

range Bytes

Award-Winning Newsletter of the North Orange County Computer Club*

Vol 38 • No 12

December 2013, \$1.50

Main Meeting December 8

Our speaker will be Seth Inyang, a co-founder of Factory eNova, where ordinary people can create objects using computer controlled laser engraving.

Big prizes for our special December raffle (such as a 7" Android Tablet and a USB 3.0 1TB hard drive) (See page 4)

November raffle winners' pix (See page 17)

The **Consignment Table & E-Waste Collection** will be held at the December meeting (See page 5)

Special Interest Group (SIG) & Main Meeting

9:00 a.m.

Linux for Desktop Users..... Science 131
Virtualization under Linux, Beginner's Qs

Visual Programming Science 111
Visual Basic, Visual Basic Script, Visual C++ and Visual J++

Exploring New Technology Science 109
Skype will be demonstrated. Bring your devices.

Beginners Digital Photography..... Science 131A
Tentatively about Christmas

Microsoft Word, Excel, and Outlook.. Science 306
Three parts of the Microsoft Office Suite plus Open Office

Books for Review & Coffee & Donuts: Irvine Hall Lobby

10:30 a.m.

Beginners PC Q & A.....Irvine Hall
For newbies who need help with their hardware, etc.

Linux Administration Science 131
More topics about the Linux operating system.

Apple Products..... Science 127
Apple products, projects & problems.

10:30 a.m.

Advanced Digital Photography..... Science 131A
Bring Your Own Camera Day

Understanding Operating Systems Science 111
Help with Microsoft Windows operating systems

Mobile Computing Science 109
Hands on TecTiles NFC demonstration

Microsoft Access..... Science 306
Database applications and more

12:00 Noon

PIG SIG.....Hashinger Courtyard
Brown bag lunch outside Irvine Hall

Visual Basic for Applications (VBA)..... Science 306
Access & Excel VBA code

12:30 p.m.

Advanced PC Q & A..... Irvine Hall
PC hardware & software topics and the Internet

2:00 p.m. Main Meeting Irvine Hall

NOCCC website:

<http://www.noccc.org>

2014 Future Meeting Dates:

**January 5, February 2, March 2,
April 6, May 4, June 1**



Table of Contents

SIGs Schedule for December	1
Future 2014 Meeting Dates	1
Orange Bytes Staff	2
December 2013 Main Meeting	3
President's Message	3
NOCCC Bylaws	3
Orange Bytes in Color	3
Have You Checked Out the Website?	3
Pig SIG	3
December 2013 Club Raffle Prizes	4
Prize Feedback	4
Save Your Parking Permits	4
Membership Benefits.....	4
Consignment Table & E-Waste	5
NOCCC Officers	5
NOCCC Help Volunteers	6
NOCCC SIG Leaders	6
Disabling Track Changes Completely	7
Problems Opening Documents from Expl.	7
Formatting for 100 th Seconds	7
Saving Changes in the Personal Wrkbk.....	8
Windows 7 Libraries	8
Web Browsing 101	10
You Just Got a New Windows 8 Computer..	10
Windows 8 Corner.....	12
Useful Bits & Pieces.....	12
Review Editor's Corner.....	13
Review – Windows 8 Hacks.....	14
November 2013 Main Meeting Report.....	15
November 2013 Raffle Winners.....	17
Beginner's Digital Photography SIG.....	18
Advanced Digital Photography SIG	18
Linux Desktop & Administrator SIGs.....	18
PC Q&A SIG.....	19
Microsoft Access SIG.....	20
Visual Basic for Apps SIG	20
Exploring New Technology SIG	20
Mobile Computing SIG	21
Apple Products SIG	21
Microsoft Office SIG.....	21
Visual Programming SIG	21
Understanding Operating Systems SIG	21
Membership Chairman's Column	22
Correction	22
November 2013 Board Meeting Minutes	22
STEM Page on the Website – Update	25
NOCCC Fee Schedule.....	25
Transportation Information	26
Ad Space & Members' Ads.....	26
Commercial Display Ads	26
Publication Information.....	27
Membership Application.....	27

Orange Bytes Staff

Editor - *Makes final selections of articles and lays out the newsletter. Converts the newsletter to PDF format and sends it to the printer*
 Steven Breitbart editor@noccc.org

Circulation - *Oversees mailing and distribution of the newsletter.*
 Richard Miller..... (714) 309-1504..... reviews@noccc.org

Reviews Editor - *Makes sure members meet review deadlines. Sends a copy of the newsletter to vendors of products we review. Maintain the Reviews Table at the meetings.*
 Richard Miller..... (714) 309-1504..... reviews@noccc.org

VOLUNTEERS NEEDED – ORANGE BYTES

The following positions are available. If you are interested, contact the editor at editor@noccc.org.

Orange Bytes Help – *There are several jobs that would make the Orange Bytes easier to produce and more accurate.*

- 1) Proofreaders** - *Proofread the newsletter in final draft form. The more proofreaders we have, the smaller the section to review could be. Right now we have one person proofreading the Orange Bytes*
 Larry Klees (714) 394-1870 larryklees@yahoo.com
- 2) Member Benefits Reviewer** – *We need a person to review the Membership Benefits, to verify that the offers are current.*
- 3) Reviews Monitor** – *Communicates with publishers and software vendors to obtain products to be reviewed.*
- 4) Associate Editors** - *Write articles for the Orange Bytes newsletter*

Social Media Contacts – *Maintain connections with social media on behalf of the club and write articles for the Orange Bytes about them.*

Commercial Advertising - *Obtain ads from vendors for the newsletter. See page 26.*

Classified Advertising - *Obtain computer-related, non-commercial ads for the newsletter for NOCCC members. See page 26.*

OTHER VOLUNTEERS NEEDED

APCUG Representative – *Represent the NOCCC at APCUG*

*Celebrating 37 years of
 “Friends Helping
 Friends”*



December 8 Main Meeting 2 p.m. Irvine Hall

On December 8, our Main Meeting speaker will be Seth Inyang, a co-founder of the Fountain Valley business Factory eNova. Seth attended Iowa State University and is a Mechanical engineer. He works full time as a product manager at a company that makes air conditioning for data centers.

Factory eNova started when Seth needed a way to make prototypes for his wooden sandal making business. Co-founder Vinh Lieu, who also works full time, had a CNC and prototyping business. They met, talked, and Vinh started making prototypes for Seth. Both of those businesses "did not go too far" but they decided to work together on a business where the public can have access to prototyping techniques at a low cost. They agreed that Laser Cutters are the simplest, yet most powerful tool from the list of techniques. Factory eNova is the result of their collaboration. They have three laser cutters and a 3D printer controlled by computers. Several types of classes and workshops are available to learn how to use the laser. The business is set up as a membership based do-it-yourself community studio where people can come in and work on projects, learn and mingle with local artists and peers. The studio provides computers and tools to laser engrave and laser cut, with more to come in the near future. They also offer a variety of services for those who need to get things done.

Members can purchase anything already made in the store for 10% off. They are committed to low price with the best service for everything they do. Vinh said, "You will be amazed what you can do with [a] low cost membership."

Factory Enova is located at 16540 Harbor Blvd., Suite H in Fountain Valley, California 92708, (909) 346-3496. They are located on Harbor Blvd. just south of Heil Ave. For more information, their website is www.factorynova.com and their Facebook page is www.facebook.com/factorynova.

President's Message

By Dr. Don Armstrong, NOCCC

Wishing Happy and Safe Holidays to all NOCCC Members.



NOCCC Bylaws

The club's Bylaws are available at:
www.noccc.org/bylaws-as-amended-1-4-9.pdf

Orange Bytes in Color at the NOCCC Website.

The latest issues of the Orange Bytes (as well as past issues) are available in PDF format, with **color** photographs. There is no user name or password needed. Go to our website: <http://www.noccc.org/>.

Have You Checked Out the NOCCC Website Lately?

>> www.noccc.org <<

Great looking, Easy to navigate, Orange Bytes Archive from 2002 to date, and New Features are added all the time!

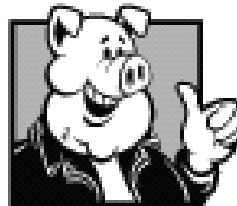
Rudy has developed a members-only page. As of Feb. 4, 2013, we have a working login capability using a member's badge number and email address from the club's database.

You can assist by trying all of the buttons and text fields on the "log-in" page. Give it a stress test. Try a "bad" login. Try different browsers. Try to hack your way in. Then send an email to webmaster Rudy (rblauter@cs.com) stating what browser you used, what worked and what didn't work.

In the meantime, Rudy will be working on appropriate material for the members-only page. Suggestions are welcome.

Pig SIG Open to All

Meet us outside **Irvine Hall** from about noon to 12:30 p.m. There are several benches where NOCCC people gather, eat and chat. Just look for the member badges, grab a chair and join in! This is an informal group; so many different subjects are discussed. It's a great opportunity to mix, mingle and network!



**Free coffee & tea at the
December meeting!**

Donuts are \$1 each
Cookies are 50¢ each
No Freebies!

THE DECEMBER 2013 NOCCC RAFFLE PRIZES

*Special Raffle for December -
Just in time for the holidays!*

*Every member attending will get one FREE ticket
for one special prize! (See photo)*



Slim USB 3.0 1TB hard drive/16GB thumb drive

**THE REMAINING PRIZES WILL BE DIVIDED BETWEEN
THE GENERAL DRAWING* AND THE MEMBERS ONLY
DRAWING. ---INCLUDING SEVERAL MYSTERY PRIZES**

- ❖ 7" Android Tablet, 32GB USB3 Flashdrive
- ❖ Five sets of two reams of printer paper
- ❖ Two sets of the triple pack LED headlamps
- ❖ Four electronic fly swatter/zappers

** Parking stubs are good for two raffle tickets each!*

See the article immediately below this list!

MEMBERS-ONLY DRAWING PRIZES:

**Wear your NOCCC Badge and get a free ticket! Wear your
NOCCC shirt too & get a second free ticket!**

Prize Feedback

Do you like the raffle prizes at the NOCCC Main Meetings? Were you able to use them? Did you give them away? Do you have any suggestions about the raffle? Let us know whatever your feelings are. Send responses to Jim Sanders at jsanders@ligasmicro.com.

Save Your Parking Permits!

To offset the cost of parking in the **Lastinger Underground Parking Structure**, the NOCCC Board approved a motion to give each member two NOCCC General Drawing raffle tickets in exchange for the Lastinger-parking permit. Turn in the bottom-half "receipt" part of your permit to Gerry Resch, the Raffle Leader, and he will exchange it for two raffle tickets.

Chapman University has allowed us to park in the Lastinger Parking Structure under Wilson Field for only \$2 for the whole

day of our meeting; normally \$2 is good for only two hours. The advantages of parking there are clear; you don't have to drive around looking for a legal spot (remember, don't park on the private home side of the street), the car doesn't get hot and you don't have to parallel park. There is even an elevator available to get down to the parking area.

Membership Benefits

As a valued member, we bring you a section of discounts and offers as part of the entire "Benefit of Belonging." (Caveat: we are unable to endorse these companies, but make these offers available as a service to our members.)

Updated October 26, 2013.

User Group Offers - Software and Hardware

User Group Relations – You can now order the latest release of **Acronis True Image 2014** from **Gene Barlow** for a downloaded, single license for \$25 and a Family Pack with three licenses for \$60.00. Go to www.ugr.com to order and enter the order code of UGNL0913. This top-rated backup utility has many new features and will work with Windows 8.

Techsmith - You can get **SnagIt 11**, an outstanding screen capture program for \$42.95. **Camtasia Studio 8.1** lets you quickly record, edit and publish multimedia demos and presentations, bundle for \$249. Go to <https://store.techsmith.com/government.asp>.

User Group Offers - Books and Magazines

Pearson Education Products including Prentice Hall Professional, Addison-Wesley Professional, IBM Press, Exam Cram, Que Publishing, and Cisco Press. Get 35% off list price by purchasing directly from the publisher combo site: www.informit.com/join. Sign in or create an account. Enter the membership code "USERGROUP" (all caps). Select your items and check out. You are required to register and apply the code once, but you must be logged in to receive the special pricing.

O'Reilly Books - Get **40% off** all books and videos from O'Reilly, Microsoft Press, Pragmatic Bookshelf, and SitePoint, or 50 % off books you purchase directly from O'Reilly. Just use code DSUG when ordering online, www.oreilly.com/store/, or by phone, (800) 998-9938. Free ground shipping on orders \$29.95 or more in the US. If for any reason you are not completely satisfied with your purchase, you can return it to O'Reilly and get your money back; see www.oreilly.com/oreilly/cs/guarantee. A return shipping label is included with every direct purchase and directions are posted online in case you misplace it.

Peachpit Press Books Discount - Get **35% off** by joining the Peachpit Club. Use the following hyperlink to sign up: http://memberservices.informit.com/my_account/login.aspx?partner=52 to sign up as a member. User group members should note that once you have become a Peachpit Club member, you might use your user group coupon code ON TOP of the permanent savings you earn as a member of the club.

