice about 6.1 is the changes in the CFML compiler. The ColdFusion compiler's job is to convert CFML source code into Java bytecode. In release 6.1, the compilation speed is dramatically increased, by compiling CFML directly into Java bytecode without producing any Java source code. The result is a 10-fold increase in compiler performance, and a much better development experience, making it easier to

build and debug applications without having to wait for pages to recompile. In fact, it is so fast that it often takes longer to load a previously compiled page from the file cache than to recompile it!

In addition to the compiler enhancements, the production performance under load is improved. The original move in version MX to a Java-based architecture provided some significant performance enhancements for ColdFusion. However, with this release the most commonly used ColdFusion tags have been optimized and ColdFusion's runtime services have been tuned.



The result is a dramatic increase in server performance under load. In internal benchmarks, ColdFusion MX 6.1 performed more than two and half times faster than ColdFusion 5. Even if you're moving from an existing ColdFusion MX server, you should expect to see a significant gain in performance and throughput with release 6.1.

In addition to internal tuning, the bundled JDBC drivers have been upgraded to incorporate the latest enhancements as well as moved to a faster, more reliable version of the Java virtual machine.

Live on ColdFusion MX 6.1

During the development of ColdFusion MX 6.1, Macromedia tested against their internal library of over 1 million lines of CFML code taken from real-world applications to ensure this release provided the utmost in performance and backwards compatibility. This included testing and tuning for

many Fusebox applications.

There was also an extensive beta cycle, which worked out many kinks in the 6.1 release. Among the many applications now live on ColdFusion MX 6.1 is Macromedia's own web site, one of the most highly trafficked on the Internet.

Upgrading to ColdFusion MX 6.1

So what are your next steps? If you already own ColdFusion MX, the upgrade to 6.1 is free.

If you haven't yet upgraded to ColdFusion MX, release 6.1 gives you even more reasons to migrate

your applications to the fastest, most powerful release of ColdFusion yet. If you upgrade today, you can start saving even more time on your development as well as increase the capacity of your servers.

Lastly, if you're new to ColdFusion, I encourage you to

download a free trial version from the Macromedia web site. Follow the installation instructions and you can start building web and Internet applications faster than ever before.

Summary

In this article we learned about ColdFusion MX 6.1.

- Version 6.1 is a free upgrade for ColdFusion MX customers only
- ColdFusion MX 6.1 is a paid upgrade for ColdFusion 5 and 4.5 customers
- ColdFusion MX 6.1 is available in 2 editions – Standard (US\$1299) or Enterprise (US\$5999 per 2 CPUs)
- ColdFusion MX 6.1 is 2.5 times faster than ColdFusion 5 and nearly 20 times faster than ColdFusion 4.5
- ColdFusion MX Enterprise 6.1 allows users to increase reliability with support for multiple instances
- The Enterprise edition includes a bundled version of JRun 4

- Version 6.1 makes migrating from previous releases easier with increased backward compatibility and simplified installation
- ColdFusion MX 6.1 adds key enhancements to e-mail integration, HTTP integration, and web services

To Learn More

You can download a free 30-day evaluation version of ColdFusion from Macromedia at <http://www.macromedia.com/>. After 30 days, it keeps running as a single- user development copy.

For more information on 6.1:

- FAQ - <http://www.macromedia.com/software/coldfusion/productinfo/faq/cfm61/>
- ColdFusion MX 6.1 Press Release: <http://www.macromedia.com/software/coldfusion/productinfo/news/>
- ColdFusion MX 6.1 Product Pages: <http://www.macromedia.com/software/coldfusion>
- What's New in ColdFusion MX 6.1 Breeze Presentation: http://www.macromedia.com/software/coldfusion/productinfo/features/whats_new/
- ColdFusion MX 6.1 Upgrade Guide: <http://www.macromedia.com/software/coldfusion/productinfo/upgrade/>
- ColdFusion MX 6.1 Downloads: <http://www.macromedia.com/software/coldfusion/downloads/>
- ColdFusion MX 6.1 on the Macromedia Online Store: <http://www.macromedia.com/software/coldfusion/buy>
- ColdFusion MX 6.1 Developer Center articles: <http://www.macromedia.com/devnet/mx/coldfusion>

ColdFusion Resources

Macromedia also maintains an extensive knowledge base and tech support forums on their website.

TeraTech runs an annual conference on ColdFusion called CFUN: see <http://www.cfconf.org/cfun-04/>.

TeraTech maintains a ColdFusion code cuttings called ColdCuts at <http://www.teratech.com/ColdCuts/>.

The Maryland ColdFusion User Group meets the second Tuesday of each month in Rockville. See <http://www.cfug-md.org/> for details and directions. The DC ColdFusion User Group meets the second Wednesday of each month near Dupont Circle. See <http://www.cfugorama.com/> for details and directions.

[cfugorama.com/](http://www.cfugorama.com/) for details and directions.

Michael Smith is president of TeraTech, a fourteen-year-old Rockville, MD, based consulting company that specializes in ColdFusion, Database and Visual Basic development. You can reach Michael at michael@teratech.com or (301) 424-3903.

The Complete Elevator Speech Workshop:

How To Get the Results You Want When You Only Have 30 Seconds To Talk

Workshop Leader: Bob Bailey, ebiz

Picture this:

- You are at a networking event.
- There's a roundtable of self-introductions going on.
- You are next! *What do you say?* Will you be remembered?
- Will you get the results, contacts, and action you want?
- Or will your introduction fade into the background, like so many others?

At this interactive workshop, led by former software developer, marketing manager, and sales manager Bob Bailey, you will give your elevator speech, get immediate feedback, learn techniques to improve your presentation skills, and have an opportunity to rework your speech and present a new and improved version.

- ***Get results rather than disappointment at networking events.***
- ***Attract the people who can help you in your business.***

Bob Bailey has the knowledge and experience to help high-tech business executives deliver polished, focused, powerful presentations. His knowledge of technospeak enables him to help the high-tech speaker translate technical jargon into language that is technically meaningful yet persuasively effective. Bob is outstanding at creating analogies, translating features into benefits, and making it meaningful for the audience.

Attendee Limit: 12 – because all registrants get personal coaching!

Saturday, October 4, 2003.

Check-in: 12:45 pm. Starts promptly at 1:00 pm; ends at 3:30 pm.

Location: Inter-American Development Bank (Annex Building)
1350 New York Avenue, NW, Room B-300
(southeast corner of 14th Street & New York Avenue, NW)
Washington, DC

Advance registration and payment required. Sorry, No walk-ins.
Registration: Contact Karen at the CPCUG office, 301-762-9372
[If you get voice mail, please leave a message with your name, phone number, name of the workshop, and best day/time to return your call.]
Fee: \$79 until September 29
Late registration: \$99
Late registration closes when all slots are filled or noon the day before the event, whichever is first. [Last held March 2003]

For more info go to:

www.cpcug.org/user/entrepreneur/Workshop-ElevatorSpeech.html

Organized by CPCUG's Entrepreneurs and Consultants SIG



Special Interest Groups (SIGs)

Access (Microsoft)

- Monthly, third Wednesday, 7:00
- Veterans Affairs Medical Center (adjacent to the Washington Hospital Center), 50 Irving Street, NW, Washington, DC (use Emergency Room Entrance), 4th floor, IRM Room, 4C106a
- URL—<http://www.cpcug.org/user/access/>
- E-mail announcement list: [accesssig-l](mailto:accesssig-l@cpcug.org) hosted at cpcug.org
- E-mail discussion list: [accesssigd-l](mailto:accesssigd-l@cpcug.org) hosted at cpcug.org
- Contact—David Kiasi, d: (301) 350-4752, David.Kiasi@appalt.com

Sign up for our meeting announcement and vibrant discussion lists where you can get insight and suggestions for solving your Access problems.

Act!

- 1st Sunday of every month 3:00pm-5:00pm
- Harbour Square Cooperative Library, 500 N Street, SW (1 block south of Waterfront Metro) Washington, DC 20024, 202-829-4444
- Contact—Rick Shaddock <Rick@CICorp.com>

ACT! SIG meetings are a place for users to discuss and share their use of ACT! and to ask and answer questions of other ACT! users at all levels of expertise.

Our meetings are designed to give ACT! users the opportunity to learn more about using specific features of ACT! and the many products that seamlessly integrate with ACT!, and to meet other ACT! users in the Washington, DC, area. We will be performing demos of new versions of ACT!, offering solutions to technical support issues, and suggesting tips to increase user productivity.

