Orange Bytes

Award winning newsmagazine of the North Orange County Computer Club

NOCCC MEETINGS - June 2

**9:30 a.m. *Irvine Hall*
NEW TECHNOLOGIES
Cathy Grammer-Margolin
buying/selling on eBay**

**1:00 p.m. *Irvine Hall*
GENERAL MEETING
Joe Lorenzini of STOMP!
(Software to catalog files)**

8:30 a.m
Visual Programming I . . . . *Science 109*
  Visual Basic and Visual Basic Script for beginners

9:00 a.m.
Auto cad . . . . *Wilkinson 111*
Visual Programming II . . . . *Science 109*
  Visual C++ and Visual J++ for beginners
Windows . . . . *Science 111*
  Windows ME & Windows 9x related questions
BeginningLinux . . . . *Wilkinson 210*
  Linux on the desktop

9:30 a.m.
Java . . . . *Science 203*
Computer Aided Investing . *Wilkinson 221*
  mutual funds and other investmet options
Hardware Essentials . . . . *Science 306*
  system power and basic over clocking
Intermediate Linux . . . . . *Wilkinson 210*
  Linux for programmers and system administrators

10:00 a.m.
Visual Programming III . . . . *Science 109*
  intermediate and advanced Visual Basic

11:15 a.m.
Office Suites!, Etc.. . . . . . . *Science 111*
  modifying Outlook's "contacts" form.
PC Q&A. . . . . *Irvine Hall*
  speech recognition and USB problems
Quicken . . . . *Science 203*
  Quicken and Quickbooks: Tracking investments
Visual Programming IV . . . . *Science 109*
  Office program development using VB
Macintosh . . . . *Wilkinson 210*
  exploring OS X
Understanding O.S.s . . . . *Wilkinson 111*
  get help with DOS, Windows 3.1/9x/ME, OS/2,...

12:00 noon
PIG SIG . . . . *Argyros Hall Cafeteria*

1:00 noon
General meeting . . . . *Irvine Hall*

2:30 p.m.
Geneology . . . . *Irvine Hall*
  discover your family history with modern tools
Hardware Essentials . . . . . *Science 109*
  system power and basic over clocking
OS/2 . . . . *Science 203*
  OS/2 news and installation

http://www.noccc.org

**future meetings
July 14, August 11, Sept 8**

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Member of The Association of Personal Computer User Groups

Change of Address?
Don't miss a single issue. Also, if we have your e-mail address, we can notify you of meetings and special events. Send address or e-mail changes to Alan Pearlman at membership@noccc.org Or Box 3616, Orange, CA 92857

President's Message

This month NOCCC will hold its annual election of officers at the 1:00 main meeting. It's been a few years since we have been required to pass out and count ballots, as there have been no contests for the board positions. That doesn't make for a very exciting election. Our bylaws allow us 8 director positions, 4 officers, plus our editor and our webmaster. We currently have exactly this number of nominees. Any current member is eligible to serve on the board of directors. If you are interested, please tell me before the meeting. Our current list of nominees is printed in this issue. We can easily add more at the meeting.

This month also is our 18th year since we incorporated as a 501 (c) (3) corporation. In Talmudic gematria 18 analyzes to life. So let's get some more life into our group. Our membership has declined in the past few years. At 18, we're just starting life, not ending it.

Our group is one of the best kept secrets in Orange County. Let's get out and change that. I'll see you at our meeting on June 2.

Board Nominations

July 1, 2002 through June 30, 2003

Officers:

President: Alan Pearlman
Vice-President: James C. Smith
Secretary: John Johnson
Treasurer: Elise Edgel
Past President: Terry Warren
Webmaster: Jim Peugh
Editor: Dave Keays

Directors:

Cathy Grammer-Margolin
George Margolin
Else Olavsson
Gerry Resch
Linda Russell
Jim Sanders
Cathy Shimozono
Herb Wong

Computer Talk

Office tips

By John Heenan, NOCCC
(Http://www.tipworld.com)

Excel

Sheet Addition with Excel 97/20002

For Excel 97/2000 users, if you need to add more worksheets to an existing workbook, don't worry, you can add worksheets without doing any harm to existing data, but here's one peculiarity:

Let's say that your current workbook has three sheets. These sheets are named Sheet1, Sheet2, and Sheet3. To add a new sheet that is to be named Sheet4. Right-click the Sheet3 tab and choose **Insert | Worksheet**. You'll get a new sheet named Sheet4, but it will appear between Sheet2 and Sheet3. Excel inserts a new sheet before the selected sheet. But you wanted it after Sheet3, right? So, use the left mouse button to grab the new Sheet4 tab, then drag it to the right of the Sheet3 tab. You'll see an arrow appear to show you the new sheet placement. When you release the mouse button, Sheet4 will appear after Sheet3.

Make Excel Worksheets Fit Your Paper

Large worksheets in Excel can make for cumbersome printouts, with rows spreading across several sheets and pages breaking in the wrong places. To get the hard copies you want, select *File | Page Setup.*

In the Page Setup dialog box, select the orientation for the worksheet Landscape orientation is better when the number of columns exceeds 20.

In the Scaling section of the dialog box, click "Fit to," and then use the arrows to indicate the number of pages wide and number of pages tall the worksheet should be. At this point, click the Print Preview button to check the results.

Click the Zoom button in the Print Preview window. If you cann't read the worksheet on screen, you probably won't be able to read it on paper. You've squeezed your worksheet into too few pages. To change the number of pages, click Page Setup button. If the worksheet does not fit properly, go back to the worksheet and adjust column sizes.

To check the position of page breaks, click Page Break Preview while in the Print Preview window. Scroll down until you see a blue line indicating a page break. If it's not where you want it, click and drag it up. (You can't drag it down.) Click *File | Print Preview* to return to the Preview window.

When you're satisfied, click Print in the Preview window or the Page Setup dialog box to put your worksheet on paper.

FILLING IN MULTIPLE EXCEL

WORKSHEETS

Issue 3.02 discussed how to enter the same value into multiple sheets in an Excel workbook. To do this, you hold down Ctrl and click one or more additional worksheet tabs. Now, if you go to Sheet 1 and enter

something into cell A1, that value will appear in cell A1 on every selected sheet.

A word of caution: Make sure you deselect the multiple sheets within your workbook. It's all too easy to save your work with the tabs still selected. When you next open it, you could accidentally overwrite stuff all over the place!"

COPYING VALUES ONLY IN EXCEL

There are times when you have formulas in a group of cells that you want to copy. You want to copy only the data in those cells.

Try this: Open a blank worksheet and enter

1, 2, 3, 4

into cells A1 through A4. Now click in cell A7 and type

=sum(a1:a5)

Next, select cells A1 through A7. Use the right mouse button to drag the selected cells to their new location C1 to C7. When you release the right mouse button, a pop-up menu appears. From this menu, choose Copy Here As Values Only. The data in cell A7 appears in the new location C7, but, the formula does not appear.

PRINTING MULTIPLE EXCEL WORKSHEETS

You can print from two different sheets within a single file with one command by holding down Ctrl while you single-click the desired sheet tab names. When you click on Print Preview button, you will see all of the selected worksheets ready to be printed.

PowerPoint

PRODUCING A REMOTE POWERPOINT

PRESENTATION

This is a job for Pack And Go. Since you want to put the presentation on a floppy disk, place a formatted blank floppy disk into drive A:. Also put your Office installation disc into your CD-ROM drive—you'll need it later. If your presentation is very long, you should format two or three floppies. Pack And Go prompts you for a new disk when one fills up.

Open your presentation in PowerPoint and choose File, Pack And Go. When the Pack And Go wizard opens, click Next. Since you want to save the current presentation, make sure the Active Presentation check box is selected and click Next again.

Now select the A: Drive radio button and click Next. Click Next again, then select the Viewer For Windows 95 Or NT radio button and click Next. Click Finish Now to create your Pack And Go disk.

When your friend receives the disk, he should put it into drive A: and double-click the Pngsetup.exe icon. This installs the slide show and the viewer on his computer. He can now play the show even though he doesn't have PowerPoint. The sound will also work.