Consignment Table

The NOCCC Consignment Table in the lobby of Irvine Hall **will** be available during the December 2013 meeting. It is open on even months, the same as the E-Waste collection. The regulations are:

- 1) Only current members can place items for sale, but non-members are welcome to purchase items from the table. This is a great place to get some money for your surplus computer items, and help the NOCCC at the same time.
- 2) The consignment table operates on a 90/10% basis — with the owner getting 90%, and the Club treasury 10%.
- 3) **Fill out a Consignment Table User List, which is available on the NOCCC web site and item tags for each item at the table.**

The user list and each tag must contain:

- a) Seller's name
 - b) Seller's NOCCC membership number
 - c) Item name and description
 - d) Item asking price
- 4) The seller may pick up all items and/or money at any time, but no later than 2p.m. on the day of sale. Any items and/or money not picked up by 2 p.m. will become the property of NOCCC and will be subject to disposal at the Club's discretion. The club has no storage room available for unsold items.
- 5) NOCCC is NOT RESPONSIBLE in any way for items bought and/or sold at the Consignment Table. Each item is placed and sold on an AS-IS BASIS.

E-Waste

California disposal laws have made it illegal to put monitors and computers in the regular trash. Omni Technics, Inc. **will** be at our regular meeting in December to collect E-Waste. They come **on even months**, so bring your "junk" this month. Call (562) 627-1910 or check their web site for more information:

<http://www.ca-recycle.com/>.

NOCCC Officers

The area code for the following phone numbers is 714 unless noted.

President

Dr. Don Armstrong 773-1187 president@noccc.org

Vice President

OPEN

Secretary

Steven Breitbart 486-3070 secretary@noccc.org

Treasurer

John Heenan 998-7660 treasurer@noccc.org

Directors

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Gerry Resch 772-6667 gerry@gerryresch.com

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Terry Dickson augiepool@gmail.com

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Webmaster

Rudy Lauterbach 529-5730 rblauter@cs.com

Volunteers, Committees and Projects

Consignment Table

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Raffle Leader

Gerry Resch 772-6667 gerry@gerryresch.com

Helpline

OPEN

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Membership Chairman

Ben Lochtenbergh (949) 653-2545 bal@msn.com

SIG Coordinator

Dallas Hazleton 992-4922 ghazleton4@dslextreme.com

Programs/Speakers Coordinator

OPEN

Public Relations Chairperson

Tia Christian 583-0404 lwilliams_00@yahoo.com

University Liaison

Dr. Don Armstrong 773-1187 president@noccc.org

Chapman U. Public Safety Office (Security) (714) 997-6763

For opening locked rooms, lost and found and other problems

NOCCC Help Volunteers

The **Help Line** is in the true spirit of the NOCCC, which is to help others to learn more about computers. The following is a list of Help Line subjects that an NOCCC volunteer is able to help you deal with. E-mail Steven Breitbart at editor@noccc.org with additions, deletions or corrections. Most volunteers prefer being contacted by e-mail. Mention **NOCCC** in the Subject line.

Apple II	Gerry Resch	714-772-6667	gerry@gerryresch.com
Corel Draw	Larry Klees		larryklees@yahoo.com
Digital Photography	Larry Klees		larryklees@yahoo.com
Excel	Gerry Resch	714-772-6667	gerry@gerryresch.com
GPS Navigation	Bob DeWolf	714-879-8269	rsdewolf@adelphia.net
Linux	Bob Palmer	714-749-0385	bpalmer@rccauto.com
Lotus 1-2-3	Gerry Resch	714-772-6667	gerry@gerryresch.com
Microsoft Office	John Heenan	714-998-7660	treasurer@noccc.org
PC Hardware	Jim Sanders	714-544-3589	jsanders@ligasmicro.com
Photo editing & Pshop	Larry Klees		larryklees@yahoo.com
QuickBooks - all ver.	Linda Russell	909-949-4930	qbqueen@verizon.net
Tcl/Tk & UNIX	Bob DeWolf	714-879-8269	rsdewolf@adelphia.net
Windows 7, Vista & XP	Jim Sanders	714-544-3589	jsanders@ligasmicro.com
Windows 9X & XP	John Heenan	714-998-7660	treasurer@noccc.org
WiFi & Networking	Jim Sanders	714-544-3589	jsanders@ligasmicro.com

Do you want to be an NOCCC Help Volunteer and assist other members with computing subjects that you know well?
If so, please contact editor@noccc.org.

NOCCC SIG Leaders

SIG	BLDG	RM.	TIME	LEADER	E-MAIL	PHONE
Linux for Desktop/Admin	Science	131..	9:00/10:30...	Bob Palmer*	bpalmer@rccauto.com	(714) 749-0385
Beginner's Digital Photography ...	Science	127	9:00	John Krill	noccc.bgphotosig@gmail.com	(949) 497-8658
Visual Programming	Science	111	9:00	Anson Chapman	chapmanAnson@gmail.com	(909) 860-9515
Exploring New Technology	Science	109	9:00	Ben Lochtenbergh	bal@msn.com	(949) 653-2545
Apple Devices	Science	127	10:30	Rick Thues	imentor@mac.com	(714) 728-3224
Word, Excel, & Outlook	Science	306	9:00	Tia Christian	lwilliams_00@yahoo.com	(714) 583-0404
Mobile Computing	Science	109	10:30	Ben Lochtenbergh	bal@msn.com	(949) 653-2545
VBA for Applications	Science	306	10:30	Bob Dickson	robertbdickson@socal.rr.com	(714) 539-1304
Advanced Digital Photography ...	Science	127	10:30	Larry Klees	larryklees@yahoo.com	
Understanding OS's	Science	111	10:30	Charlie Moore	mooreca@roadrunner.com	(714) 529-9071
Microsoft Access	Science	306	12:00	Bob Dickson	robertbdickson@socal.rr.com	(714) 539-1304
PC Q&A	Irvine Hall		10:30/12:30 ...	Jim Sanders	jsanders@ligasmicro.com	(714) 544-3589

Please report SIG changes to editor@noccc.org

***Contact for Linux SIGs**

Contact the SIG leaders by e-mail, preferably, rather than by telephone.

Word and Excel Tips

Word Tip – Ribbon Disabling Track Changes Completely

By Allen Wyatt, (last updated June 22, 2013)

Monica uses shortcut keys for applying styles and formatting in Word. Once in a while she accidentally turns on the Track Changes feature without realizing it, which causes problems for her. She would like a way to disable Track Changes completely.

The bad news is that there is no way to actually disable Track Changes. The good news is that you probably don't need to disable it. The problem isn't Track Changes, but the shortcut used to enable Track Changes. If you disable the shortcut, then you won't inadvertently turn it on while you are shortcutting away.

The shortcut key that toggles Track Changes is **Ctrl+Shift+E**. To disable this shortcut key, follow these steps:

1. Display the Word Options dialog box. (In Word 2007 click the Office button and then click Word Options. In Word 2010 and Word 2013 display the File tab of the ribbon and then click Options.)
2. At the left side of the dialog box click Customize (Word 2007) or Customize Ribbon (Word 2010 and Word 2013).
3. Near the bottom of the dialog box click the Customize button. Word displays the Customize Keyboard dialog box. (See Figure 1.)

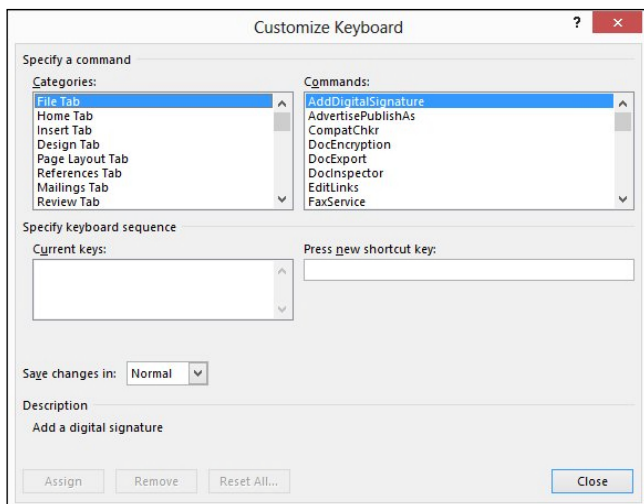


Figure 1. The Customize Keyboard dialog box.

4. In the Categories list, choose Review Tab.
5. In the Commands list, choose ToolsRevisionMarksToggle. You should see the Ctrl+Shift+E shortcut appear in the Current Keys box.
6. Select the shortcut in the Current Keys box.
7. Click Remove.

8. Close both of the open dialog boxes.

Since the shortcut for Track Changes is now gone, you'll no longer be able to accidentally turn it on.

WordTips is your source for cost-effective Microsoft Word training. (Microsoft Word is the most popular word processing software in the world.) This tip (8141) applies to Microsoft Word 2007, 2010, and 2013.

Word Tip – Menu Problems Opening Documents from Explorer

By Allen Wyatt, (last updated June 22, 2013)

If you have a problem opening Word documents from the Windows Explorer, the problem probably lies in how the document files are registered with the operating system. The first thing to try in correcting the problem is to unregister and reregister Word with Windows. From the command line, use the following command:

```
"C:\Program Files\Microsoft Office\Office\winword.exe"  
/unregserver
```

The quotes are necessary, but you may need to change the path so it reflects the location of the winword.exe file on your system. (You can use Windows' Search tool to locate the path to the winword.exe file.) The /unregserver switch "unhooks" all the references to Word in the Windows Registry. You should then, immediately, use the following command:

```
"C:\Program Files\Microsoft Office\Office\winword.exe"  
/regserver
```

This command causes Word to rewrite all its Registry keys and to reassociate itself with document and template files.

WordTips is your source for cost-effective Microsoft Word training. (Microsoft Word is the most popular word processing software in the world.) This tip (200) applies to Microsoft Word 97, 2000, 2002, and 2003.

Excel Tip – Menu Formatting for Hundredths of Seconds

By Allen Wyatt, (last updated June 29, 2013)

Paolo wants to record times in an Excel workbook, but he needs the times to be precise, including hundredths of a second. What he would like is a format such as 1.41.73, meaning 1 minute, 41 seconds, and 73 hundredths.

This type of formatting can be easily applied to a cell in the following manner:

1. Select the cell or cells you want to format.

2. Choose Cells from the Format menu. Excel displays the Format Cells dialog box.
3. Make sure the Number tab is selected.
4. In the Category list, choose Custom. (See Figure 1.)

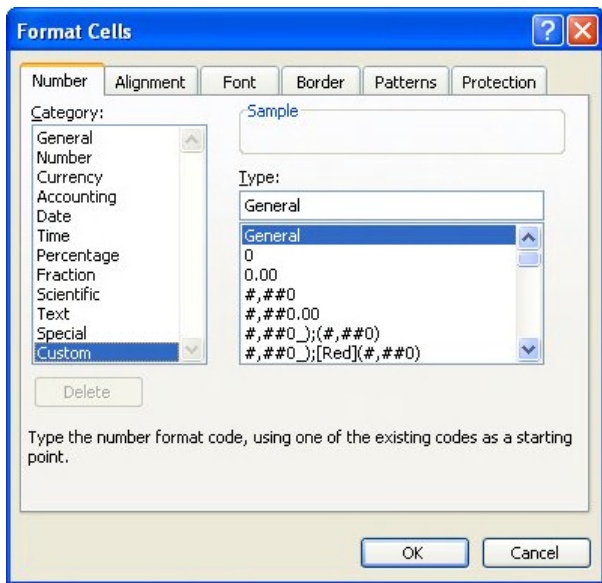


Figure 1. The Number tab of the Format Cells dialog box.

5. In the Type box, enter the following: [h]:mm:ss.00
6. Click OK.

The format shows elapsed time, with hours, minutes, seconds, and hundredths of seconds. If you prefer, you can change what delimiters are used between each element of the time. For instance, if you want to use decimal points and drop off the hours, you can use the following format in step 4: mm.ss.00.

ExcelTips is your source for cost-effective Microsoft Excel training. This tip (3085) applies to Microsoft Excel 97, 2000, 2002, and 2003. You can find a version of this tip for the ribbon interface of Excel (Excel 2007 and later) here: [Formatting for Hundredths of Seconds.](#)

Excel Tip – Ribbon Saving Changes in the Personal Workbook

By Allen Wyatt, (last updated September 26, 2013)

Every time Jason closes Excel, he is asked "Do you want to save the changes you made to the Personal Macro Workbook?" This is supposed to happen if he made a change to Personal.xlsb, but it happens even when he make no changes at all.

More than likely, this comes about because there really are some changes being made to the Personal.xlsb workbook. For instance, the workbook may have a dynamic function in some cell, such as =Now() or =Today(). These are updated immediately after opening a workbook, so Excel thinks there has been a change to the workbook. If such is the case, you will need to make Personal.xlsb visible and remove the dynamic

functions. (This assumes, of course, that they are not needed by anything else in the workbook.)

Another place to look for changes is in any macros in the Personal.xlsb workbook. Pay particular attention to macros that automatically run when you first start Excel. These macros may be saving temporary information somewhere within Personal.xlsb, which Excel sees as a change worthy of possibly saving. Check your macros to determine if this is the case.