Our SIG creates a forum to learn from other ACT! users and industry specialists,

encourages the exchange of ideas about ACT!, and creates an opportunity to keep abreast of the latest business solution developments.

Baltimore

- Monthly (except June through September) from 6pm - 8pm check to confirm by visiting the website.
- Meeting site currently Enoch-Pratt Free Library 6310 Reisterstown Road Baltimore, MD
- URL—<http://www.rlpystems.com/baltsig>
- E-mail meeting announcements, monthly: To subscribe, send an e-mail request to RLPSystems@aol.com
- Contact—Robert Pettigrew, d/e/w: (410) 358-5840, RLPSystems@aol.com

We are seeking a new, more regular meeting space. If you know of a suitable meeting place in the Baltimore area, please contact SIG Leader Bob Pettigrew.

Beginners (and Beyond)

- Usually monthly, at "Late Nite" following General Meetings, usually second Monday, 9:00
- Same location or meeting room as the General Meeting
- URL—<http://www.cpcug.org/user/beginner/>
- E-mail announcement list: [beginsig-l](mailto:beginsig-l@cpcug.org) hosted at cpcug.org
- E-mail discussion list: [beginsigd-l](mailto:beginsigd-l@cpcug.org) hosted at cpcug.org
- Contact—Marty Shinko, d/e/w: (301) 253-1743 or mshinko.cpcug@juno.com

Marty Shinko is coordinating the Beginners (and Beyond) SIG for computer beginners and intermediates. He'd also be interested in hearing from those who work with beginners.

Not exactly a beginner, but also not an expert? This SIG may be just what you've been looking for, a place for those no longer beginners to continue to learn

how to get more out of their computers. And as computers evolve, the issues facing beginning computer users change.

Join us for fun, lively discussion, and computer talk. Experts are welcome to share their insights as well, of course.

How You Can Help

- Primary contact person
- Alternate contact persons
- Representative to attend CPCUG Board of Directors meetings
- Contact person at General Meetings
- Reporter to write SIG update reports for *Monitor*
- Moderator for e-mail discussion lists

To help in any of these or other capacities, contact Marty by calling (301) 253-1743, sending him a message via e-mail at mshinko.cpcug@juno.com, or meeting him during Late Nite following most General Meetings.

Clipper

- Monthly, last Thursday, 7:00
- Meets at different local restaurants—subscribe to the Clipper e-mail announcement list to learn current month's location
- E-mail meeting announcements, monthly: To subscribe, send an e-mail request to SIG Chair Naseem Saab at Naseem_Saab@DPS-Consulting.com
- Contacts—Naseem Saab, (703) 713-6900, Naseem_Saab@DPS-Consulting.com; Jim Fauntleroy, JimF@us.net

The Washington Area Clipper Users Group (WACUG) became the Clipper SIG of the Capital PC User Group. The mission of the Clipper SIG is (1) to form a presence for Clipper programmers/consultants in the Washington, DC, area, (2) to help newcomers to the Clipper world appreciate and learn about the power of the language. If you need a

Clipper programmer/consultant, we maintain a list of Clipper SIG members specializing in Clipper and Clipper-to-Windows conversions. Send an e-mail with the job description and requirements to Naseem Saab at Naseem_Saab@DPS-Consulting.com for distribution to the mailing list.

Delphi

- Monthly, first Wednesday, 7:00 (except no meeting in January and July)
- Inter-American Development Bank, 1350 New York Avenue, Washington, DC
- Luncheon meeting—usually third Thursday, 11:30AM (Pentagon City Mall near movie theatres)
- URL—<http://www.cpcug.org/user/delphi/>
- E-mail announcement list: delphisig-l hosted at cpcug.org
- E-mail discussion list: delphisigd-l hosted at cpcug.org
- Contact—Thomas Miller (703) 503-5600, tmiller@bss-software.com

Meeting Notes

If you know of other Delphi developers, please let them know about our meetings. We have presentations, technical discussions, contests, door prizes, leads, and fun.

Entrepreneurs and Consultants

- Monthly free meetings, usually third Saturday, 1:00PM
- Occasional workshop "extras" (varying fees)
- usually *Cleveland Park Library*, 3310 Connecticut Ave, NW, Washington, DC
- URL—<http://www.cpcug.org/user/entrepreneur/>
- E-mail discussion list: conent-l hosted at cpcug.org
- Contacts—Barbara Conn, d: (202) 508-1494, e/w: (202) 452-7428, bconn@cpcug.org; Marie Pinho, d/e/w: (703) 569-6080, mpinho@erols.com

Typical Agenda

1:00	Welcome
1:05	Accounting Tips/Tax Updates, Jina Etienne, CPA
1:15	Main Presentation
2:40	Q&A
2:55	Closing announcements
3:00	Door Prize Drawing (when available)
3:00	Informal queries, conversation, networking

Upcoming Events

4th Saturday!

Saturday, October 25, 2003, 1:00-3:15PM

When Venture Capitalists Say 'No':

Creative Financing Strategies and Resources

Ron Peterson, President, Three Arrows Capital Corp.

This seminar provides means and sources you can use to fund your company. Attendees will be regaled with stories from and techniques used by successful entrepreneurs for creatively raising capital for startup ventures and expansion. Biotech company experiences will also be included.

What They're Saying About Ron Peterson's book, *When Venture Capitalists Say "No"*:

"This book is a must-read for every entrepreneur. Chock full of examples of real-world successes, it's an inspiration for startups . . . The list of 81 types of capital alone makes this book a critical resource for every small business executive." *Gene Wang, CEO, Bitfone Corp.; serial entrepreneur*

"Read this book by Ron Peterson twice or three times, it is that good and vital to anyone who wants to be an entrepreneur. It will give you the focus and confidence and backbone to deal with venture capitalists, and with persistence, eventually get them to say "yes" with the right terms." *Ty McCoy, Chairman, Washington Capital Partners, Former Acting Secretary of the Air Force*

The presentation will be followed by a question and answer session – gather your questions and join the discussion. Ron is interested in hearing *your* insights and learning about additional funding sources you have discovered.

Speaker: Ronald Peterson is the President of Three Arrows Capital Corp. He has more than 30 years of Wall Street experience with firms such as Merrill Lynch and Paine Webber. Previously he was a Department of Defense budget analyst.

For 5 years Ron Peterson was the popular Washington, DC, area host of a radio show on investment topics. He has written many articles on entrepreneurship and finance for encyclopedias, magazines, and newspapers and is the author of an earlier book, *Solomon's Riches: A Biblical Guide to Your Investments and Wealth*. He has lectured on investment topics for the Federal Reserve Bank of Richmond, Georgetown University, the University of Maryland, the George Mason University School of Law, and numerous other organizations. He has also taught hedging strategies to personnel of organizations including the

World Bank, International Monetary Fund, Federal Reserve Board, and the Export-Import Bank.

Ron Peterson holds a Bachelors degree from the University of Minnesota and has done graduate work at the George Washington and Johns Hopkins Universities, the University of Maryland (biotechnology), and the National Institutes of Health (clinical pharmacology and clinical (trials). He also holds a U.S. patent in electronic circuitry. Three Arrows Capital Corp., a U.S. investment banking firm that has helped fund hundreds of emerging high-growth companies, works with individuals, entrepreneurs, companies, business consultants, and legal and accounting firms to provide innovative investment banking and corporate advisory services including consultation, Federal/States registration, business plan validation and execution, and marketing development.

Special 3-hour seminar

Saturday, Nov. 15, 2003, 1:00-4:15 PM

Cost Effective Content Management
Steve Drucker, CEO, Fig Leaf Software
Audience: IT Managers, Developers, Communicators, Designers, Information Architects, Business Owners

Prerequisite: An interest in understanding how Web-based content management systems (CMS) can benefit your organization

After reviewing basic CMS concepts, principles, capabilities, and features, the functionality and price points of six industry-leading products from different vendors will be compared and contrasted:

- Macromedia Contribute
- Ektron CMS
- Paperthin CommonSpot
- Microsoft Content Management Server
- LayerIT CMS
- SiteExecutive CMS

The seminar concludes with pitfalls that can occur during CMS implementations and deployments.

"I thoroughly enjoyed this seminar. [It was] conducted in a to-the-point yet captivating manner. [The speaker] was interesting to listen to, enthusiastic about the subject, and conveyed his opinion without appearing biased. His personable, friendly manner enhanced the atmosphere of the event. I gained new knowledge about CMS packages, which is helping me in my decision making. Thank you."