Note: When we rely on this method, we have had problems with losing the correct timing on single slides that loop continuously using custom animation.

NOTE:

You need a password to get a copy of the **current** PDF version of ORANGE BYTES.

The passwords will be emailed 2 weeks before each meeting.

A case against the IFBDA
(Internet Freedom and Broadband Deployment Act)

By Dennis Courtney; President, Capital PC User Group
(president@cpcug.org)

The Internet Freedom and Broadband Deployment Act (IFBDA), popularly known as the Tauzin-Dingell Bill, narrowly passed the House of Representatives last month and is now headed for the Senate. It faces more of a challenge in the Senate but its defeat is by no means assured. After you read this article I hope that you will join me by adding your voice to the chorus calling for the defeat of this bad piece of legislation.

A Wolf in Sheep's Clothing

IFBDA supporters claim that the bill is intended to free the Baby Bells from the burden of regulation so that they can bring broadband access to their customers. The trouble is it frees the Baby Bells from all current regulation and prohibits the Federal Communications Commission (FCC) and various states from ever regulating broadband. Specifically, it frees the Baby Bells from the requirement that they resell access to their service lines to other broadband providers and prohibits anyone from regulating them. This means that they can freeze out other broadband providers, charge you whatever they wish without any service level requirements while both the state and federal governments will be prohibited from doing anything about it! Instead of making broadband access competitive, IFBDA is very clearly anti-competitive.

The bill states that "the imposition of regulations by the Federal Communications Commission and the States has impeded the rapid delivery of high speed internet access services and Internet backbone services to the public, thereby reducing consumer choice and welfare." Giving the Bells carte blanch to avoid competition and charge any price without ensuring a minimum quality of service does nothing to increase consumer choice or welfare.

Unfulfilled Promises

Have you ever wondered what all those different taxes listed on your phone bill are for? At least some of them were supposedly earmarked to help build a nationwide fiber-optic system. Over half of America was supposed to have fiber-optic lines to their home or office by 2000. The Bells took massive write downs to replace their copper wire infrastructure and collected over $53 billion (with a 'b') in fees earmarked for fiber-optic. But almost none of the infrastructure they promised has been delivered.

The New Jersey Ratepayer Advocate wrote about NJ Bell Atlantic "...low income and residential customers have paid for fiber-optic lines every month but have not yet benefited. Bell Atlantic-New Jersey has over-earned, under spent and inequitably deployed advanced telecommunications technology to business customers, while largely neglecting schools and libraries, low income and residential rate payers and consumers in Urban Enterprise Zones as well as urban and rural areas".

Follow the Money

Why would the House pass a bill so obviously pro-business and anti-consumer? One has to wonder when looking at the money spread around by the Bells in support of Tauzin-Dingell. According to the non-partisan campaign contribution reporting site www.opensecrets.org the Bells gave over $19.4 million dollars from 1999 to 2001 in PAC, soft money and individual contributions. Opponents of Tauzin-Dingell gave just over $8 million. Supporters of Tauzin-Dingell received more than 7 times as much money from the Bells than they did from the anti-Tauzin-Dingell groups. More than 180 House members got 10 times more money from the Bells - and they voted to approve the Bill by a 5:1 margin. Those who got equal amounts of money from both sides voted 2:1 against the Bill. Some 16 members of the House received no money from either side - they voted 13-3 against the Bill. The strong correlation between money and votes in the House make the

defeat of the legislation in the Senate an uncertain conclusion. The Bells have 'deep pockets' and have shown that they are willing to invest in making sure that they have their Congressman's ear on this matter.

What Can You Do About It?

First you should educate yourself regarding the issue. This article is a good first step but there is plenty of information on the subject to be found on the Internet or through your local consumer watchdog organizations (the public utility commissions in 30 states, including Maryland, oppose the bill). Search at www.google.com and enter the key words "Tauzin" and "Dingell" to find information on the legislation.

Second, contact both of your state's Senators and tell them what you think about Tauzin-Dingell. Although we don't know yet what the bill will be called when it reaches the Senate, they'll know what you mean. Many Senators will accept Email directly or through the Senate website at http://www.senate.gov. Whatever you think about this legislation, let your Senator know. If it passes in the Senate you can be assured it will be signed into law and you will be living with the consequences for a long time to come.