If this doesn't do it, then get out of Excel and rename the Personal.xlsb file to something else. Start up Excel and use the macro recorder to create a simple macro that you store in Personal.xlsb. This creates a new file, and when you exit Excel you should see the prompt asking if the save should be made. Make the save, exit Excel, restart, and exit again.

If the same problem exists, you know it is not because of the Personal.xlsb file, but due to another cause such as an add-in. You could then try some of the things listed in the Microsoft Knowledge Base:

<http://support.microsoft.com/?kbid=919196>

This Knowledge Base article is specifically for Excel 2007, but the techniques it describes will work with later versions of Excel, as well.

If the new Personal.xlsb does not have the problem, copy all the VBA code from the old to the new and test again. If the problem is solved, you can delete the renamed version. If the problem returns it is something with the code, and you can repeat the renaming and retesting, checking each macro until you find the one causing the problem. Its code will have to be changed or deleted.

ExcelTips is your source for cost-effective Microsoft Excel training. This tip (8190) applies to Microsoft Excel 2007, 2010, and 2013.

Windows 7 Libraries

By Dick Maybach, member, Brookdale Computer Users' Group, NJ

February 2013 issue, BUG Bytes, www.bcug.com
n2nd (at) charter.net

Windows 7 introduced a new way of accessing files, *libraries*. These are roughly similar to program shortcuts. A shortcut points to a program, while a library points to group of files and/or directories. Neither takes up significant disk space, and you can delete either without deleting what they point to. Shortcuts appear on your desktop, while libraries appear in your file manager. The purpose of both is the same – make it easier to access things on your PC.

The argument in favor of libraries is best made by citing some examples.

- Your primary PC is a laptop with limited disk space, so you have most of your extensive collection of videos on an external USB hard drive, with just a few of your favorites

on your laptop. You create a video library that includes both the video directory on your laptop and the external hard drive. When you travel (without the external drive) it includes only your favorites, but when you're home it expands to hold your entire collection. If you fill the USB drive, you can add a second and see its contents in the same library. Searches are now much faster, since they will look only at your video collection, and it will appear in one place even though it may be spread over several hard drives. This becomes even more important if the external drives archive data other than videos.

- You are making a report that analyzes data from several different projects, each stored in a different directory. So you create a library that includes all the directories you need, and all the data appears to be in one place. When you finish the report, you can delete the now unneeded library without affecting any of your data.
- You have an extensive photo collection with recent ones stored on your desktop PC (in My Pictures) and older ones archived on a different internal drive that you added when your C: drive began to fill. Using a library brings these together seamlessly.

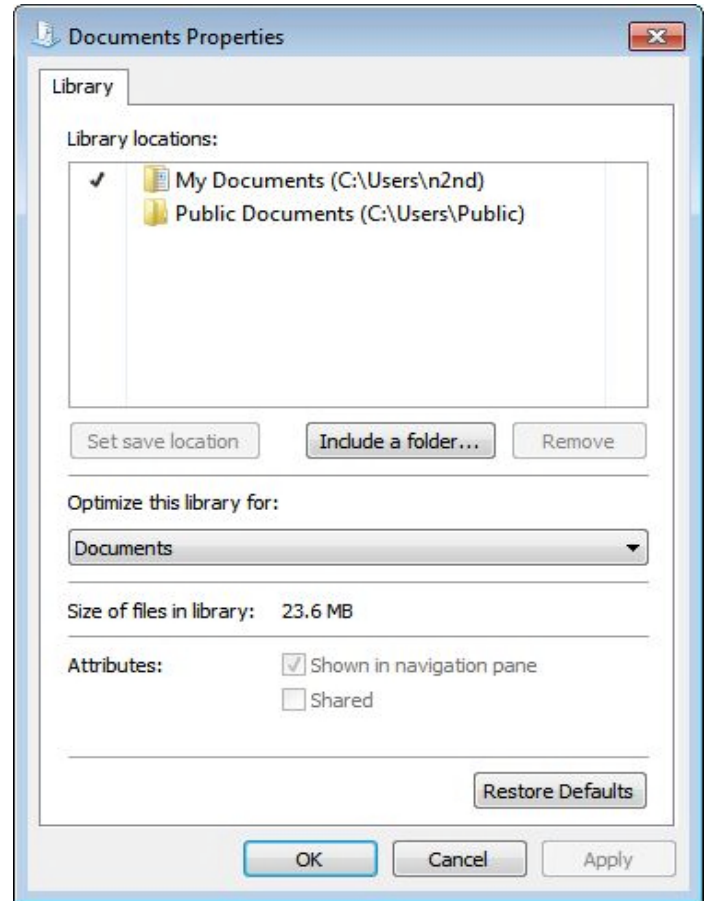
You can probably think of other examples that fit your own situation.

It should be obvious that libraries don't affect the need to organize your files logically into directories. If you just throw everything together in My Documents, every library will contain all your files. Libraries augment your directory structure; they don't replace it.

Libraries can include files and directories on internal hard disks and on USB hard disks with NTFS or FAT-32 file systems. In general, they can't access USB memory sticks, DVDs, CD-ROMs, or drives on home networks. (There are some exceptions, but these aren't common.)

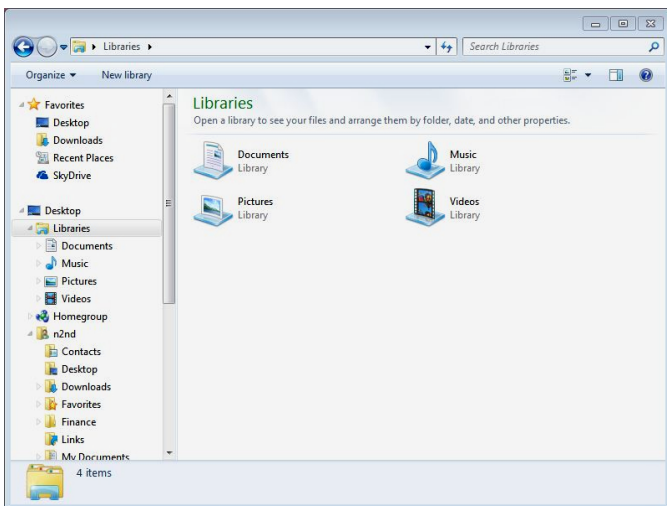
You can see your libraries by calling the Windows File Manager; just click on the folder icon in the taskbar at the bottom of your screen. The screen-shot shows the result, which shows the default libraries. (You may have to click on Libraries in the side panel to see something similar.) Note the *New Library* item in the File Manager menu bar; click on this to create one.

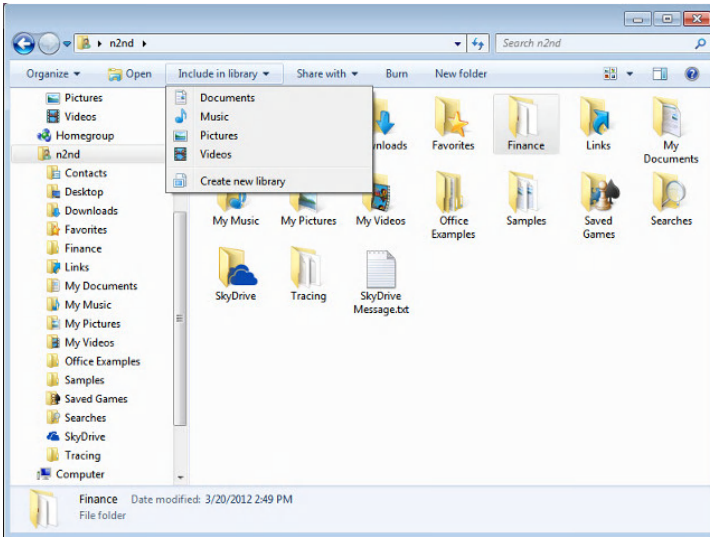
Before you use a library, right-click on its icon and select *Properties* to see something similar to the second screen-shot. Although a single library can include many folders, new additions always go the same folder. The default save folder for the Documents library is My Documents, click on a different folder, then click on the *Set Save Location* button; a check-mark indicates your choice. Add or remove folders from the library by clicking the appropriate button below the Library locations box. While you have this window open, click on the button below to optimize the library for general items, documents, music, pictures, or videos, depending on its contents.



Any time you are using the file manager you can add folders to a new or an existing library. Single-click on a directory, then click on the *Include in Library* item in the menu bar, and the drop-down menu shows the existing libraries to which you can add the directory, or you can click *Create New Library* to create a new one. (See the screen-shot below.) *[Editor's Note: Next Page]*

When you open a library, what you see depends on the display option you've chosen. The screen-shot below shows my Pictures library. I've just clicked on the button next to "Arrange by," which shows that I've selected "Folder." If you select anything else, you will see all the files in all the folders included in the library arranged by month, day, rating, or tag. Your choices of arrangement depend on how you've optimized the folder. In my Documents library, for example, these are folder, author, date modified, tag, type, and name. While in a library, you can move to a directory by right-clicking on it and selecting *Open folder*





location. Similarly, if you right click on a file and select Open file location, you will move the directory where it resides.

Libraries provide an alternate to the traditional directory tree, which you may find convenient for at least some of your work. It would be worthwhile to experiment with them enough to know when.

Web Browsing 101

By Sandy Berger, CompuKISS

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Do you know the difference between a browser and a search engine? If not, it's time to learn the jargon! At the same time you can learn all about Web browsers and what they can do for you.

Often when I ask people which Internet browser they are using, they respond "Google." Yet, Google is not a Web browser. It is a search engine. This is a confusing concept for many. When you go to the store you may be browsing through the aisles while searching for a certain item. You can't be searching for a certain item unless you are already in the store browsing through the displays.

You can apply that concept to the Internet. You browse with an Internet browser like Internet Explorer, Google, Chrome, Safari, etc. You search with a search engine like Google or Bing. You cannot use Google, Bing, or any other search engine unless you use a Web browser to get on the Internet first. So the Web browser is your gateway to the Internet.

There are many different Web browsers. If you use a Windows computer, phone, or tablet, the default Web browser is Internet Explorer. You may know it as the blue "e" that you use to get on the Internet. If you are using a Mac, iPad, or iPhone, the default Web browser is Safari. The icon that starts it looks like a compass. Other popular Web browsers include Opera, Firefox, and Chrome.

All of these browsers are free. All work in a similar manner. Each has tabbed browsing, bookmarks, auto fill, zoom, pop-up blockers, and automatic updates. Yet each one is just a little bit different. The toolbars and menus look different. Things are in different places. For instance, each browser handles downloaded files a little differently and may give you different download options and put the downloaded files in different folders.

Sometimes, even main features vary. For instance Safari, Internet Explorer, and Firefox have parental controls. Chrome and Opera do not. Both Opera and Safari have Mouse Gestures, which allow you to move your mouse in simple ways to give the browser commands without using the more cumbersome menu choices. Internet Explorer, Chrome, and Firefox do not have Mouse Gestures.

All of these browsers work with Windows XP, Vista, Windows 7 and Windows 8. All, except Internet Explorer, which is Windows only, also work with the Mac OS. Depending on which tablet and/or smart phone you own, you can often also install these Web browsers or mobile versions of them on your portable devices. Your tablet may also have a special Web browser for use only on that tablet. One example of this the Web browser called "Silk" that is built-into the Amazon Fire tablets.

If you are working on a PC or Mac, it is a good idea to install a second Web browser. This gives you an alternative way to get on the Internet if, for some reason the browser you usually use is not working properly. Not only can you install two or three different Web browsers, but you can use them all at the same time, if you wish. This makes it easy to try an alternative browser. You can run them side-by-side to decide which one you like better.

If you are currently using Internet Explorer or Safari and want to try another browser, check out Opera or Chrome. If you look at both of these browsers, you will see a stark contrast. Opera has all of the controls and menus visible while Chrome has a much cleaner look, with fewer obvious controls. It is up to you to determine which type of interface you prefer.

Here are links to several popular Web browsers. All are FREE!

Opera – www.opera.com

Chrome – www.chrome.com

Safari – www.apple.com/safari

Firefox – www.firefox.com

Internet Explorer – Built into Windows, not available for individual download

You Just Got A New Windows 8 Computer: Now What?

Phil Sorrentino, Member, Sarasota PCUG, Florida

May 2013 issue, PC Monitor

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I know, exactly, that feeling of excitement when you first turn on your new computer. I have done it many times since my first

PC back in 1982. You push the “on” button and wait for the initial screen to show up to give you that wonderful feeling that tells you, you now have a new computer. But after the screen lights up and initial excitement wanes, what do you do next? If you are moving from Windows 7 to Windows 8 there will be a lot of familiar things to do and there will be some new things to consider. For one thing, after some preliminaries, like setting the language (English), Microsoft would like you to set up an account with them in the “cloud”. You don’t have to, but Microsoft would like to give you a SkyDrive account with 7GB of memory, free. This “SkyDrive” account, in the cloud, will be a place for you to store files like documents and pictures; but more importantly Microsoft can use that account to synchronize your computers, if you so desire. (If you don’t want to set up a SkyDrive account you can opt for a “Local” account.) After you setup your User Account the display will go to the new “Start” screen - you know, the one with all the Tiles. Now the fun starts.