Speaker: Steve Drucker, CEO of Fig Leaf Software, founded the company with Dave Watts in 1992. Steve is a co-author of the best-selling book *The ColdFusion Web Application Construction Kit* and is

a Macromedia Certified Training Instructor (originally an "Allaire Agent"). He has served as project leader on several high-profile ColdFusion-based applications for Bell Atlantic, GlobalOne, MCI, and other Fortune 500 organizations. Steve founded the first ColdFusion User Group (CFUG) and has authored numerous articles focusing on scalability and advanced Web development technologies for the *ColdFusion Developer's Journal*. In addition, Steve has been a featured speaker at trade shows including the Allaire (Macromedia) Developers Conference, Flash Forward, Web '97, and FedWeb.

Before creating Fig Leaf Software, Steve was a C programmer and ventured into database programming with Microsoft FoxPro, developing the first nationally distributed commercial real-estate listings database and the first Windows-based client-server interface to the Virginia Multiple Listings Service (MLS). Steve holds a B.S. in Computer Science from the University of Maryland.

Fig Leaf Software was founded in 1992 as a custom-software development firm specializing in database application development using Microsoft FoxPro. Staying ahead of the industry wave, Fig Leaf shifted company resources in 1995 to focus on the development of Web applications and data-driven Internet sites. Clients include Bell Atlantic, Alltel Communications, Estee Lauder Corporation, Fannie Mae, T. Rowe Price, Verizon Communications, American Chemical Society, Defense Research Institute, World Resource Institute, Federal Aviation Administration, Bureau of Justice, the Architect of the Capitol, and the U.S. Mint.

2nd Saturday!

Saturday, Dec. 13, 2003, 1:00-3:15 PM

Panel Discussion: Topic to be announced

Saturday, January 17, 2004, 1:00-3:15 PM

Solving Project Communications Problems

Michael Smith, President, TeraTech, Inc.

Saturday, February 21, 2004, 1:00-3:15 PM

Taxes: What Every Entrepreneur and Consultant Needs To Know

Jina Etienne, CPA

Meeting Notes

The Entrepreneurs and Consultants SIG is for computer consultants and entrepreneurs using computers. Our monthly meeting presentation topics are varied, and we welcome everyone.

Attendees include business owners, independent computer consultants, managers of entrepreneurial entities within larger companies, new graduates, career changers, and those transitioning from a one-person consultancy to a business with full-time employees.

For the most up-to-date information about the activities of our SIG, including any meeting date, time, location, and topic changes, please subscribe to our content-1 LISTSERV list at <http://www.cpcug.org/list/lwgate.cgi/CONTENT-L/subscribe.html>

At many meetings there are handouts. To ensure we have handouts for all attendees, please register for each meeting via our Web form:

<http://www.cpcug.org/user/entrepreneur/meet-reg.html>

Future Meetings

If you have an idea for a topic or speaker, please send an e-mail message about it to bconn@cpcug.org.

Next Workshop "Extra" (\$ fee)

Getting Results With an Action-Inspiring 30-second Introduction: The Complete Elevator Speech Workshop

Workshop Leader: Bob Bailey, ebiz
Workshop Maximum: 12 (Attendees get personal coaching)

Saturday, October 4, 1:00-3:30 pm

<http://www.cpcug.org/user/entrepreneur/Workshop-ElevatorSpeech.html>

Cost: \$79 (after September 29, 2003, \$99)

To register: CPCUG office, 301-762-9372

Investment

- Monthly (except August), third Wednesday, 7:30
- Bethesda Chevy Chase Services Center, 4805 Edgemoor Lane, 2nd Floor, Rooms A&B, Bethesda, MD (directions at <http://www.cpcug.org/user/comm/bccsc-dir.html>)
- URL—<http://www.cpcug.org/user/invest/>
- E-mail meeting notices, monthly: To receive, send your e-mail request to skatz@highstream.net with your name and e-mail address.
- Contacts—Andy Thompson, Thompson01@erols.com or e/w at (301) 270-6790. For information on Investor's FastTrack mutual fund and stock data base and software sessions, contact Ferd Hassler (301) 718-6253 or Carl Berninger at cberninger@mindspring.com.

General meeting program schedule:

7:30 pm FastTrack session

8:15 pm Q & A session; Investment SIG business

8:30 pm Main presenter

9:30 pm 'Market Watch' (if no outside speaker)

Our meetings have two components. Each meeting begins with a 45 minute discussion related to FastTrack software which is widely used for analyzing and tracking mutual funds and individual stocks. At 8:15 pm the Investment SIG formally begins and our typical agenda consists of an initial 10 or 15 minutes of questions, answers, SIG business, and CPCUG concerns. We then have a main presentation(s) which lasts 60 to 90 minutes and can address issues related to fundamental or technical analysis of stocks, mutual funds, bonds, or trading methods such as options and market timing. The topic of technical analysis indicators is frequently visited.

After the main presentation, if the speaker is from outside the group, there is a 'Market Watch' discussion by our members. The meetings are free and open to the public.

We also have a library for our members. If you have any suggestions for future Investment SIG meeting topics, or if you have something ('non-commercial') you would like to present at a meeting, please e-mail Andy Thompson (above).

Microsoft Office

- Usually monthly, fourth Wednesday (except November), 7:00
- American Speech-Language-Hearing Association (ASHA) at 10801 Rockville Pike, Rockville, MD
- URL—<http://www.cpcug.org/user/comm/sig-supply.html#office>
- Contact—Marie Parker, d: (301) 897-5700 X4220, Mparker@ASHA.org

If you are interested in joining a group where you can exchange ideas, get answers to your questions and concerns, and increase your knowledge of Word, PowerPoint, and Excel, and the integration of these three applications, then this SIG is for you.

PalmOS

- Monthly, day varies, 6:30PM
- Usually at American Psychological Association, 750 First Street, NE, 6th floor, Executive Office Suite, Washington, DC
- URL—<http://www.interpug.com/dcpug/>
- Contacts—Shawn Googins, d: (301) 496-5774, theoophile@yahoo.com; Craig Simpson, d/e/w: (301) 942-3921, macshimidh@earthlink.net, icq#58070639; Frank Sokolove, frank.sokolove@verizon.net.

PocketPC

- Monthly, third Wednesday, 5:50pm.
- High Performance Technologies, Inc
Stafford Place II
4121 Wilson Blvd, Suite 200
Arlington, VA
- URL-<http://www.cpcug.org/user/pocketpc>
- E-mail announcement list: pocketpc-l hosted at cpcug.org
- E-mail discussion list: pocketpcd-l hosted at cpcug.org

- Contact-Ray Wiley, d: (703) 682-5325 or rwiley@hpti.com

The Washington Area Pocket PC Users Group, a Special Interest Group of the Capital PC User Group, meets monthly to discuss topics relating to the Pocket PC platform. If you're interested in learning how a Pocket PC can help you at work and play, please join us at our next meeting. Current Palm users are highly encouraged to attend!

Seniors

- Monthly, first Saturday, 10:00AM-NOON
- Bedford Court - 3701 International Drive Silver Spring, MD [Directions: Take Georgia Avenue north from Beltway to third traffic light past intersection with Connecticut Ave, and turn right on International Dr to the tall building two blocks east. We meet in the Activities Room on the ground floor.]
- E-mail discussion list: seniorsigd-l hosted at cpcug.org
- Contact—Paul Shapiro, pauls@cpcug.org. When not online, he can be reached at (301) 770-9512.

The Seniors Special Interest Group meetings are open to all. They help attendees get more from their personal computers. We'd like member participation in arranging SIG programs, and, need you to help get the word out about the Seniors SIG. The Seniors SIG is for everyone, from beginner to expert. CPCUG members and visitors are welcome and encouraged to attend our meetings whenever possible.