Dennis Courtney is the President of the Capital PC User Group in Washington, DC and can be contacted at president@cpcug.org

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Please make sure we have your correct email address and phone number.

We will give it out only with your permission.

No one from NOCCC other than the President or Treasurer is authorized to call a member at home for club business.

You can update your membership at any regular meeting or by emailing membership@noccc.org

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Computer Talk

Will Internet Radio Die?

by Timothy Everingham, NOCCC

With the recent CARP (federal government copyright arbitration panel made up of nongovernmental lawyers) decision that would cost Internet radio broadcasters to pay royalties on a cost per stream (listener) basis and have large costly reporting requirements, it looked like Internet radio was dead. Since the ruling would have caused Internet radio broadcasters to pay years of back royalties, it would have bankrupted them too. This was even though many of them had been paying the same music licensing fees that regular radio stations had been paying. The Internet radio community felt that the major record companies had maneuvered to trick the arbitration panel into making a decision to kill Internet radio because the major record companies considered Internet radio as something they could not control or influence as well as the regular radio and played a lot of music from small record labels and independents. To do away with Internet radio would eliminate a good source of promoting the major record companies' competitors' products. With little time to try to overturn the ruling of the arbitration board and no one with enough clout to stand by the Internet radio broadcasters to do it, a depression fell upon the Internet radio community; thinking it was just a mater of time before Internet radio would die.

However, something unexpected happened. On April 8 the President of the National Association of Broadcasters, Edward Fritts, in his opening address to the Association's Convention in Las Vegas embraced the Internet radio broadcasters as part of their own, came out strongly against the CARP arbitration panels ruling, and said the National Association of Broadcasters would use its resources to fully fight this rulings implementation. A white knight had stepped forward to defend Internet radio and hope again returned to the community. Internet radio now had its champion, and now it had a fighting chance to survive.

At Spring Internet World/Streaming Media West Conference in Los Angeles on April 24 a panel on the Internet radio regulatory issues, especially the CARP arbitration board ruling, occurred. The panel was made up of representatives from both Internet radio and the major record companies. Both sides opened with saying that both the CARP arbitration board's decision and the way the board went about it was ridiculous. They even went as far as insinuating the board was possibly incompetent and that in both sides briefs to the arbitration board there was a basis of a good settlement for both sides. Then both sides started signaling the other on what they felt would be a good basis of agreement. What then proceeded looked like actual negotiations of a settlement during the rest of the panel session. Both said they needed to settle this on a basis of percentage of revenue rather than a cost per stream. Comments back and forth to each other developed into an outline a possible settlement agreeable to both parties on this issue. On the reporting requirements. the Internet radio people said the proposed reporting requirements could cost more than the royalties, most of the information the record companies do not need, and was something they could not live with. The record companies came back and said that they agreed with the Internet radio people that they did not need a significant portion of the data, but needed some additional information that they have not been getting from the Internet radio stations. Again the discussion went back and forth between the two sides and created an outline of a possible settlement agreeable to both parties. There was even talk of having amateur licensing for noncommercial use where no royalties would have to be paid and minimal reporting requirements that both sides seemed to want. The session ended with the impression that an outline for a settlement agreeable to both parties to replace the CARP arbitration ruling had been created, and the resulting agreement would save Internet radio.

The battle is not over for Internet radio's survival. The CARP ruling is still there and the final agreement between Internet radio broadcasters and the record companies has not been finalized. However, it seems

that an agreement will soon be reached that will save Internet radio.

Timothy Everingham

He is CEO of Timothy Everingham Consulting in Azusa, California. He is also the member of the Executive Council of the Los Angeles Chapter of SIGGRAPH, the largest chapter of the Association for Computing Machinery's(ACM) Special Interest Group on Computer Graphics and Interactive Techniques and one of Southern California's significant professional organizations within the entertainment and media industries. He is also on the Management Information Systems Program Advisory Board of California State University, Fullerton; which he also graduated from with honors with the double majors of Management Information Systems and Accounting. In addition he is the Vice President of the Windows Media Users Group of Los Angeles. He is also part-time press in the areas of high technology, video, audio, and entertainment/media and has had articles published throughout the United States and Canada. He is a member of North Orange County Computer Club. Further information can be found at http://home.earthlink.net/~teveringham

DEADLINE

All articles and reports for the BYTES must be sent by the Wednesday after the meeting to **EDITOR@NOCCC.ORG**.