The Start screen is probably the first unfamiliar thing you will have to get over. If you are feeling a little queasy and you have to get to something familiar, then find the “Desktop” tile, on the Start screen, and click it (or touch it if you have a touch-sensitive screen). The desktop tile is probably in view on the new Start screen, and a single left click will get you to the familiar Desktop... go ahead, give it a try. When you get there you will find that it looks very much like the old Windows 7 Desktop, except that down in the lower left corner, there is no “Start” button. Well, this is one of the very first and seemingly difficult differences to get over during this transition from Win7 to Win8. Don’t let it get to you. In fact, the Win8 Start screen (the one with all the tiles) provides all the capabilities that were included in the Start button in Win7, and then some. So when you click the Desktop tile, voila, there is the familiar Desktop (sans Start button). Notice all the familiar things, the Background, the Notification Area (lower right), the Taskbar, Icons (short-cuts) typically on the left. Go ahead, play with it, just make believe you’re back in Windows. Most everything should feel very familiar. To get back to the Start screen, just point to the lower left corner until a thumbnail shows up. A left click will get you back to the Start screen, but a right click will give you a menu with a lot of familiar capabilities, including the Control Panel and File Explorer.

If you ever took one of my classes you will remember that Windows Explorer held the keys to the kingdom. Well, now Windows Explorer has been renamed “File Explorer”, so File Explorer now holds the keys to the kingdom. Fortunately, there is a File Explorer icon pinned to the taskbar on the Desktop (along with the other explorer, Internet Explorer). Let me take a minute here to say that this Internet Explorer is the one that you are familiar with. When you get to the Internet Explorer tile, on the Start screen, you will find a slightly different user interface. The familiar menus and tabs will be missing and the address bar will be on the bottom, instead of on the top. They both do the job, but I guess it’s up to everyone to decide which one they like. Right now, I think, the jury is out on this.

Once you get over the idea of a new Start screen and have reveled in the familiarity of the Desktop, there may be some things that you may want to do. First, go to Windows Update in the Control Panel and update Windows. Your copy of Win 8

may have been created many months prior to your starting up your new computer. During that time there were probably many updates to Windows that your computer has not gotten, so get them and install them now. (My new laptop computer had not been updated for 268 days and needed 36 updates.) By the way, you’ll probably want to update all of your Apps when you get around to it, but more on Apps in a future article. Here’s another way to get to the Control Panel: go back to the Start screen (If you have not done this yet, move the pointer to the lower left corner and when a thumbnail of the Start screen appears, left-click it.) and just start typing c.o.n.t. Immediately after you start typing, you will be in the Search Capability, and Control Panel will show up on the left. There is a lot going on here which is probably enough for still another article. But just click on Control Panel and you will be taken to another familiar screen, the Control Panel. You’ll find Windows Update in the alphabetical list, if you are in the Icon view.

Another thing you may want to do early on is decide on Virus Protection software. Many new computers come with a starter Virus Software subscription from McAfee or Norton or some other manufacturer. If it is installed on your computer you can use it for the initial subscription time, usually a few months. Or, if you know you do not want to use it, Windows now comes with Windows Defender which now includes both Virus protection and Spyware protection features. If you decide to use Windows Defender, you should first uninstall or at least disable the Virus software that was initially included. After that Virus software is not in the picture, you can turn on Windows Defender. You can get to Windows Defender through the Control panel.

Once you have a virus protected computer, you can venture out on to the Internet. (Although you were probably out there already, if you setup a Microsoft SkyDrive account.) The “Store” tile on the Start screen is the place to go for new Apps. I used it to get the Yahoo Mail App so I could easily get into my Yahoo Mail. There is a generic Mail App on the Start Screen, but I wanted the one that was developed by Yahoo. Yahoo has tried to make their Mail (for Mobile devices) App very similar to their Desktop Mail experience. To find a specific App when you are at the Store, just start typing and the Search Capability will pop up on the right side of the screen, with “Store” highlighted, showing you that you are searching the Store. Type in the App name and if it is available it will show up on the left side of the screen. Follow the directions for installation and it will be installed on your computer. The Yahoo Mail App was installed in no time, finally signaled by the audio cue indicating the download was complete. Windows 8, I am told (and so far I have no reason to not believe it), has a lot of security and performance improvements, besides the new Tiled User Interface. It seems to be a good step in the right direction. It incorporates new capabilities while maintaining all the familiarity and usefulness of the very popular Windows 7, so don’t hesitate to jump in, the virtual water is just fine.

Windows 8 Corner

By Rosita Herrick, Member, Sarasota PCUG, Florida

May 2013 issue, PC Monitor
www.spcug.org, editor (at) spcug.org

The Store App

One of the Apps (applications) distributed with Windows 8 is the Store application as shown below.

There are over 100 free Apps available for download including games, productivity and utility Apps like U-tube Downloader, Windows 8 Tool Box etc.

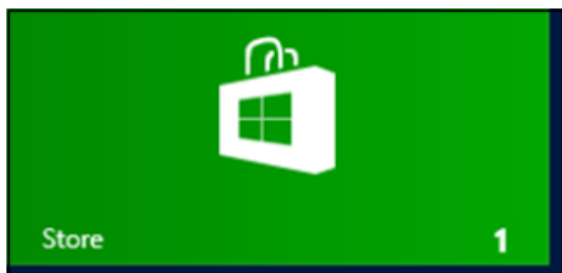
When you click on the Store app, you will see three tiles titled: Top Paid, Top Free and New Releases. Clicking on any of these tiles will open a full screen with names, (prices if any) and description.

Installing an App from the Microsoft store is easy. If the App is free, just click on the install box and in less than a minute it is installed and available for access. If the App is not free, you can download it for a free trial or pay using your Microsoft account.

Uninstalling an App is just as easy. On the Start Screen, right click on the App. At the bottom of the screen, a bar with 6 icons is displayed. Just click on the Uninstall icon and it will be uninstalled and removed from your PC.

If you are curious why the number 1 is displayed on the Store App tile, it is because on one of the Apps I downloaded it has an available update. When I click on the Store tile, the Update link is displayed on the upper right corner.

A click on the link will show the name of the App (in this case Utube Player/Downloader) and at the bottom of the screen will be the option to install the update.



Useful Bits & Pieces

Lorin R. Garson, Columnist, Potomac Area Technology and Computer Society, MD

May 2013 issue, PATACS Post, www.patacs.org
newslettercolumnist (at) patacs.org

Open Garden

Open Garden has nothing to do with horticulture. It's a technology that interconnects devices such as smartphones, laptops and tablets to form a wireless peer-to-peer mesh network

for access to the Internet. For example, by installing Open Garden on your cell phone and laptop (PC and Mac), your laptop has access to the Internet via your phone when Wi-Fi hot spots are not available. If others have Open Garden installed on their devices you would all share connectivity and bandwidth. It is the digital equivalent of grazing on the commons. Open Garden provides an "automatic path choice." When the software detects multiple Internet connections, it will select the fastest one available and will switch to another connection if the original slows or goes off line. The advantage is that it can offload traffic from an overburdened access route to one less utilized, say from a 3G or 4G connection to an enabled Wi-Fi__33 connection.

Currently Open Garden is available for Android, Windows, and Macintosh operating systems. An iOS version (for the iPhone) is planned for the future. In principal widespread deployment of this technology could reduce capital expenditures for wireless carriers such as Verizon, AT&T, Sprint, etc. by transferring traffic from their cellular circuits to Wi-Fi__33. However, the carriers might revolt if they perceive they will lose revenue that is not made up by lower capital investments. It is a complex business situation and no one knows at this time how the cell phone companies will react or if consumers will adopt Open Garden. For more information see <http://opengarden.com/>, <http://opengarden.net/> and <http://opengarden.com/story.php>.

Improving PC Performance by Adding Memory

Increasing the amount of memory in your PC is the simplest and least expensive way to improve performance. The procedure is quite simple even for those who are hardware challenged. These instructions pertain to desktop PCs, although adding or changing memory in laptops is similar (see <http://www.wikihow.com/Upgrade-YourLaptop%27s-RAM-Memory>).

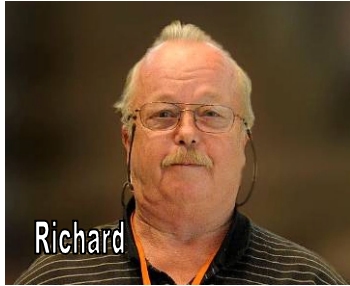
1. Determine how much memory is currently in your computer (instructions for Windows 7) by: left-click on Start, right-click on Computer, then left-click on Properties. Under System will be a line "Installed memory (RAM)".
2. Determine how many memory slots are available in your computer. This can be done by consulting your PC owner's manual, opening up your computer for inspection (more on this later), or using one of the tools such as that available from Crucial.com (see below).
3. Determine how much memory you need. This is rather subjective. Many will advise "you can't have too much memory", but 4-8 GB is probably adequate for most people. 12-16 GB or more may be advisable for those doing video or photo editing. For those playing computer games or doing heavy duty processing, the more the better.
4. Determine the correct memory needed for your computer. Again, this information should be available in your PC owner's manual. For example, for the HP Pavilion HPE h8xt the memory specified is SO-DIMM, 204-pin DDR3DIMM, PC3-10600 (1333 MHz) DDR3-SDRAM, Unbuffered, non-EC (64-bit) DIMMs, 1.5 V memory only. It is crucial that you buy the correct memory; there are many kinds of memory (DDR, DDR2, DDR3, RDRAM, SDRAM, etc.) sold by numerous vendors (Amazon, Newegg, TigerDirect,

CONTINUED ON PAGE 14

Reviews Editor's Corner

Products Available For Review

The NOCCC regularly receives copies of books and sometimes software from vendors for our review. **We can also request specific products for you to review.** These reviews are published in this newsletter, the Orange Bytes.



Then, you get to keep the book or software. If you are interested in doing a review, please send an e-mail to reviews@noccc.org and provide your membership number, phone number, and e-mail address. You can pick up the product from Richard Miller in **the lobby of Irvine Hall between 9 A.M. and Noon** at the regular monthly NOCCC meeting.

Note to Reviewers

- ❖ You have 2 months to submit a review. Due-cause time extensions must be requested from the Reviews Editor.
- ❖ You must leave a security deposit (check, credit card number or cash equal to the product's list value.), returnable upon our receiving an acceptable review.
- ❖ If you decide to return the product without reviewing, there is a \$2 penalty after the first month and a \$5 penalty after the second month.
- ❖ Guidelines for preparing your review are spelled out at <http://www.noccc.org/>. **Click News, Site Tech Info.**

Books

Social Networking & Internet

New: On Top of the Cloud: How CEO's Leverage New Technologies to Drive Change & Build Value Across the Enterprise – Authored by Hunter Muller from John Wiley & Sons. MSRP=\$65.

Mom Blogging for Dummies – Learn how to set up your blog and use it to sell your products & services. From Wendy Piersall from Wiley. MSRP=\$25.

The New Technology Elite – By Vinnie Mirchandani. From Wiley. MSRP=\$50.

Digital Photography & Design

Photoshop CS6 Quick Start Guide - By Weinman & Hove. From Wiley. MSRP=\$40.

New: The Photoshop Elements 10 Book for Digital Photographers – Authored by Scott Kelby & Matt Kloskowski from New Riders. MSRP=\$50.

New: Adobe Photoshop Elements 10 Classroom in a Book – The official training workbook from Adobe Systems. From Adobe Press/Peachpit Press. MSRP=\$45.

The Portrait Photography Course – Principles, practices & techniques. By Mark Jenkison, from Peachpit Press. MSRP=\$40.

Professional Portrait Retouching Techniques for Photographers using Photoshop – Learn how the pros do it. By Scott Kelby, from New Riders. MSRP=\$50.

Canon PowerShot G12 – From snapshots to great shots by Jeff Carlson from Peachpit Press. MSRP=\$25.

Adobe In Design CS5 Classroom in a Book - By Olav Kvorn & David Blatner. From Peachpit Press. MSRP=\$55.

Adobe "Real World In Design CS4 - The book covers the waterfront in Adobe's 'New Design Suite.' By Kvorn & Blatner. From Peachpit Press. MSRP=\$50.

New: The iPhone Book – By Scott Kelby & Terry White. From Peachpit Press. MSRP=\$25.

Picture Perfect Practice – By Robert Valenzuela. From New Riders. MSRP=\$45.



Product Reviews

Windows 8 Hacks

Reviewed by Iris Yoffa, Member, Tucson Computer Society, AZ

May 2013 issue, eJournal, www.aztcs.org,
Irisonthego (at) gmail.com

Windows 8 Hacks is a nifty little task-oriented volume. It is not an overview or introductory text to Microsoft's latest Operating System. And granted, much of what is contained within these pages can be found online. However, I fall into the category of not knowing enough about Windows 8 and its underpinnings to know what to ask the Great Google to fetch for me. So I looked through this book and thought it would be a great instructional guide to learning the ins and outs of customizing this OS. As I continued to browse, I noticed some of the hacks I was interested in require Windows 8 Pro or Enterprise to be installed on my machine. Microsoft has eliminated many of the command-line utilities we all love to use to get "under the hood" in a new computer's edition of the OS that's installed by default. Sadly, even the first hack, Disable Windows 8's Lock Screen, just won't work for me because gpedit.msc is not accessible on my new laptop. I feel as if I just bought a cripple-ware computer! But enough whining.