Statistics

- Monthly (except June through August), usually second Wednesday, 12:30
- 1800 M Street, NW, South Tower, Third Floor, Room S3031, Washington, DC—first-time attendees should contact Charlie Hallahan at hallahan@ers.usda.gov or

(202) 694-5051 to have their names put on the admittance list

- URL — <http://www.cpcug.org/user/sigstat/>
- E-mail meeting announcements, monthly: To subscribe, send e-mail to Charles Hallahan, hallahan@ers.usda.gov
- Contact—Charles Hallahan, e/w: (703) 532-2930, hallahan@ers.usda.gov

Topics for Fall 2003

October 15, 2003: PROC MIXED -Part 1: Introduction to Longitudinal Data Analysis <<http://www.sas.com>>

This session will be the first of several sessions showing how PROC MIXED in SAS/STAT can be used to estimate longitudinal data models. Longitudinal data consists of observations measured not only over individual subjects, but there are repeated observations per subject, usually over time, but also allowing for repeated observations over space. The material covered will be extracted from a 3-day course on the topic taught by SAS Institute. This first session on this topic features exploratory data analysis applied to a data set with unequally-spaced observations per subject. This example will be used throughout the other sessions on the topic.

November 12, 2003: Code Portability: SAS Data step in DBMS/Copy - using it as a SAS Work-Alike

Many SAS users own Conceptual Software's DBMS/COPY, a widely used utility for transferring data between software packages. Conceptual's software product lines have been acquired by DataFlux [a subsidiary of SAS Institute].in October of 2002.

DBMS/Copy includes database manipulation and programming system, loosely referred to as DBMS/Analyst or Program. The module Program provides functionality resembling that of base SAS software DATA step. Equivalents of summarization and other procedures MEANS / SUMMARY, TABULATE and SORT are also explained. This talk is a 'Primer' on running SAS DATA step code with minimal change in the DBMS environment. A win-win solution for SAS users & SAS Institute. Users do not have to translate their SAS code to some database {e.g., Access}, or, to a 3G language like Fortran or C, when/where SAS is not available, just port it to DBMS/Copy.

Yesvy Gustasp gives the presentation.

December 10: PROC MIXED - Part 2: The General Linear Mixed Model & Evaluating Covariance Structures (<http://www.sas.com>)

Continuing the topic from October, we'll discuss the general linear mixed model and how it is specified in PROC MIXED. In particular, the options specifying the covariance structures appropriate for longitudinal models will be covered. The sample variogram is defined and used as a diagnostic tool for selecting a covariance structure. Finally, goodness-of-fit statistics for the selected covariance structure will be calculated and plotted.

SIGSTAT is the Special Interest Group in Statistics for the CPCUG, the Capital PC User Group, and WINFORMS, the Washington Institute for Operations Research Service and Management Science.

All meetings are in Room S3031, 1800 M St, NW from 12:30 to 1:30. Enter the South Tower & take the elevator to the 3rd floor to check in at the guard's desk.

First-time attendees should contact Charlie Hallahan, 202-694-5051, hallahan@ers.usda.gov, and leave their name. Directions to the building & many links of statistical interest can be found at the SIGSTAT website, <http://www.cpcug.org/user/sigstat/>.

Our Web Pages

The SIGSTAT pages, at <http://www.cpcug.org/user/sigstat/>, contain an extensive set of links to Web pages of interest to statisticians. Each month we'll look at some sites relevant to that month's demo.

Virginia SIG

- Monthly, third Monday, 7:00 pm
- Interstate Van Lines, 5801 Rolling Road, Springfield, VA
- Jurisdiction for inclement weather cancellation: Fairfax County
- URL — <http://www.cpcug.org/user/vasig/>
- E-mail announcement list: virginiasig-l hosted at cpcug.org
- Contacts—Luis Garcia, d: (202) 606-9848, e/w: (703) 425-6902, lgarcia51@yahoo.com

- | | |
|------|------------------------------------|
| 7:00 | Open Forum and General Information |
| 7:45 | Presentation |
| 8:45 | Q&A |

Meeting Notes

The main presentation can be on any general computer utilization issue: hardware, software, Internet, training, and so forth.

HELPLINE

compiled by Elliott Fein
elliott.fein@erols.com

This helpline listing is for
CPCUG MEMBERS ONLY!
The volunteers will provide
assistance on their listed subjects
during the times and days outlined.

Membership has its privileges!
Please be prepared to give the

Helpline Volunteer your member-
ship number. Please do not ask for
assistance outside the stated times.
If you reach a telephone answering
machine, leave a message as many
people screen calls or otherwise
prioritize their time. Some volun-
teers have provided e-mail addresses
so that you can contact them if you
have trouble getting in touch by
telephone.

If you would like to volunteer
your services in any area, please
contact Elliott Fein on the Internet
at elliott.fein@erols.com or via snail
mail at 5 Carter Court, Rockville,
MD 20852-1005, providing your
membership number, subject(s),
phone number and/or e-mail
address, days and times.

Member	Phone	Days	Time	E-Mail
ACCESS				
ACCESS SIG Discussion List Scott Mohnkern	301-738-0097	M - F	9:00a-4:00p	www.cpcug.org/list/lwgate.cgi/ACCESSSIGD-L/subscribe.html mohnkern@cpcug.org
ACT!				
Rick Shaddock	202-829-4444	All	9:00a-9:00p	Rick@CICorp.com
ADOBE PAGEMAKER				
Lisa Conners	301-527-0650	Tue - Thur.	7:00p-9:00p	lamc8@comcast.net
ADOBE PHOTOSHOP				
Sam Odio	703-725-6442	All	All	sam@odio.com
ALPHA FOUR				
Guy Durant	202 529-6744 202 529-6744	All	8:00a-11:00a 9:00p-11:59p	
APL LANGUAGE				
Frank Ditto	304-725-3283	All	12:01p-11:59p	fditto@shentel.net
APPLE MacIntosh (Hardware, Networks, OS, Software)				
Phil Marchetti	301-404-2210	Mon-Sat	11:00a-9:00p	philm@erols.com
ASSEMBLY LANGUAGE				
Walter Nissen	440-243-4980 Near Cleveland	All	Reasonable	wnissen@tfn.net
ASTRONOMY				
Walter Nissen	440-243-4980 Near Cleveland	All	Reasonable	wnissen@tfn.net
BASIC LANGUAGE				
Walter Nissen	440-243-4980 Near Cleveland	All	Reasonable	wnissen@tfn.net
BROTHER'S KEEPER				
Alta Oben	703-938-5831 703-938-5831	Mon-Fri Sat-Sun	6:00p-10:00p 9:00a-10:00p	alta@cpcug.org

Member	Phone	Days	Time	E-Mail
BUILD YOUR OWN				
Chip Dodge	703-425-7038	All	Reasonable	
Sam Odio	703-725-6442	All	All	sam@odio.com
BUYING DECISIONS				
Sam Odio	703-725-6442	All	All	sam@odio.com
Randy Steer	202-548-3288	Mon-Fri	8:00p- 11:59p	
	202-548-3288	Sat-Sun	11:00a- 10:00p	
C LANGUAGE				
Wayne Démoncourt				wayned@cpcug.org
Scott Graham	301-437-2745	Mon-Fri	9:00a- 6:00p	sgraham@scobar.com
	301-593-2744	Mon-Fri	6:00p-9:00p	
	301-593-2744	Sat-Sun	Reasonable	
Walter Nissen	440-243-4980	All	Reasonable	wnissen@tfn.net
	Near Cleveland			
C++ LANGUAGE				
Keith Bennett	301-840-1161	All	8:00a -9:00p	kbennett@cpcug.org
Scott Graham	301-437-2745	Mon-Fri	9:00a- 6:00p	sgraham@scobar.com
	301-593-2744	Mon-Fri	6:00p-9:00p	
	301-593-2744	Sat-Sun	Reasonable	
Walter Nissen	440-243-4980	All	Reasonable	wnissen@tfn.net
	Near Cleveland			
COMMUNICATIONS - DATA				
Walter Nissen	440-243-4980	All	Reasonable	wnissen@tfn.net
	Near Cleveland			
COMMUNICATIONS - MODEMS				
Walter Nissen	440-243-4980	All	Reasonable	wnissen@tfn.net
	Near Cleveland			
COMPUTING - GENERAL				
Walter Nissen	440-243-4980	All	Reasonable	wnissen@tfn.net
	Near Cleveland			
Sam Odio	703-725-6442	All	All	sam@odio.com
DBASE				
Guy Durant	202-529-6744	All	8:00a-11:00a	
	202-529-6744	All	9:00p-11:59p	
DELPHI/PASCAL				
Richard Maley	301-840-1554	Mon-Fri	9:00a- 5:00p	75127.17@compuserve.com
Dennis Courtney	202-623-2884	Mon-Fri	9:00a- 5:00p	dennisc@iadb.org
DOS				
Arnie Kuzmack	301-949-3268	Mon-Fri	7:30p-10:30p	Arnie@kuzmack.com
	301-949-3268	Sat-Sun	12:01p-10:30p	
Walter Nissen	440-243-4980r	All	Reasonable	wnissen@tfn.net
	Near Cleveland			
Henry Winokur	301-320-2104	All	Reasonable	henwin@atlantech.net