This book contains an abundance of useful step-by-steps for making Windows 8 more efficient for you. Even more important, there are great explanations of how the particular subject of the hack works. For example, Hack 70: Hack DNS to Speed up Web browsing (a way to speed up your web browsing using any type of connection). This hack has a succinct explanation of the Domain Name System and how to implement the free OpenDNS service on your computer and/or entire network. It's simply a matter of changing the DNS addresses in Internet Protocols on your PC or router. Windows 8 Keyboard Shortcuts are listed nicely in a table in Hack 38.

This is really handy for us non-touchscreen users. Using the keyboard for direct access to features is so much more efficient than pointing at corners of the screen and then click-click-click. Hack 39 is a table of Windows 8 Gestures. Hack 44 is all about SkyDrive, what it is, how to use it, and why you should download SkyDrive for Windows (not the one preinstalled) to gain full functionality.

I surely miss the Start Menu. I hear I am far from alone in this complaint. Hack 8 explains how to create a folder that contains a complete listing of all your installed applications, including the system apps and Win8 apps.

Pin it to the start menu and drag it into an accessible spot. Double-click the folder to see the complete list and use the new File Explorer search bar to find anything quickly. Hack 85 contains instructions for accessing the Win8 secret administrator account. This account is not subject to the UAC controls. Think super-user or root on Linux systems. So once you figure out how to get past your start screen, you'll find Preston Gralla's

book a great asset in modifying or optimizing everything Windows 8. From startup and desktop to networking and security to e-mail, hardware and the registry, every aspect of the OS is touched upon.

While the title uses the term Hacks, I consider them 121 gems of hidden keys to opening up the potential of Win 8.

About: Windows 8 Hacks: Tips & Tools for Unlocking the Power of Tablets and Desktops

Author: Preston Gralla

Publisher: O'Reilly Media

<http://shop.oreilly.com/product/0636920024958.do>

ISBN-13: 978-1449325756

Price: \$24.99, \$14.45 @ Amazon

Useful Bits & Pieces

CONTINUED FROM PAGE 12

Micro Center, etc.) including some manufacturers. Companies that sell memory will sometimes provide a tool you can download that will tell you the type of memory your computer uses, the number of memory slots available on your machine, etc. For example see Crucial.com at <http://www.crucial.com/store/drammemory.aspx>. It is generally advisable to use exactly the same brand, model with the precise specifications for all memory rather than just add additional memory.

5. Installing the memory.

- a. Unplug everything from the computer, although some recommend leaving the power cord plugged in to ground the computer, but be certain the computer is not running.
- b. Be sure to ground yourself to the computer case before working on the machine. Static electricity can seriously damage components of your computer. It is preferable to use an antistatic wrist strap for this purpose (see http://en.wikipedia.org/wiki/Antistatic_wrist_strap). These devices are quite inexpensive.
- c. Open up the computer's case. This will be somewhat different for every machine. Sometimes a screw driver will be needed.
- d. Locate the memory module(s) and carefully remove them, assuming they are being replaced. Some memory cards have clips at the ends while others tilt forward or backward to remove. Look carefully and go gently.
- e. Snap the new memory module(s) in place taking care to seat them correctly. Apply pressure evenly across the width of module. Often you will hear a "click" as the module is seated.
- f. Close up the computer and reattach all the peripherals.
- g. Boot up the computer and check to verify (step #1) that the computer "sees" all the memory you installed.

6. See

<http://www.microsoft.com/athome/setup/addmemory.aspx#fid=jzxbLYldz7> for useful information on this topic from Microsoft.

November 3, 2013 Main Meeting Report

By Steven Breitbart, NOCCC

Club Business

Pres. Don Armstrong welcomed two new members Spiral Palmer (I) and Becky Klug. He also mentioned the meeting reminder sent out by Jim Sanders, which included asking for suggestions for raffle prizes. Jim asked if people had read the meeting notification. He said that in the notification he raised



the issue about suggesting raffle prizes at the Main Meeting.

Then Don asked if anyone had any items for Random Access. Ben Lochtenbergh made a comment about Twitter. He said to use the hashtag #NOCCC when using Twitter about club related items. Steven Breitbart mentioned that he has been asking for help on the Orange Bytes for months. He said he was asking for someone to check the Membership Benefits and got no response. Finally, he did it himself and it took ten minutes. He would like a volunteer to do that job and also find books and software for us to review. Gerry Resch and other people mentioned that several restaurants will be giving discounts or free meals to veterans on Veterans Day, Monday, November 11.

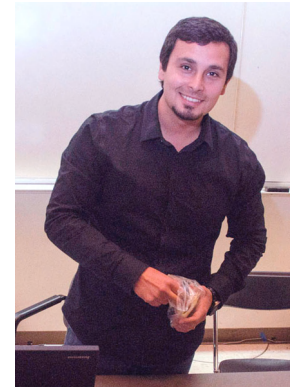
After the speaker, Gerry conducted the raffle.



Main Meeting Speaker

Don introduced our speaker, Hunter Ruthrauff, who will be talking about 3D printing. Hunter attended Cal Poly Pomona and then the University of Washington. He is now a structural engineer in San Diego.

Hunter described his job as a bridge architect and he works on projects being built around the world. His night job is running a product design studio which specializes in house wares, furniture and is expanding into architecture. They also offer 3D printing services.



What is 3D printing? It is an additive process where you build up an object layer by layer, each layer being a thin cross section of the object. It was invented by Chuck Hull in 1984. The printers are now fairly affordable; a desktop printer sells for about \$1,200 to \$5,000, a significant decrease in price compared to five years ago and accounts for the fact that 3D printing is now becoming ubiquitous in our culture.

He passed around some 3D printed parts made using made of various materials. One was made from ABS (Acrylonitrile Butadiene Styrene) plastic, biodegradable PLA (Polylactic Acid), nylon, metal and some other plastic. He showed a slide of a piece of jewelry made by 3D printing that would be impossible to make any other way.

The process, shown on a slide, is CAD (Computer Aided Design) to CAM (Computer Aided Manufacturing) which takes



the design and creates the slices that the specific printer can use. For CAD, any software that can produce a 3D drawing can be used. Hunter showed a slide of a bridge pylon in which four pieces made using a MakerBot 2 3D printer will be assembled into one part.

Hunter then addressed the subject of why 3D printing has flooded our culture. One reason is that it is an additive process, the volume of material determined by the digital model is the exact amount of material you will need. This is different from typical machining, in which you start with a block of, say, aluminum and machine away what you don't need, which yields a lot of waste and is not an efficient process. At times 90% of these materials are machined away. Aluminum, wood or foam cannot be recycled. Also, when milling something out of a block, the milling cutter may not be able to get around the block and reach all areas. [**Editor's Note:** In the aerospace industry, they do recycle the metal waste.]

3D printing, on the other hand, can yield limitless geometric possibilities. Also, it is an optimistic business. They are working with diverse materials such as powders, resins, plastics and metals. The industry is headed toward being able to use almost any material for 3D printing. Because materials can be combined with binding agents they have extraordinary potential. They are taking known materials and creating new ones, “a little bit like alchemy”.

Hunter showed a slide of a four-axis CNC (computer numerical control) milling machine which had machined a piece of wax. It took six hours to machine the wax. When the part was made using 3D printing, it took half the time.

He described several types of mainstream 3D printing:

- Direct Metal Laser Sintering. A laser traces across carbon powder and it melts and solidifies. The workpiece lowers for the next layer and more powder is poured over the workpiece. You wind up with a finished product submerged in powder.
- Selective Heat Sintering. You use a plastic powder and use a laser to melt it similar to Direct Metal Laser Sintering, just with a different material. After the printing is done, it needs to be carefully removed from the vat and cured, that is hardened, by pouring a liquid chemical over the workpiece.
- Selective Laser Sintering. Similar to the two types above.
- Fuse Deposition Manufacturing. Again, similar to the method listed above but instead of powder, you extrude a hot plastic through a nozzle.
- Stereolithography. Start with a resin, cured with a photopolymer which traces the cross section and hardens the liquid resin.

Hunter said the industry is moving to 3D printers in which the printing bed moves in three directions instead of moving the laser or nozzle. Hunter said we have stepped away from printing singular objects, singular materials and singular colors. We can now manufacture things various colors and materials simultaneously. In addition, you can start with one type of white plastic powder and end with several different colors by changing the characteristics of the laser.

Many varied objects can be made using 3D printing including replacement organs, household objects and architectural models. Hunter then showed several slides of 3D printed objects:

- A concept design architectural model of a building tower skin which was quite bizarre, but he said he thought it wasn't chosen to be built.
- A concept chair which was also quite bizarre and not something you could actually sit on. The chair contained rubber, wax and plastic with varying degrees of opacity.
- A toy-sized rear axle made of several parts all of which were made using 3D printing and then assembled.
- A recently designed snowboard made of five pieces. Each piece was 3D printed at the same time from carbon-based powder. The pieces were vertical on the printing bed. Hunter said the joinery was present at the top ends, but wasn't clearly visible on the screen. The board was made by Signal Snowboards and is now available for sale on their

website. This demonstrates that large function final products can be made using 3D printing, not just prototypes.

Other 3D printed items shown were: bracelets, lamps, a carpal tunnel glove, a steel sphere and a custom made, lightweight, mesh-like cast for a forearm made from a scan of the patient's arm. However, Hunter said it would need to be made in two pieces to get it onto someone's arm.

Architects now have the computational ability to design “infinitely complex geometry” but machining a model using traditional machining is extremely expensive. 3D printing is a feasible alternative. One architect actually wants to print actual buildings someday.

NASA is studying using moon dust with a binder for moon colonies. They are laying down a concrete-like material and extruding it laterally. They are testing this in deserts around the world to see if it is feasible.

Boeing invented 3D printing with metal powder. The Navy wants to have 3D printers on a ship to produce replacement parts in real time, in the field.

One product designer is 3D printing glass objects out of sand using the sun. A numerically controlled shield tracks the path of the sun, concentrates and focuses the energy at a rate that melts the sand. A photovoltaic is used to power the motors that move the sand bed. The finished product was a glass bowl. The process uses almost no outside energy.

There is a TEDtalk about another person who wants to print an airplane skeleton made of 3D printed fibrous and porous parts, which would result in weight savings.

He showed a slide of a cuff link with a pattern. Hunter did not design the pattern. He created an algorithm that designed the pattern. 3D printing represents a change in the paradigm of design. That is, we are moving to designing things parametrically instead of specifically. Objects that you used have to assemble can now be printed together. You can print one part inside another instead of machining the outer part in two halves, fastening them together with the inner part installed inside.

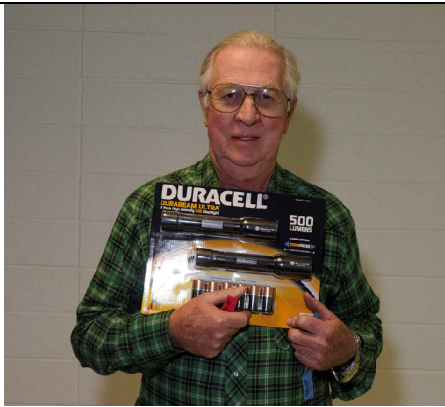
Someone asked about 3D Printing used for medical applications. Hunter said they are using 3D printing for medical equipment, bone sockets and to rebuild organs. In general, the medical field is huge proponent of 3D printing. People in the audience said they are building kidneys and ears and that in 50 years they will be able to print a new heart from a patient's stem cells instead of getting a transplanted heart.