Member	Phone	Days	Time	E-Mail
DOS Communications Packages				
David Chessler	301-229-3984	All	7:00p-10:00p	
Eudora (3 and 4)				
David Chessler	301-229-3984	All	7:00p-10:00p	
EXCEL				
Scott Mohnkern	301-738-0097	M - F	9:00a-4:00p	mohnkern@cpcug.org
Arquilla Ridgell	301-946-3041	Mon-Wed-Fri	7:00p-9:00p	clockone@aol.com
		Sat-Sun	6:00p -9:00p	clockone@aol.com
FoxBase, any version				
Rick Shaddock	202-829-4444	All	9:00a-9:00p	Rick@CICorp.com
FOXPRO				
Guy Durant	202-529-6744	All	8:00a-11:00a	
	202-529-6744	All	9:00p-11:59p	
FOXPRO Visual				
Rick Shaddock	202-829-4444	All	9:00a-9:00p	Rick@CICorp.com
GGEOWORKS				
Herb Fredricksen	301-840-2056	All	2:00p-11:00p	
HARDWARE - GENERAL				
Wayne Dernoncourt				wayned@cpcug.org
Arnie Kuzmack	301 949-3268	Mon-Fri	7:30p-10:30p	Arnie@kuzmack.com
	301 949-3268	Sat-Sun	12:01p-10:30p	
Sam Odio	703-725-6442	All	All	sam@odio.com
HD TV/Home Theatre				
Rodolfo La Maestra	703-690-6336	Mon-Sat	Reasonable	rodolfo.lamaestra@verizon.net
HTML (Hypertext Markup Language)				
HTML SIG Discussion List				www.cpcug.org/list/lwgate.cgi/HTMLSIGD-L/subscribe.htm
Harold Goldstein	202-966-9091	All	Reasonable	dcbiker@goldray.com
Walt Houser	301-299-0593	All	7:00p-10:00p	houser@cpcug.org
Scott Mohnkern	301-738-0097	M-F	9:00a-4:00p	mohnkern@cpcug.org
Sam Odio	703-725-6442	All	All	sam@odio.com
InterACT				
Rick Shaddock	202- 829-4444	All	9:00a-9:00p	Rick@CICorp.com
INTERNET - NOT CPCUG.ORG				
Walter Nissen	440-243-4980 Near Cleveland	All	Reasonable	wnissen@tfn.net
Internet Basics				
Arnie Kuzmack	301-949-3268	Mon-Fri	7:30p-10:30p	Arnie@kuzmack.com
	301-949-3268	Sat-Sun	12:01p-10:30p	
Paul Shapiro	301-770-9512	All	9:00a-9:00p	pauls@cpcug.org

Member	Phone	Days	Time	E-Mail
INTERNET - CPCUG.ORG (cpcug.org subscribers only)				
Scott Mohnkern	301-738-0097	M-F	9:00a-4:00p	mohnkern@cpcug.org
INTERNET E-MAIL				
David Chessler	301-229-3984	All	7:00p-10:00p	
INTERNET EXPLORER				
Walter Nissen	440-243-4980 NearCleveland	All	Reasonable	wnissen@tfn.net
ISO-9000				
Edward H. Jentsch	301-279-0134	All	Reasonable	ejentsch@cpcug.org
JAVA (SUN)				
Keith Bennett	301- 840-1161	All	8:00a -9:00p	kbennett@cpcug.org
LAN (See also Networking)				
Wayne Démoncourt				wayned@cpcug.org
LOTUS APPROACH				
David Littlefield	202-723-9527	Mon-Fri	8:00a-10:00p	
MATHCAD				
Roland deWit	301-299-4697	Mo,Tu,We,Fr	7:00p-9:00p	
MATHEMATICA				
Roland deWit	301-299-4697	Mo,Tu,We,Fr	7:00p-9:00p	
MEMORY MANAGEMENT				
Henry Winokur	301-320-2104	All	Reasonable	henwin@cpcug.org
MICROSOFT OFFICE				
Scott Mohnkern	301-738-0097	M-F	9:00a-4:00p	mohnkern@cpcug.org
NETSCAPE (3 and 4)				
David Chessler	301-229-3984	All	7:00p-10:00p	
NETSCAPE COMPOSER, Ver 4.01				
David Littlefield	202-723-9527	Mon-Fri	6:00p-10:00p	
NETWORKING/LAN				
Sam Odio	703-725-6442	All	All	sam@odio.com
NORTON UTILITIES				
Randy Steer	202-548-3288	Mon-Fri	8:00p- 11:59p	
	202-548-3288	Sat-Sun	11:00a- 11:59p	
NOVICE (Beginner)				
Arnie Kuzmack	301-949-3268	Mon-Fri	7:30p-10:30p	Arnie@kuzmack.com
	301-949-3268	Sat-Sun	12:01p-10:30p	
Walter Nissen	440-243-4980 Near Cleveland	All	Reasonable	wnissen@tfn.net
Sam Odio	703-725-6442	All	All	sam@odio.com
Henry Winokur	301-320-2104	All	Reasonable	henwin@cpcug.org

Member	Phone	Days	Time	E-Mail
NUMBER THEORY				
Walter Nissen	440-243-4980 Near Cleveland	All	Reasonable	wnissen@tfn.net
OLX and other Off-line Readers				
David Chessler	301-229-3984	All	7:00p-10:00p	
ORACLE				
Michael Shunfenthal	703-866-9729	Mon-Fri	7:30p- 9:30p	
OS/2				
Keith Bennett	301-840-1161	All	8:00a -9:00p	kbennett@cpcug.org
C. Patrick Zilliacus	301-384-0972	Sat-Sun	12:01p-9:00p	
OUTLOOK				
Scott Mohnkern	301-738-0097	M-F	9:00a-4:00p	mohnkern@cpcug.org
PARADOX AND PAL FOR DOS				
Ron Hicks	703-528-1009	All	Reasonable	ronhicks@cpcug.org
PERSONAL EDITOR II				
Walter Nissen	440-243-4980 Near Cleveland	All	Reasonable	wnissen@tfn.net
C. Patrick Zilliacus	301-384-0972	Sat-Sun	12:01p-9:00p	
PKZIP				
David Chessler	301-229-3984	All	7:00p-10:00p	
PRINTERS - GENERAL				
Henry Winokur	301-320-2104	All	Reasonable	henwin@cpcug.org
PVCS VERSION MANAGER 5.2				
Edward H. Jentsch	301-279-0134	All	Reasonable	ejentsch@cpcug.org
QBASIC (IN MS-DOS)				
Paul Shapiro	301-770-9512	All	9:00a- 9:00p	pauls@cpcug.org
QUICK BASIC 4.5				
Paul Shapiro	301-770-9512	All	9:00a- 9:00p	pauls@cpcug.org
QUICKBOOKS				
Dennis Courtney	301-570-9334 202-623-2884	Mon-Fri Mon-Fri	6:30p-9:00p 9:30a-5:30p	dennisc@cpcug.net
SATELLITES, EARTH				
Walter Nissen	440-243-4980 Near Cleveland	All	Reasonable	wnissen@tfn.net
SQL				
Dennis Courtney	301-570-9334 202-623-2884	Mon-Fri Mon-Fri	7:00p-10:00p 9:30a-5:30p	
STUFFIT				
David Chessler	301-229-3984	All	7:00p-10:00p	

Member	Phone	Days	Time	E-Mail
Timeslips (DOS and Windows)				
David Chessler	301-229-3984	All	7:00p-10:00p	
TROUBLESHOOTING - GENERAL				
Wayne Démoncourt				wayned@cpcug.org
Walter Nissen	440-243-4980 Near Cleveland	All	Reasonable	wnissen@tfn.net
Henry Winokur	301-320-2104	All	Reasonable	henwin@cpcug.org
UBASIC LANGUAGE				
Walter Nissen	440-243-4980 Near Cleveland	All	Reasonable	wnissen@tfn.net
UNIX				
Scott Graham	301-437-2745	Mon-Fri	9:00a- 6:00p	sgraham@scobar.com
	301-593-2744	Mon-Fri	6:00p-9:00p	
	301-593-2744	Sat-Sun	Reasonable	
Scott Mohnkern	301-738-0097	M-F	9:00a-4:00p	mohnkern@cpcug.org
UTILITIES				
Walter Nissen	440-243-4980 Near Cleveland	All	Reasonable	wnissen@tfn.net
VIDEO CONFERENCING				
Paul Shapiro	301-770-9512	All	9:00a- 9:00p	pauls@cpcug.org
WINDOWS 2000 PROFESSIONAL				
Sam Odio	703-725-6442	All	All	sam@odio.com
WINDOWS 3.1				
Guy Durant	202-529-6744	All	8:00a-11:00a	
	202-529-6744	All	9:00p-11:59p	
Henry Winokur	301-320-2104	All	Reasonable	henwin@atlantech.net
WINDOWS 95				
David Chessler	301-229-3984	All	7:00p-10:00p	
Arnie Kuzmack	301 949-3268	Mon-Fri	7:30p-10:30p	Arnie@kuzmack.com
	301 949-3268	Sat-Sun	12:01p-10:30p	
Henry Winokur	301 320-2104	All	Reasonable	henwin@cpcug.org
WINDOWS 98				
Arnie Kuzmack	301 949-3268	Mon-Fri	7:30p-10:30p	Arnie@kuzmack.com
	301 949-3268	Sat-Sun	12:01p-10:30p	
Walter Nissen	440 243-4980 Near Cleveland	All	Reasonable	wnissen@tfn.net
Sam Odio	703-725-6442	All	All	sam@odio.com
Henry Winokur	301 320-2104	All	Reasonable	henwin@cpcug.org
WINDOWS ME				
Arnie Kuzmack	301 949-3268	Mon-Fri	7:30p-10:30p	Arnie@kuzmack.com
	301 949-3268	Sat-Sun	12:01p-10:30p	
Henry Winokur	301 320-2104	All	Reasonable	henwin@cpcug.org

Member	Phone	Days	Time	E-Mail
WINDOWS NT - SYSTEM POLICY EDITOR				
Ron Hicks	(703) 528-1009	All	Reasonable	ronhicks@cpcug.org
WINDOWS XP				
Sam Odio	703-725-6442	All	All	sam@odio.com
WINFAX PRO				
Howard Weeks	301 924-0400	Mon-Fri	2:00p- 6:00p	
WORD 6.0/7.0 FOR WINDOWS				
Edward H. Jentsch	301 279-0134	All	Reasonable	ejentsch@cpcug.org
Henry Winokur	301 320-2104	All	Reasonable	henwin@cpcug.org
WORD FOR WINDOWS				
Arquilla Ridgell	301-946-3041	Mo,We,Fr	7:00p-9:00p	Clockone@aol.com
	301-946-3041	Sat-Sun	6:00p-9:00p	Clockone@aol.com
WORD FOR WINDOWS 97				
Henry Winokur	301 320-2104	All	Reasonable	henwin@cpcug.org
WORDPERFECT				
WordPerfect SIG Discussion List				www.cpcug.org/list/lwgate.cgi/WPSIGD-L/subscribe.html
Arnie Kuzmack	301 949-3268	Mon-Fri	7:30p-10:30p	Arnie@kuzmack.com
	301 949-3268	Sat-Sun	12:01p-10:30p	
Arquilla Ridgell	301 946-3041	Mo, We, Fr	7:00p-9:00p	clockone@aol.com
	301 946-3041	Sat-Sun	6:00p -9:00p	clockone@aol.com
WORDPERFECT (5.1 & 6.0 DOS)				
Wayne Démoncourt				wayned@cpcug.org
WORDPERFECT (DOS & WINDOWS)				
Howard Weeks	301 924-0400	Mon-Fri	2:00p- 6:00p	
WORDPERFECT (DOS-ALL)				
David Chessler	301-229-3984	All	7:00p-10:00p	
WORDPERFECT (WINDOWS 7-9)				
David Chessler	301-229-3984	All	7:00p-10:00p	
WORLD WIDE WEB				
Harold Goldstein	202 966-9091	All	Reasonable	dcbiker@goldray.com
Walt Houser	301 299-0593	All	7:00p - 10:00p	houser@cpcug.org
Scott Mohnkern	301-738-0097	M-F	9:00a-4:00p	mohnkern@cpcug.org
WORLD WIDE WEB CONTENT DEVELOPMENT				
Harold Goldstein	202 966-9091	All	Reasonable	dcbiker@goldray.com

Volunteers Needed!

Booth Staffers for Computer-Related Trade Shows and Other Special Events

Enthusiastic CPCUG members are needed several times a year to staff CPCUG booths at various computer-related trade shows and other special events including NBC4 Digital Edge Expo, FOSE, FedWeb, eXtreme, and ITrecruitermag.com. It's fun! And all you have to do is hand out CPCUG literature and giveaways, and tell attendees about CPCUG and membership benefits. At trade shows you also get a free pass to visit the booths of exhibiting vendors.

Contact: volunteer@cpug.org

Capital Area Vice President and 1st Vice President

We have two VP openings. For detailed information about these VP responsibilities, please contact CPCUG President Dennis Courtney.

Contact: president@cpug.org

General Meetings and Saturday Seminars

1. Seminar panelists
2. Greeters

Contact: president@cpug.org

Education and Training

1. Course Developers
 2. Instructors for the following: PCs for Beginners, Using Windows (most versions), Microsoft Office XP, Internet Explorer, Netscape Communicator, JavaScript, Java, PERL, C++, and more!
 3. Teacher Assistants
 4. Technical Editors
 5. Copywriters
 6. Designers and Desktop Publishers
- Please see the form on the inside front cover of this issue.

Contact: training@cpug.org

Helpline

The Helpline is always in need of more helpers. The Capital PC User Group motto is "Users helping Users," and one of the best places to do that is through the Helpline. You don't have

to be a real expert to be of help. Most users requesting help have very basic questions. By volunteering, you can not only help others, but you can learn from the experience and also get a good feeling doing it. Take a look at the "Helpline Directory" in the *Monitor* to see the subjects currently covered. If there is a subject that you are interested in that is not listed, we can add it. A particular need is for volunteers who can answer the phone during the day. Windows and Microsoft Office specifically are in need of more volunteers. **Contact:** Elliott Fein at elliott.fein@erols.com, or by snail mail at 5 Carter Court, Rockville, MD 20852-1005.

Reboot

CPCUG's Active Computer Recycling Program

10 Volunteers

Working 1 or 2 or more
afternoons a month

Have hardware to donate?
Have a few hours a month
and want to help?

Contacts:

Gerry Rosenkrantz
g.rosenkrantz@worldnet.att.net

or Dave Barry
dbarry@netkonnnect.net

Science Fair Judges

CPCUG's Program of Recognition of Young Student Scientists

In 1996 CPCUG presented awards to students in two Maryland counties. In 1997, due to excellent CPCUG member response, we expanded the program to include students participating in science fairs in 12 areas of Maryland, Washington, DC, and Virginia. Help us cover at least as many science fairs this year and beyond. **Contact:** Walt Houser at houser@cpug.org

Writers & Reporters for the Monitor, CPCUG's periodic magazine

The *Monitor* is always looking for good articles! If you are interested in writing an article, reporting on an event, taking photos at an event, or reviewing a book or software program, please let us know.

Contact: editor@cpug.org

Monitor Advertising

Do you know a corporation or entrepreneurial business that might benefit from an ad in CPCUG's magazine, the *Monitor*? Help make it happen by showing its decision makers the *Monitor*. Increased advertising revenue means a larger magazine and more money for CPCUG's member benefit programs. And you can earn a commission on ads you place!

Contact: editor@cpug.org



Monitor Photographers

CPCUG has more than a dozen events every month. If you have a digital camera and a little time on your hands where you could attend a couple of CPCUG events each month, why not volunteer to be the official photographer for the *Monitor*.

Contact: editor@cpug.org

SIGs

If you are interested in starting (or reactivating) a Special Interest Group (SIG), **Contact:** president@cpug.org



Tired of your ISP increasing your rates?

Why not get cpcug.org national Internet access at half the price some of our competitors charge?