Hunter answered several questions from the audience. He said that he uses inches for buildings, but they use millimeters for product design. Size is limited only by printer bed size and how

CONTINUED ON PAGE 20

November 3, 2013 Raffle Winners

Photos by John Krill, NOCCC



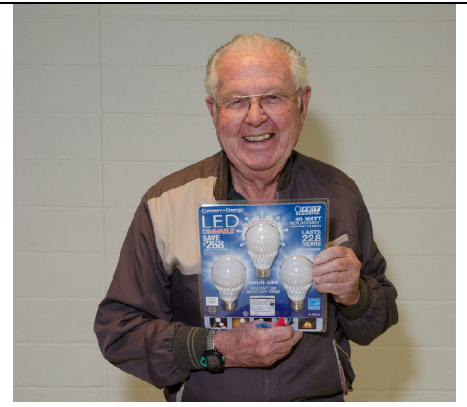
Dennis Martin

Duracell twin 500 lumen flashlights



Fred Fuller

SkyEye remote control camera copter



Dallas Hazleton

40 Watt LED replacement lights



Howard Hugger

NOCCC Pen



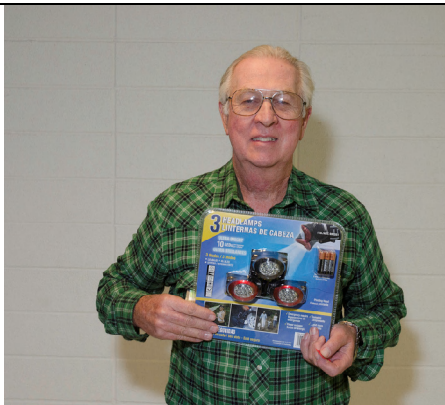
Don Armstrong

Optical retract-a-cord mouse



Martin La Rocque

SkyEye remote control camera copter



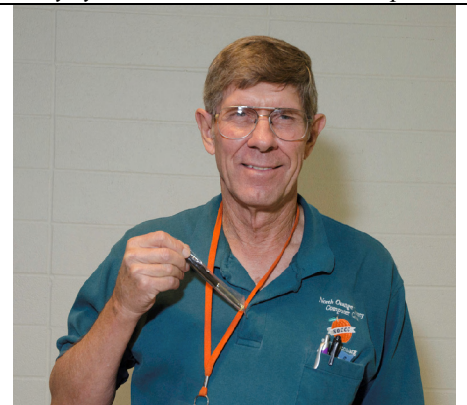
Dennis Martin

Triple pack LED headband lamps



William Thomas

Logitech wireless mouse 310



Jim Sanders

NOCCC Pen

You could be a raffle winner!

- 1) Buy tickets \$1 each or 6 for \$5
- 2) Remember to bring \$1 or \$5 bills
- 3) Two General raffle tickets for a Lastinger Parking permit
- 4) Get one members-only raffle ticket for wearing a **NOCCC Badge** and another for wearing a **NOCCC shirt**

SIG Meeting Reports

Beginner's Digital Photography

By John Krill, NOCCC SIG Leader

November 2013 Meeting Beginner's Digital Photography SIG

We had 8 members at the meeting.

Shutterfly

The holidays are upon us and we all need holiday cards and gifts such as calendars. Shutterfly provides us with a way to send out photos of the family, as calendars and cards, especially those that aren't confident with the computer.



For this meeting I brought in two examples of Shutterfly products and demonstrated how to create holiday cards.

Calendars are a specialty of Shutterfly. I show a 12-month calendar and a one-year poster calendar.

Everything on Shutterfly starts with the picture. Once the pictures are uploaded to Shutterfly you then create your card, calendar, etc using Shutterfly templates.

The two calendars I created for the meeting arrived in less than a week.

We discovered that the 12-month calendar had one picture that was not printed properly. So Monday morning I got on the Shutterfly web site and used the Customer Service links to report the problem with the calendar. The customer service links are at the bottom of the page. Once I figured out how to send in a report it took another two days of back and forth messaging before they provided me with a procedure to get a replacement calendar. Even though they put a RUSH on the order, it took the same number of days to get the replacement as it did to get the original calendar.

I was not required to send back the bad calendar.

Sending Photos Via E-Mail

Even though we talked about sending pictures through e-mail, I'm again putting it in the minutes because of the holidays coming up, especially Thanksgiving.

One member has been having problems sending photos via email. Suggested they ZIP all the photos into one file and send them via Adobe's SendNow. Some e-mail providers the size of attachments to e-mail and others limit the number of attachments to an e-mail. Some even do both.

By using SendNow you by pass both of these restrictions. Your photos are sent via SendNow and held until the recipient downloads them.

December Meeting

Not sure at this time what we will be talking about in the
18 ☐ NOCCC Orange Bytes ☐ December 2013

December meeting. Maybe something to do with Christmas.

I still want to do a 'Walk About.' Didn't I say that last month? Bring your camera and we'll walk about and see what kind of picture taking problems we can find and maybe answer.

If you have specific picture taking problems then bring your camera and just maybe we can solve your problem.

Standard Stuff That Is Always In This Report

If you have a special request for information regarding digital photography let me know. E-mail me using the address listed below.

Check out the SIG BLog for other information and maybe info on what we will discuss at the next meeting.

As always, we will answer any and all questions.

If you have a special request for information regarding digital photography let me know. E-mail me using the address listed below.

See you at the next meeting.

Note: I am using a new Web location for the photos I take at the meeting. I now upload the photos I take to Microsoft SkyDrive and Flickr. A link will be put here every month to the folder location with the current month's photos.

SkyDrive Photos for the November 2013 Club Meeting:
<http://sdrv.ms/1aW17JL>.

Flickr Photos for November 2013 Club Meeting:
<http://tinyurl.com/lvzhbgz>.

SIG BLog: <http://noccebphotosig.wordpress.com/>
Email: noccebphotosig@gmail.com

This SIG meets in Science 131A at 9:00 a.m.

Advanced Digital Photography

By Larry Klees, NOCCC SIG Leader

No report was submitted.

This SIG meets in Science 131A at 10:30 a.m.

Linux Desktop & Administration

By Tommy Crenshaw, Acting NOCCC SIG Leader; Bob Palmer, Contact Person

No report was submitted.

These SIGs meet in Science 131 at 9:00 and 10:30 am.

PC Q&A

By Jim Sanders, NOCCC SIG Leader

The November 2013 PC Q&A SIG covered a number of topics, but a great deal of time was spent on malware. In the August PC Q&A SIG meeting, I had touched on CCleaner and talked about what a useful program it was. As there was not time at that meeting to go into great detail, I spent most of the SIG report space in the September edition of the Orange Bytes talking about the many things that CCleaner can do. As a result, I was mildly surprised at the lack of understanding of what-all the program can do as illustrated by the questions that I received during the meeting. If you want more details go back and read that SIG report. One area that was apparently misunderstood in the previous SIG report was how useful the program is in viewing, disabling, or deleting, a number of the add-ons to the browser of your choice. For anyone who has been plagued by having their browser screen space taken up by an excessive number of toolbars, a lot of which you didn't want, that section of CCleaner is particularly useful.



I related a story about a friend's computer that had been infected with a number of different malware programs. In particular, it appeared that at least one of the Trojans which had infected her machine had invited a number of its friends to join the infestation. I was asked to help her eliminate the problem. Over the last several months, I have dealt with this problem a number of times. One aspect of the problem that seems to irritate a number of people, and justifiably so, is that the antivirus program that they are running on their machine does not seem to deal with the problem. Some of this malware may simply fall into a spyware category that several of the antivirus programs apparently don't consider to fall within their purview. Or, alternately, the malware is of that sophistication level where it knows how to either disable or hide from the XYZ antivirus program that you are using. If the latter happens to be the case, removing the hard disk from the infected system, attaching it to a known clean system running a good antivirus program will often allow the bad guys to be detected.

If you don't have the available assets to perform that function (attaching the HDD to a good system), running the suite of programs that I talked about during the SIG may do the job. That suite of programs are: CCleaner, Malwarebytes, and Spyhunter 4. I have had some luck downloading and running those programs in the order listed. Running CCleaner first and disabling, if not deleting, the browser toolbars and add-ons that can be open doorways to software that you don't want is a good start. Speaking of start, it's section that deals with some startups on your computer makes it easy to disable anything that looks questionable. There are several other things, but those are two biggies. Once that is done, downloading, installing, and running Malwarebytes is easier. Once Malwarebytes has been run and provided you with a list of what it considers to be malware, it is usually a good idea to simply click on that box that says get rid of everything you found. Obviously, it is a good idea to look at that list and see if you recognize something that you know

shouldn't be removed, and uncheck that entry. As I noted in the SIG, Spy Hunter 4 is really intended to be a "for pay" program. However, they do offer a free download of a fully functioning version of the program. Well, actually, I suppose I should say an almost fully functioning version of the program. By that I mean it will find and display all of the problems that it thinks exists on your computer, it just won't automatically fix the problems unless you give them money. The list of problems that it finds, and the detailed paths to their locations are accurate. If you have the knowledge, skill, and time to go through that detailed list and path, you can manually delete all of the issues found. I have done that. Mostly as an educational endeavor and a bit of a challenge to see if I could do so. I succeeded. But I suspect that most users would rather pay the \$40 to have it happen automatically instead of potentially spending several hours making use of the manual approach.

During the SIG meeting, while discussing the actions of Spy Hunter 4, Jerry Resch commented that he had found other registry scanning programs that also provided a list of problems and a path to them. I regret that I didn't make a note of what he said, and therefore can't mention them here. I will try and get that information from him and put it into next month's SIG report. Between then and now, I did stumble across another software offering that I have found very interesting. It is called Glary Utilities 3. As the name implies, it is a suite of programs that provide a large number of maintenance features and information features for your computer. There is both a "free" version and the Pro version that costs money. I have not had time to compare the two versions, but the free version provides a great deal of useful function and I have decided to keep it on my computer. In looking at reviews, I have seen very little negative comment. The Advanced Tools menu screen displays a large number of text links for the different functions that are available to you along with a number of icons on the bottom of the window. As you mouse over each of the icons, a description pops up. One icon's description is Disk Space Analyzer. That caught my eye as a previous SIG report was devoted to several programs that do exactly that, and I tried it. I like the way it presents the information. The two largest directories in the root of my C: hard disk were Users and Downloads. Both were tied at 19% of my disk usage.

When you click on Start and then Computer to bring up Windows Explorer, and choose Tiles from the View menu you may have the graphic depiction of space usage on one of your partitions show up in red. This indicates that you are getting dangerously low on available free space for that partition. Running this utility makes it easy to determine what's using all of your disk space.

CONTINUED ON PAGE 24

Main Meeting Report

CONTINUED FROM PAGE 16

many parts you are putting together. You can't stop the printing process at an intermediate step and add support because you can't maintain the relative positions of the printer head to the workpiece, which is accurate to the micron level. However, if a 3D printer stops during the manufacture of a part, there is no weak spot formed at that location when the printer restarts.

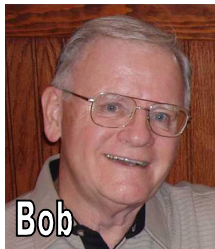
Don thanked Hunter for the information and said it will get people thinking about 3D printing. He asked Hunter if 3D printers will be used by people at home? Hunter said he didn't know if just buying the printer will be enough. While you can now download a computer model from an online warehouse that is printer quality, you still need to be an excellent modeler.

Another interesting meeting. See you next month!

Microsoft Access

By Bob Dickson, NOCCC SIG Leader

The time was spent working on using list boxes in the user form. Setting up a list box is standard. This project is mostly 'for the fun of it' so we're trying to use the standard features in a way that is new to us. There's a state name list box. When a new address is entered, clicking on the appropriate state name in the list box causes the proper 2-letter abbreviation to be entered in the state box in the form. Likewise, there's a country list box, since some addresses are for people in countries outside of the USA. Clicking on the desired country in the list box places the 3-position country abbreviation in the country box in the form. Each list box has default value (CA for the state abbreviation and USA for the country). Now the goal of the project is to provide a list of special occasions on which one either sends or receives a 'snail mail' letter. That is, birthday, Easter, Christmas, New Years, etc. Clicking on this box will generate a list of names and addresses for person/s with whom one had exchanged letters on those occasions. The design we're working on will use a relational set of files. The report will be either a regular listing or a list of address labels to stick onto the envelope. Not earthshaking but it's a fun project.



This SIG meets in Science 306 at 10:30 a.m.

Visual Basic for Applications

(Access/Excel VBA)

By Bob Dickson, NOCCC SIG Leader

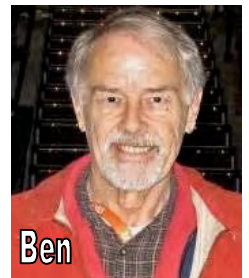
There wasn't anything performed in this SIG as there was no special request to work on so the time was spent working on the Access project noted in the Access SIG session. Got a question concerning VBA in Access / Excel? Or a project you would like to share with us? Come up to Sci 306 at noon - 1:30 pm. We'll be happy to spend the time with you, learning for you or for us.

This SIG meets in Science 306 at 12:00 noon.

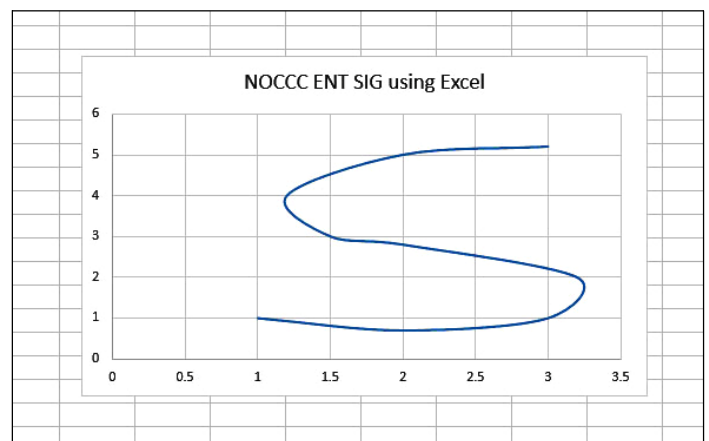
Exploring New Technology

By Ben Lichtenbergh, NOCCC SIG Leader

The ENT SIG was well attended, thank you very much; perhaps the topic of Bezier Curves was the attraction. It was started with Larry Klees' Main meeting presentation the previous month. I was pleased to discover how to make things work with tools most of us already have!



Doing curves with Excel 2013 worked nicely. First we created simple curves from small tables in Excel. We learned how changes in the tables resulted in changes in the curves and it was understandable! Then we created a true Bezier curve from an Excel formula that I didn't bother to understand, but the resulting curve was explainable. Most instructive, we wrote a letter S on the board, gave it Cartesian values, and entered these values into a table. The resulting Excel curve was much like the S on the board. All this in 2D.



We discussed how 3D curves might work and early applications of these in car manufacturing. How animation was the next thing with this technology, and how this eventually evolved into today's movies, videos, and games.

Also, the input part of this technology evolved to a person taking photographs of a building, and feeding those photo files into a computer program. With this information, a virtual walk through that building can be created, remodeling changes can be applied and the resulting building can be viewed virtually before new construction takes place.

Our Orange Bytes Editor, Steven Breitbart posts upcoming topics on the front page. What should be our next topic for this ENT SIG? Demonstrating Skype on the devices I own, and hopefully including the devices that attendees bring to the meeting should be an appropriate thing to do for this **holiday season**.

We'll be doing computer communications with people far away and nearby. Therefore, we'll discuss Google Voice and Microsoft Skype. Time allowing I'd like to show a movie of a

free Internet chat between Holland and Georgia USA, about 10 years ago.

So Steven, I hereby commit to do the topic of Exploring Skype Technology.

This SIG meets in Science 109 at 9:00 am

Mobile Computing

By Ben Lichtenbergh, NOCCC SIG Leader

The MC SIG was well attended but the agenda couldn't be completed due to larger than expected interest in Twitter. I showed my almost lost Twitter account. I started this account in 2009, and demonstrated it at the February 2011 MC SIG.

We did a Tweet just to see what happens and posted it so we can remember that we used Twitter at the November 2013 MC SIG. We tested a Tweet to see what it does when it reaches 140 characters. We tested deleting a Tweet. Logical delete is how I think of it.

More importantly for our club, we talked about using the **hashtag #NOCCC** in our Tweets. When we did a search on this hashtag, we found a Tweet from John Krill. We looked at a few photographs by him from around Laguna Beach. It should be obvious that John is an accomplished photographer. I particularly enjoy the outstanding composition of his posted images. He also uses, and recommends using, the #NOCCC hashtag for club Instagram photos we may post related to our club.

The agenda for the next MC SIG meeting will be emailed to those on the email list. I'll bring TecTiles to the meeting and demonstrate what they can do as programmable NFC tags.

This SIG meets in Science 109 at 10:30 am.

Apple Products

By Rick Thues, NOCCC SIG Leader

The Apple SIG leader is Rick Thues (AKA the iMentor). Rick is a long time member of the Apple Consultants Network. He is an expert Apple consultant and instructor.



We discuss all things Apple. Bring your questions and knowledge of Macintosh computers, iPad, iPhone and iPod. Also discussed are Apple software, such as iMovie, iPhoto, iWork and Garage Band. Interest level is everything from beginners to Windows switchers to expert.

Bring your iPad, iPhone, Macbook, etc.

There is always something interesting for non-Apple users too.

At this SIG we THINK DIFFERENT.

Rick Thues - the iMentor®
imentor@mac.com
714-728-3224
www.theimentor.com
peace

This SIG meets in Science 127 at 10:30 a.m.

Microsoft Office

Tia Christian, NOCCC SIG Leader

This session is an open forum for problems incurred using Microsoft **Word**, **Excel** and **Outlook versions 2003 to 2007**, **OpenOffice** and their resolutions. Different topics about these four software applications will be discussed during each session.

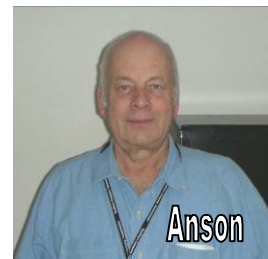


This SIG meets in Science 306 at 9:00 a.m.

Visual Programming

Anson Chapman, NOCCC SIG Leader

This SIG is lead by Anson Chapman and is a continuing discussion group about computer programming using Visual Basic, Visual Basic Script, Visual C, Visual C++ and Visual J++ for Beginners.

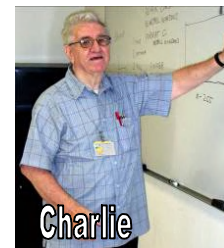


This SIG meets in Science 111 at 9:00 a.m.

Understanding Operating Systems

Charlie Moore, NOCCC SIG Leader

This SIG is lead by Charlie Moore and is a continuing discussion group about Operating Systems for computers.



This SIG meets in Science 111 at 10:30 a.m.

From the Desk of the Membership Chairman

By Ben Lochtenbergh, NOCCC, bal@msn.com

Last month's raffle prizes included two SkyEye remote control camera copters. I had my chances but didn't win; they went to other members. I would do something like fly the thing in an open area like a grassy park, take a video with the onboard camera and demonstrate the movie via a PC on the big screen in a SIG. This is a **call to the winners** to do something of that nature. Exploring New Technology, Mobile Computing, or one of the Photography SIGs should make available a time to spend 5-15 minutes on a topic like this. I'd think the membership at large would appreciate such involvement.

During the Random Access part of the main meeting, I encouraged **those who use Twitter** to include the #NOCCC hashtag in their Tweets if they may be useful to the club members.

The raffle this December will be a **tri-color event**. There will be three colors of tickets. The usual membership **red** tickets for wearing the t-shirt and/or badge, the general **blue** tickets for paying \$1 per ticket, and the new **white** tickets for a one-time special value **holiday price**. It can be thought of as a door prize.

Correction

By Steven Breitbart, Editor NOCCC Orange Bytes

The November 2013 issue of the Orange Bytes, page 23, had a Board Meeting Minutes title wrong. It said Board Meeting Minutes September 9, 2013. It should have said Board Meeting Minutes October 7, 2013. However, the minutes listed were from the October Board meeting.

Board Meeting Minutes November 4, 2013

Reported by Steven Breitbart, NOCCC Secretary

Present: Don Armstrong, Steven Breitbart, Terry Dickson, Dallas Hazleton, John Heenan, Larry Klees, Rudy Lauterbach, Ben Lochtenbergh, Richard Miller, Gerry Resch and Jim Sanders.

Absent: Tia Christian.

President Don Armstrong started the meeting at about 7:30 p.m. at his house.

Don reported that Tia called and said she wouldn't be able to make the meeting due to illness. Bob Palmer, the Linux SIG leader is also sick. He also said he met with Dean Michael Fahy about a student who is a potential recipient of the NOCCC 2103

scholarship. Whether the student and/or Chapman faculty give us a presentation is between us and them.

Don went to an ORCOPUG meeting at which Klassic Specialties spoke. Steven said he had used their products for his laser printer and Don Baker, the owner, was a speaker at a NOCCC Main Meeting several years ago. Don Armstrong said that Don Baker is no longer in favor of refilling inkjet cartridges because you need the proper ink for the specific paper you use.

Don missed the Factory eNova business mixer on October 9. However, Richard, Gerry and Steven did attend. One of their people will be our speaker in December. Steven said he would send Vinh, one of the co-founders, an email about emphasizing the computer controlled laser engraving since we have two presentations on 3D printing recently. Steven visited Factory eNova since the mixer; spoke to Vinh, who said someone would speak at the December meeting. He is thinking of giving us discounts for a group demonstration. Gerry recalled that the club did a field trip ten to fifteen years ago but didn't recall the location.

Don mentioned the STEM SIG. He wants to get people from Chapman interested and pick a subject that a group would be interested in and expand upon. He said that Ben covered a bit of math explaining Bézier curves. Ben talked briefly about what he did. Modern fonts are apparently created using Bézier curves. Larry and Rudy commented on their experiences with Bézier curves.

November 3 NOCCC Meeting by Don Armstrong

Don asked for comments. Several people said that Hunter Ruthrauff gave a good presentation. Don said he was basic enough for most of us yet informative. He said he gave Hunter a NOCCC pen, \$100 to compensate him for gas to drive back and forth from San Diego and will write him a than you letter. Steven commented that we originally were told Hunter made jewelry, but only one or two examples were shown. Larry would like to buy one of the objects shown by Hunter.

Treasurer's Report by John Heenan

The cookies, coffee, donuts, sugar, creamer and some instant decaffeinated coffee cost \$31.01. We took in \$26.00 for a net loss of \$5.01. The raffle did very well, raising \$85.00. However, the cost of the prizes was not accounted for. Jim estimated that \$85 was 60% of the cost. The consignment table took in \$15, which was owed by someone from October. One person renewed, which brought in \$35.00. Net income for the day was \$129.99.

Detailed membership statistics were sent in an email. The total number of members is 127. We are up recently by two. New Members are Spiral Palmer and Becky Klug. Their photograph in the auditorium will be included in the Orange Bytes. Terry says Spiral attends the Linux SIG. Terry and Richard recommended giving a NOCCC pen to new members. Don gave

one to Spiral but didn't have another for Becky, who is Spiral's Aunt.

Webmaster's Report by Rudy Lauterbach

Don Armstrong solved the STEM math problem on the NOCCC website. He will get a certificate for a free raffle ticket. Steven was the other person who submitted an answer, but it was wrong. Rudy commented that it is hard to fight the apathy in the club. Rudy said he turned off the hit counter in order to counter multiple bots than scan the web. Don said to connect a counter to the number of people who log in. Jim said that the website host's server can supply statistics. Rudy said he didn't know about that. Steven said the information is not too useful. Larry said that logging in discourages him from using the website. Rudy said he is looking for ways to attract people to use the website. Steven said that he will remove the STEM reference from Page 1 of the Orange Bytes. Any story inside will reflect what is being done on the website.

Raffle Prizes by Jim Sanders

Don asked Jim for comments. He said that several people appreciated the raffle prizes. He was disappointed that after mentioning it in the emailed meeting announcement and making a point blank request at the Main Meeting, that there were no suggestions from the audience on what prizes he should buy. Jim said he typically spends about \$150 on each raffle, usually on computer related items. However, people were happy with the toy helicopters, flashlights and LED light bulbs. There was some discussion of having several people buy prizes. Jim and Gerry expressed the idea that it is hard to buy prizes by committee. People would call the head prize buyer asking about a prize and then others would complain because the prize was cheaper at another store.

Jim asked that since Christmas is coming, do we want to spend a little more and have a special raffle for December. He said he was thinking about buying a 1TB USB 3.0 hard drive/16GB flash drive set for about \$70 as a major prize. A major prize reduces the amount of money for the other prizes. Richard suggested raising the amount to \$200 and having major prizes in both the General Raffle and in the Members Only Raffle. Steven moved to increase the raffle prize budget for December by \$100, to a total of \$250. Larry seconded the motion. Discussion followed. Terry asked if the money would be split down the middle between the General and Members Only raffles. Jim said that the major prize would be purchased and the remainder would be split between the two raffles. Don suggested having only one raffle. Jim suggested one grand prize open to everyone who is there, with everyone getting one free ticket, followed by the two normal raffles. Finally, we voted and the motion passed. Gerry has three different types of tickets.

Jim also suggested getting responses from people who have won prizes. He is curious if the prizes have worked out. People could write about what they won and their responses would be published in the Orange Bytes and provide information on the products. Steven said he could put a note in the Orange Bytes that people can send in feedback about what they have won.

Programs

Future speakers for the Main Meeting. We have no speaker scheduled for January. Steven asked about Gerry's son. Gerry said he is still busy trying to get his company's game released and would like to wait until it is released before giving us a presentation.

[Secretary's Note: Several people spoke at once, it was not clear on exactly what was said.] Adapters exist to send video from a mobile phone or tablet to a monitor. Richard showed a MHL (Mobile High-Definition) adapter which connects to a HDMI port. There are several types of adapters available such as mini and micro USB. Larry said the club has several adapters, including one for the Macintosh. Gerry suggested these adapters as raffle prizes.

We need suggestions for programs for January. Richard suggested talking to a new game business in Orange County as a potential speaker. Don asked if any of the club members are interested in gaming. Jim said that James Smith, an ex-President of NOCCC, was a game developer. Gerry said that there are 27 major game developers in Orange County. Rudy suggested asking one of our members who is in a robotics club if he could give a presentation. Larry said he knows of a company that does forensic data recovery from hard drives, primarily for law enforcement. He said he could ask them if they could give a presentation. Steven said that there are companies that recover data from failed or damaged hard disks and mobile phones. John said we should check with Steve Gibson, but he is very busy.

Publications by Steven Breitbart

Steven passed around a calendar of November 2013 for production of the December 2013 Orange Bytes. He is leaving on November 21 to visit family over the Thanksgiving holiday, so the Orange Bytes has to be ready before then. As a result, input for the December Orange Bytes is due by Wednesday, November 13, 2013. The next meeting is on December 8, 2013 and Steven doesn't want the Orange Bytes to arrive too early. He said he wants to email the PDF file and mailing list to a Board member who can forward it to Creative Technology for printing and mailing on Monday, November 25, 2013. The goal is to have the Orange Bytes issues arrive on or about Monday, December 2, 2013. [Secretary's Note: I found out that Creative Technology can delay the printing and mailing, so the above steps won't be necessary.]