Quality Internet Service, Discounted Rates

See our web site at <http://www.millkern.com/>
Or e-mail us at sales@millkern.com

Tel: 301-738-0097

Directions to BCCSC, Bethesda, MD (October General Meeting)

The October CPCUG General Meeting will be held on the 2nd floor, Rooms A and B of the Bethesda Chevy Chase Services Center (BCCSC), 4805 Edgemoor Lane, Bethesda, MD

Located on the southwest corner of Old Georgetown Road and Edgemoor Lane) in downtown Bethesda, BCCSC is in the two-story Montgomery County office building of the Metropolitan complex, above a county parking garage. (Note: not to be confused with the Bethesda Senior Source (BSS) in the same building)

By car

Parking is available in the building garage: 75 cents per hour for first 3 hours and 50 cents per hour thereafter.

The garage entrance is marked with a large blue Bethesda Services Center parking sign.

Coming south on Old Georgetown Rd (from the Beltway use exit 36), turn right on Woodmont Ave and the parking entrance is almost immediately on your left (second driveway).

Coming south on Wisconsin Ave/Rockville Pike, turn right onto Woodmont Ave, go south for approximately 1 mile, cross over Old Georgetown Rd, and the garage entrance is the second driveway on your left.

Coming north on Wisconsin Ave or west on Rt. 410 (East-West Hy), take Old Georgetown Rd north, turn left at the second traffic light (Woodmont Ave), and the garage entrance is the second driveway on your left).

Take an elevator from the parking garage to the plaza level. (Remember which elevator you use and which level your car is on so you can find your car easily afterward.) The building is located at the center of the plaza. Montgomery County and Maryland flags and a sign bearing the Montgomery County seal mark the entrance to the building.

Enter the building and take elevator to meeting rooms A and B on level 2, one flight above plaza level.

By Metro, By Bus, or on foot

The building is conveniently located across the street from the Bethesda Metrorail station.

From the Metrorail Station, take the escalator from the bus bay to the plaza level, turn left, walk past the clock tower and across to the Metropolitan plaza using the pedestrian bridge.

If you are walking from any other location, the street entrance to the Bethesda Chevy Chase Services Center, 4805 Edgemoor Lane, is on the southwest corner of Old Georgetown Road and Edgemoor Lane).

Take elevator to meeting rooms A and B on level 2, one flight above plaza level.

**The November General Meeting
will be held in Virginia at:**

Interstate Van Lines
5801 Rolling Road
Springfield, VA

<http://www.invan.com/contact/directions.htm>

CPCUG Mailing Lists



The Capital PC User Group maintains many mailing lists for distributing and sharing information. A mailing list is a list of people's names and e-mail addresses used to send certain messages or announcements to a group of people simulta-

neously who have a common interest in the message contents. You can join and leave the list as your needs dictate. Electronic mailing lists are a logical extension of bulletin board systems like the late CPCUG Membership Information eXchange (MIX). They provide very much the same functionality as the MIX did without requiring dialing into a separate message server. If you have access to the Internet and e-mail you can get started exploring mailing lists right away!

To make using LISERV (the trade name for the most popular mailing list management software in the world) easy for even the the newest user we have installed a web-based gateway to these lists. From this gateway, users can get information about the various lists that are available. They can subscribe to, unsubscribe from, and set personal preferences (subscription options) for any of the lists that are open to the public. To reach this gateway go to our website at www.cpcug.org and select the "Mailing List" option from the main menu. Some of the lists are for information distribution only (no individual posting allowed), and others are open for posting (discussion lists). Most of the list owners maintain archives of messages, and those archives that are available can be read via the gateway at CPCUG's website.

You can retrieve a manual and other information about the workings of LISERV from:

<http://www.lsoft.com/info/default.asp?item=manuals>

Below is a compilation of some of the most popular of CPCUG's current e-mail lists.

- ACCESSSIG-L** (CPCUG Access SIG Announcement List)
- ACCESSIGD-L** (CPCUG Access SIG Discussion List)
- BEGINSIG-L** (CPCUG Beginners SIG Announcement List)
- BEGINSIGD-L** (CPCUG Beginners SIG Discussion List)
- CONENT-L** (CPCUG Entrepreneurs and Consultants SIG Discussion List)
- CPCUGCAL-L** (CPCUG Event Calendar Distribution List)
- CPCUGGEN-L** (CPCUG General Discussion List)
- DCPUG-L** (CPCUG PalmOS SIG Discussion List)
- DELPHISIG-L** (CPCUG Delphi SIG Announcement List)


- HTMLSIG-L** (CPCUG HTML SIG Announcement List)
- HTMLSIGD-L** (CPCUG HTML SIG Discussion List)
- JAVASIG-L** (CPCUG Java SIG Announcement List)
- JAVASIGD-L** (CPCUG JAVA SIG Discussion List)
- MIX-L** (CPCUG Member Info. eXchange Discussion List)*
- MMSIG-L** (CPCUG Multimedia SIG Announcement List)
- MMSIGD-L** (CPCUG Multimedia SIG Discussion List)
- MONITOR-L** (CPCUG *Monitor* Announcement List)
- NETSIG-L** (CPCUG Internet SIG News List)**
- OFCSIG-L** (CPCUG MS-Office SIG Announcement List)
- PMSIG-L** (CPCUG Project Mgm't SIG Announcement List)
- POCKETPC-L** (CPCUG Pocket PC SIG Announcement List)
- POCKETPCD-L** (CPCUG Pocket PC SIG Discussion List)
- SCIFAIRD-L** (CPCUG Science Fair Announcement List)
- SENIORSIG-L** (CPCUG Seniors SIG Announcement List)
- SENIORSIGD-L** (CPCUG Seniors SIG Discussion List)
- TRAIN-L** (CPCUG Training Program Announcement List)
- TRAIND-L** (CPCUG Training Program Discussion List)
- VBSIG-L** (CPCUG Visual Basic SIG Announcement List)
- VBSIGD-L** (CPCUG Visual Basic SIG Discussion List)
- VIRGINIASIG-L** (CPCUG VA SIG Announcement List)
- WPSIG-L** (CPCUG WordPerfect SIG Announcement List)
- WPSIGD-L** (CPCUG WordPerfect SIG Discussion List)

* MIX-L – CPCUG members only. Send e-mail to David Chessler <chessler@cpcug.org> to subscribe.

** NETSIG-L cannot be subscribed to or signed off from cpcug.org as it is hosted on AOL. To subscribe to NETSIG-L mailings, send e-mail to: LISTSERV@LISTSERV.AOL.COM containing the line:

SUBSCRIBE NETSIG-L <firstname> <lastname>

To subscribe to any list, send an e-mail message to LISTSERV@CPCUG.ORG. Include in the message the line **SUBSCRIBE <listname> <yourfirstname> <yourlastname>**. Do not include the angle brackets. No entry in the subject line is necessary.

 The software for maintaining the mailing lists, LISERV®, has been made available through a generous donation from L-Soft International, Inc. The web-based gateway, LWGate, is a perl script written by © 1995 David W. Baker, dwb@netspace.org. This program is free software under the terms of the GNU General Public License as published by the Free Software Foundation. LISERV® is maintained and administered for the CPCUG by CPCUG's LISERV Administrator Karl Signell <signell@cpcug.org>.

10 Reasons To Join CPCUG

Capital PC User Group (CPCUG) membership entitles each member of your family living in your household to all CPCUG membership benefits—

1. Helpline—a great way to get help from experts for your hardware, software, and Internet questions and problems at no additional cost. The Helpline Directory is updated and published in the *Monitor*, the magazine of the Capital PC User Group.

2. Mail delivery of a print copy of our award-winning magazine, the *Monitor*, with its practical tips for computer users; technical articles; regular columns; CPCUG-member-authored reviews of software, hardware, and computer-related books; CPCUG event calendar; and special interest group (SIG) and Training Program information.

3. Computer education and training classes, seminars, workshops, discussions, and labs at low member rates—some are even free to members while others are for members only.

4. Assistance from CPCUG Build Team mentors in specifying and building your own computer. CPCUG's popular "Build" Workshop gives participants the knowledge and confidence to select appropriate components to build and later upgrade their own computers without additional paid assistance. This workshop is only \$75 and is only available to CPCUG members.

5. Discounts on software, hardware, and training are periodically made available to members of our user group. [If you take advantage of several discounts available only to CPCUG members, your membership pays for itself.]

6. Internet service options available only to CPCUG members at competitive rates through our Internet domain cpcug.org.

7. Access to new member-only e-mail distribution lists being created to supplement our more than 30 public discussion and announcement lists. List subscribers can ask and get answers to computer hardware and software questions, and stay informed about CPCUG activities and Training.