Steven said he has lots of Word and Excel Tips and will try to include a book review. Prentiss Robinson has volunteered to help with the Orange Bytes and I will ask him to review the member benefits and contact publishers in order to get new books.

Another issue is the Word and Excel Tips. We used to have a statement including "Reprinted by permission" that would accompany every Tip. Steven has never seen any permission and may contact Sharon Parq Associates, Inc., who produces the Tips, for written permission. Terry said he thinks all you have to do is acknowledge where you got the information. Rudy said that since we are a non-profit organization it probably wouldn't be a problem.

Raffle by Gerry Resch

Gerry said it might be too late for Gordon Eng of Omni Technics to give us a used PC to raffle off for the December meeting, but he might be able to do something in time for the January meeting. He hasn't had a good turnout for E-Waste recently, but is still willing to come to our meetings every two months and may donate a used computer or computer hardware.

Gerry also talked about having coupons for Harbor Freight at the raffle table. With a coupon and a purchase, you can get a free item. He wants the board members to bring in the ads.

SIG Attendance Report by Dallas Hazleton

Don said that he was thinking of developing a protocol for SIG presentations. First teaching, then answering questions from the audience. He suggested taking components and explaining how they work and what to do if something goes wrong. Larry said the SIG leaders know best what to do for their SIGs and trying to impose a format is a mistake. Other people agreed.

Dallas handed Steven the SIG attendance report and described the attendance:

Linux for Desktop Users 5, Visual Programming 0, Exploring New Technology 10, Beginners Digital Photography 9, Microsoft Word, Excel and Outlook, 1, Beginners PC Q&A 0, Linux Administration 7, Apple Products 7 Advanced Digital Photography 7, Understanding Operating Systems 6, Mobile Computing 7, Microsoft Access 1, Visual Basic For Applications 1, Advanced PC Q&A 24. Total SIG attendance was 85 people.

The Main Meeting had 32 people.

Larry suggested that the Bring Your Camera days for the photo SIG are popular but it's somewhat limited to be in the room. He would like have the SIG meeting outdoors, but there was some questions regarding room security. He was told in the past that we can't leave the room, that we can't leave the room unattended. Don said he would talk to security, that the SIG attendees should close the room doors if they leave and if they need to get in again, call security. Gerry said to take their personal belongings and that people are on campus all the time. Richard has seen photographers all over the campus.

Public Relations Report

Don suggested making people within a mile or two area of Chapman University aware of the club.

Old Business

Don said he hasn't talked to the person who can decide on a location about the display of old computers. A member told Don he has some old computer items he would be willing to lend us. Some of the board members also said they have some items. Richard said that we need a place to accumulate the items over several months before they are displayed. He also suggested we might be able to use displays in the Science Building. He said we should have an article in the Orange Bytes asking members if they are willing to lend us some of their old computer items.

New Business

Richard said we should put photos of new members in the Orange Bytes. A photo was taken of Becky Klug and Spiral Palmer sitting in the audience. Steven said he would use it

Rudy said that there are many people on the street the days of the meeting. We should have a sign at the corner of Glassell Street and Palm Avenue saying "Computer Club Meeting Today in Irvine Hall on Chapman Campus" to attract walk-in traffic. Steven suggested that we would have to get permission to post a sign, but others disagreed because other signs are used without any permission.

Gerry said we could have something on the website saying go to, say, page 6, of the Orange Bytes on the web site, print out that page and bring it in to the meeting for a free raffle ticket. The following month it would be a different page. He later suggested that the clue for the page to print out be in the login section of the web site.

A motion was made to adjourn the meeting. No one objected and the meeting was adjourned at about 9:30 p.m.

PC Q&A

CONTINUED FROM PAGE 19

Below is the startup screen that I was referring to. See you next month.



These SIGs meet in Irvine Hall at 10:30 a.m. and 12:30 p.m.

STEM Page on the NOCCC Website-Update

By Rudy Lauterbach, NOCCC Webmaster

Our President, Dr. Don Armstrong, has submitted the correct answer to the math problem posed on the STEM Page. Don said the pyramid height is 700 feet for a pyramid with a base length (one side) of 800 feet and an edge length of 900 feet. This is an example of a 7-8-9 pyramid. Don will be given a genuine certificate for one free raffle ticket at the next club meeting. Stay tuned for the next STEM problem.

Rudy

[*Editor's Note:* STEM stands for Science, Technology, Engineering, Math]

NOCCC Fee Schedule

The fee schedule has been set up to increase club membership, attract people with an interest in computing and attract local computer-related businesses to place ads in the Orange Bytes with or without becoming NOCCC members. **We are also offering members the opportunity to help our club financially by making donations that should be income-tax deductible since we are chartered as a non-profit 501(c)(3) organization.** Donors will be acknowledged in the Orange Bytes and the Membership level will be shown on the Member's Badge. **Your regular dues are tax deductible!**

<u>Membership Level (\$)</u>	<u>1 Year</u>	<u>3 Years</u>
Individual Member	35	90
Each Additional Family Member	15	40
Full-Time* Enrolled College Student	20	
Enrolled High School Student	15	
*Minimum 12 Semester Hours		
Business Member + Ad (Business Card).....	180	
Business Member + Ad (¼ Page, ½ Page).....	465, 800	
Business Member + Ad (Full Page).....	1,475	
Membership Donations (\$)		
Contributing Member	75	
Supporting Member	100	
Advocate Member.....	250	
Patron Member.....	500	



Why are there so many empty seats?

Location & Transportation Info.

Meeting Information

The NOCCC meetings are held at Chapman University, in the Hashinger Science Center and Irvine Hall, near the northwest corner of Center Street and Palm Avenue.

Parking Information

Most of this information is on the back cover. For more information, see

www.chapman.edu/discover/_files/pdfs/Parking13-14.pdf.

Several maps are available of the Chapman University campus and surrounding area at www.chapman.edu/discover/maps-directions/index.aspx

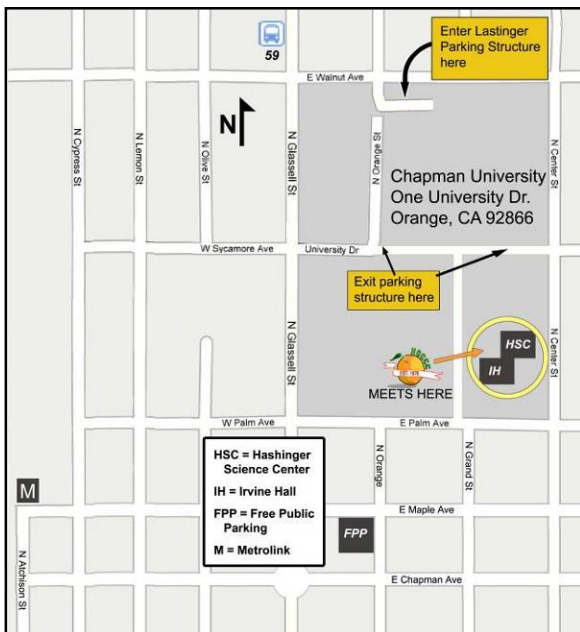
Bus Service

Several Orange County Transportation Authority (OCTA) buses service Chapman University. Route 54 runs East and West on Chapman Ave. The 59 runs North and South on Glassell Avenue, but doesn't start early enough for the 9:00 a.m. SIGs. Get the most current information or use a trip planner at www.octa.net. OCTA also has a Consumer Relations office at (714) 636-7433 (RIDE).

Railroad Service

Metrolink trains can get you to the NOCCC meeting from the Inland Empire. There are stops in the cities of Riverside, Corona and Anaheim Hills. Parking your vehicle is free at the train station. (See **M** on map below.)

On Sundays, Inland Empire-Orange County Line train 859 leaves San Bernardino destined for Orange County at 8:55 am. For the return trip, train 858 leaves nearby Orange Metrolink at 3:55 pm and train 860 leaves at 5:35 pm. The Metrolink station is four-and-a-half blocks from Chapman University. For specifics regarding your trip, check the web site: <http://www.metrolinktrains.com> or call 1-800-371-5465.



Commercial display advertisements are welcome, contact editor@noccc.org.

RATES

One Page Vertical ... 7.0" x 9.5"	\$150
Half-page Horizontal 7.0" x 5.0"	\$80
Half-page Vertical .. 3.5" x 9.5"	\$80
Quarter-page 3.5" x 5.0"	\$45
Business Card..... 3.5" x 2.0"	\$ 15
Center Spread.....14.0" x 9.5"	\$300

Deadline: Tenth of the month

Discounts: 3months=10%, 6=15%, 12=20%

If you are interested in advertising in the publications of multiple User Groups throughout the region or nationally, you can learn more by contacting <http://www.apcug.org>

Readers, please tell our advertisers that you saw their ad in the *Orange Bytes*

FREE AD SPACE

If you are a NOCCC member, and have a computer-related, non-commercial or "Talent Available" ad that you would like to have placed in this newsletter or on the NOCCC web site, send an e-mail with a copy of your business card or ad to the NOCCC Editor at editor@noccc.org

**Classified ads by NOCCC members:
\$5 for 1 to 25 words
\$10 for 26 to 50 words**

**Your Business Card
would look good here!!**

*For information about
advertising in the Bytes, contact:*

editor@noccc.org

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QUICK MEMBERSHIP APPLICATION/RENEWAL

Date: _____ I am a new member
This is a renewal; my membership number is _____

PLEASE PRINT!

Name _____

Address _____

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State _____ Zip _____ Phone (_____) _____ - _____

email _____

Fees: See page 25 for fee schedule; \$35 for single membership.

Since the North Orange County Computer Club is incorporated as a 501 (c) (3) organization, checks are 100% tax deductible when made payable to North Orange County Computer Club.

Amount enclosed \$ _____

MC / Visa No. _____ Expires _____

Please make your check payable to **North Orange County Computer Club** and mail with your application to:

**North Orange County Computer Club
PO Box 3616
Orange, CA 92857**

Membership Renewal

When you turn in your renewal with this form & cash or check, include your membership number & name, and only demographics that changed since the last renewal.

Memberships also may be renewed by credit card at:

<https://ipn.intuit.com/pay/NorthOccc>

To stay up-to-date with Club news & have full access to the NOCCC web site, send e-mail address changes to membership@noccc.org

North Orange County Computer Club
PO Box 3616
Orange, CA 92857

Members: Your expiration month
and year appear above your address.
Please renew promptly using the
application inside.

Dated Material - Please deliver by December 2, 2013

Are You a NOCCC Member?

Consider all that you get with membership and Join Now!

- **Meetings.** Keep up with what's going on in the computer world. Hear outstanding industry representatives make presentations of the latest and greatest in computer products.
- **Special Interest Groups.** Our SIGs cover a broad spectrum of computer issues. Whether you are a beginner or a power user, attend the lectures and demonstrations, and share your knowledge about computers.
- **Raffle Drawings.** We have distributed thousands of dollars worth of hardware, software and books as prizes at our Main Meeting.
- **Consignment Table.** We have a consignment table during even-month meetings, in which members can sell or buy all kinds of computer & software items.
- **Get help with your current computer problems.** In the Random Access portion of the Main Meeting, you may ask your question of the entire assemblage. More than likely, someone will have the answer.
- **NOCCC Help Line.** NOCCC volunteers, experts in their fields, are ready to assist you with your computer problems. They can be contacted by email or by telephone.
- **The Orange Bytes Newsletter.** Our award-winning newsletter reports on club activities and provides articles about current computer issues and reviews of software and books.
- **Product Reviews.** Write a review for the *Orange Bytes* and keep the software, hardware or book!
 - **Volunteer Work.** We have numerous interesting assignments available. As an all-volunteer organization, you can join with other members in a variety of activities: solicit newsletter ads, write newsletter articles, run a SIG, give a Main Meeting presentation, show new members around, join the board, assist in setting up the meeting or participate in computer-related community volunteer work.
 - Become a NOCCC member by signing up at the Reviews/Membership Desk during a general meeting, usually the first Sunday of the month.

Alternatively, simply fill out the form on the reverse side of this page and send it in.

Meeting Information — The NOCCC meeting is held at Chapman University, in the Hashinger Science Center and Irvine Hall, near the northwest corner of N. Center St. and E. Palm Ave.

Parking Information - Chapman University's main parking lot is the underground Lastinger Parking Structure under Wilson field on the north side of the campus. Enter from Walnut Avenue, just east of Glassell Street. Parking is not free on Sunday, even if the gate is up. **However, the permit vending machine is about 100 feet south of the entry area. There are other machines elsewhere in the lot.** Find one, buy a permit and put it on your dashboard. Do not park in any other lot, in a reserved space, or back into a space.

Free street parking also is available on the campus-side of the streets only. Parking in front of any residential housing will result in an expensive parking ticket. A City of Orange public parking lot, located on the southwest corner of E. Maple and N. Orange, is also free and only two blocks from the meeting. For more information, see the Transportation Information section.