8. New software and/or computer reference books—available without charge to members who review them for our magazine, the *Monitor*. You'll also get a byline in the *Monitor* and become a member of our product review coordinator's team.

9. Member-only door prizes—available at some General Meetings, some special interest group (SIG) meetings, and at occasional seminars. [This benefit has more than paid for the annual membership fee of many active CPCUG members. Software prizes have included Lotus Domino Go Webserver, MS Office Professional, and Adobe Photoshop. Hardware prizes have included Hewlett Packard Pocket PCs and Palm handhelds.]

10. Opportunities to develop and/or enhance leadership and management skills, while building your professional network, by volunteering with CPCUG.

The biggest benefit of all may be that by becoming active in the Capital PC User Group you become part of a very helpful community of computer users and IT professionals who are truly "Users Helping Users."

Before you know it you will also become a "User Helping Users."

The Capital PC User Group, Inc. (CPCUG), a nonprofit 501(c)(3) educational organization established in 1982, provides a forum for sharing information, experience, and resources among computer users, from novice to advanced. Although the group serves primarily the Washington, DC, metropolitan area, members are found around the world.

Membership Form

Mail to: Capital PC User Group, Inc.
19209 Mt. Airey Road
Brookeville, MD 20833

Call to (if paying by credit card): (301) 762-9372

Fax to (if paying by credit card): (301) 762-9375

Name _____

Address _____

City/State/ZIP _____

Telephone (Evening/Weekend) _____

Telephone (Day) _____

E-Mail Address _____

Member Number _____

New Membership 1 year—\$42 Outside the
 Renewal 2 years—\$78 United States,
 Change of Address 3 years—\$110 \$60 per year

Payment method: Check VISA MasterCard

Card Number _____

Expiration Date _____

Signature (required for credit cards): _____

List my name in the next Membership Directory? Yes No
Name and address information from this Membership Directory may be very occasionally made available to computer-related businesses, most often on a one-time basis to vendors desiring to announce their General Meeting presentations. If you do not wish to be included in the directory, mark the "No" box above.

Please check this box if you would *not* wish to receive a monthly e-mail message with current CPCUG training and meeting topics. We are considering using this means of keeping the membership informed of scheduled events and changes more rapidly than is possible via the *Monitor* magazine.

Your membership starts with the first *Monitor* magazine mailed to you. It may take 4–6 weeks before you are included on the mailing list or receive your membership card. Please be patient.

Five dollars of the membership fee is for a subscription to the *Monitor*.
902w

Capital PC User Group, Inc. *A Resource for Technology Users and IT Professionals*

Phone: (301) 762-9372

Fax: (301) 762-9375

E-Mail: admin@cpcug.org

Snail Mail: 19209 Mt. Airey Road
Brookeville, MD 20833

URL: <http://www.cpcug.org/>

President: Dennis Courtney
president@cpcug.org

Events Calendar:

<http://www.cpcug.org/user/comm/cal-6mon.html>

Business Card Advertising

Become a User Helping Users

Join the CPCUG Helpline Team

Contact Helpline Director Elliott Fein

elliott.fein@erols.com



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Monitor Advertising

Sales Reps Wanted

Are you willing to contact companies (large or small) who may be interested in advertising in the *Monitor*?

Earn a commission on ads you place!

Please contact the *Monitor* editor at editor@cpcug.org for details

CPCUG MEETING SITES

1800 M = 1800 M St., NW, South Tower, 3rd Floor, Room S3031, Wash., DC

APA = American Psychological Assn, 750 1st St., NE, 6th Floor, Executive Office Suite, Wash., DC

ASHA = American Speech-Language-Hearing Assn, 10801 Rockville Pike, Rockville, MD

AUMC = Annandale United Methodist Church (see UHU Annandale, VA)

BCCSC = Bethesda Chevy Chase Services Center, 4805 Edgemoor Lane, 2nd Floor, Rooms A & B, Bethesda, MD

Bedford = Bedford Court, Activity Center, Senior Living Community, 3701 International Dr, Silver Spring, MD

CESC = Carver Educational Services Center, Auditorium, 850 Hungerford Dr., Rockville, MD

CPL = Cleveland Park Library, 3310 Connecticut Ave. NW, Large Mtg Rm, Washington, DC

EPFL-RR = Enoch Pratt Free Library, 6310 Reisterstown Road, Baltimore, MD

HH = Harmony Hall Regional Center, 10701 Livingston Rd., Ft. Wash., MD

HPTI = High Performance Technologies, Inc., 4121 Wilson Blvd., Suite 200, Arlington, VA

HSCL = Harbour Square Cooperative Library, 500 N St, SW (1 block south of Waterfront Metro), Washington, DC

IADB = Room B-300, Inter-American Development Bank, 1350 New York Ave., NW, Wash, DC

IVL = Interstate Van Lines, 5801 Rolling Road, Springfield, VA

KL = Martin Luther King Jr. Library, 901 G St., NW, basement auditorium, Room A-5, Washington, DC

MS = Microsoft Corporation, 5335 Wisconsin Ave, NW, 5th floor, Washington, DC

PC = Pentagon City Mall Eatery

Reboot (computer recycling) = 101 Fleet Street, Rockville, MD

Teaism = Teaism Restaurant, 400 8th St., NW, Washington, DC

UHU = Annandale United Methodist Church, Room 305, 6935 Columbia Pike, Annandale, VA

VAMC = Veterans Affairs Medical Center, 50 Irving St., NW, 4th Floor, IRM Room, 4C106a, Wash., DC

WCC = Washington, DC Convention Center, 801 Mt. Vernon Place, NW, Washington, DC

WELib = West End Library, 2nd Floor, Large Meeting Room, 1101 24th Str, NW, Washington, DC

Keep Updated!

Capital PC User Group meeting plans may change after the *Monitor* has gone to press. To get the latest information about meetings and special events (including topics, when available, and date, time, and location changes), bookmark and check <http://www.cpcug.org/user/comm/>.

CPCUG Training

UHU Annandale
Annandale United Methodist Church (AUMC),
Room 305
6935 Columbia Pike, Annandale, VA 22203

\$29 CPCUG & AUMC members; \$39 non-members
Register online at <http://www.cpcug.net/training.asp>
or by calling the CPCUG office 301-762-9372

All classes are 6:00-9:00 pm

October

- 2 – Creating and Posting a Resume Online
- 7 – MS Word – Form Letters, Mail Merge & Labels
- 9 – Introduction to PowerPoint
- 14 – Integrating MS Office Applications
- 16 – Job Hunting on the Internet
- 21 – Introduction to Home Networking
- 23 – Intermediate PowerPoint
- 28 – Windows Computer Maintenance and Troubleshooting

November

- 4 – Basic Computer Keyboarding and Mouse Skills
- 6 – Introduction to the Unix OS and Shell
- 11 – Introduction to Programming the OO (Object Oriented) Way
- 13 – Introduction to MS Excel
- 18 – Shopping, Traveling and Auctioning on the Internet
- 20 – Intermediate MS Excel

Harmony Hall Regional Center
Computer Room, 2nd Floor
10701 Livingston Road
Fort Washington, MD 20744

\$35 Residents & CPCUG members; \$45 non-residents
Register by calling Harmony Hall 301-203-6040

All classes are 6:00-9:00 pm

October

- 2 – Creating GREAT Presentations (Part 2), PowerPoint
- 7 – Introduction to MS Word
- 9 – Introduction to MS Excel
- 14 – MS Word – Flyers, Calendars and Graphics
- 16 – Intermediate MS Excel
- 21 – Introduction to MS Access, Part 1
- 23 – MS Word – Templates, Tables and Tabs
- 28 – Introduction to MS Access, Part 2
- 30 – Creating GREAT Presentations (Part 3), PowerPoint

November

- 6 – MS Word – Form Letters, Mail Merge & Labels
- 13 – Intermediate MS Access
- 18 – Integrating MS Office Applications
- 20 – Advanced MS Access

Capital PC User Group, Inc.
19209 Mt. Airey Road,
Brookeville, MD 20833

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Membership Benefits

1. Helpline for PC and Internet questions
2. Award-winning *Monitor* magazine
3. Economical classes at member rates
4. Mentors for computer specification/building
5. Discounts on software, hardware and training
6. Internet service options through CPCUG.ORG
7. Access to members-only e-mail lists
8. Free software and books for review writers
9. Valuable door prizes at some events
10. Opportunities to enhance leadership skills