Dave Keays, BYTES editor

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Trimming and Cutting for Dummies Like Me

By Bruce Switalla, Coastal Area Users Group (CAUG)
(bswit@usa.net)

Since it will be a while before I learn how to get my graphic printouts to line up correctly on pre-perforated paper, I decided to simply save money on mistakes and take matters into my own hands. So, for the Feb. graphics SIG, I briefly demonstrated how I make business cards, greeting cards, and photo prints without the perforated paper that I can't always figure out how to line up.

For now, I use Epson Matte Heavyweight paper (52-lb) for everything. It makes a thin but acceptable bus. card, and it doesn't stick to glass photo frames. As shown at the meeting, it yields rich, dark colors too. For business card software, I use Print Artist and can get it to print TWELVE cards per 8½ x11 sheet with hairline crop marks that get split in two and don't show. The pre-perforated bus. card sheets I've seen yield only ten and thus leave wasted paper.

For bus. cards, greeting cards, and photos alike, I use the following equipment. I place an 11x15 Good Cook Flexible Cutting Board (about $2.95) from H-E-B's cooking utensils section down on my table surface. Yes, it gets cut marks in it, but that's what its for! I heard at the meeting that a fabric store has more costly cutting mats that "heal" after you cut into them thus preventing the knife from following a previous groove.   To cut, I use an Exacto knife (from Hobby Lobby) and keep it covered with its plastic cap when not in use. For the projects without crop marks like photos, I use 2 sharp pencil marks to determine where to cut. I place the knife on the mark first, then slide a cork-backed metal ruler (available cheap at Office Depot) against the knife at my first point. Then, holding the ruler down with my finger out of the way of the cut, I place the knife-point in the other pencil mark, pivoting the ruler this time against the knife. I consistently keep the knife straight up while watching my fingers. I cut 2 or 3 times just past where I need to, so the side cuts will come apart when finished. I got a beautiful 5x7 mahogany-colored wood frame from Dollar General for $2. And 8X10s are 3 and $4. By the way, if you go with glossy paper, you cannot let it touch the glass, so you will need to place a spacer, like a mat, around the photo (a job for the pro's).

Advanced Advice

If you can control how large your photo prints out, you may opt for 4½x6½ or so with white borders that you leave when you cut to 5x7, since a 5x7 wood frame will cover a quarter inch on all sides, and ink is expensive. Measure the frame's inside dimensions for white border (cutting purposes) and from the front of the frame measure for printing purposes but be sure no white will show after framing. Better to think this all out and practice on Crayola-colored notebook paper than mess up a print. "Measure twice…"

One thing I didn't cover at the meeting was folding greeting cards. I place two pencil marks down the center of where I need to fold   Then I put the ruler edge over the marks and use a pizza cutter roller to crease neatly the fold I need. Care is needed to avoid rolling away from the ruler's edge. The resulting fold looks professional!

About Mac support

by Kurt Jefferson; Central Kentucky Computer Society
(lextown@iglou.com)

Want a Mac site that's chock full of goodies? Try the About.com Mac support page: http://macsupport.about.com/mlibrary.htm

What I especially like about this page are the numerous links in the left-hand rail. You'll find links for G3 and G4 processors, iMac, iBook and PowerBook support, upgrading old Macs, installing memory and maintenance tips. As you know, half the battle of finding what you want on the web is, finding it. This site helps you find the Mac stuff fast. What don't I like? The pop-up ad that dropped behind my browser on the day when I visited this page. That's a pain.

April 15 looms Still working on those taxes? Visit the I.R.S. online:

http://www.irs.gov/

You'll find links for help, downloadable tax forms, a place to e-file your taxes, and more. Some studies show that tax help sites are some of the fastest-growing places on the web.

Here's one of my favorite tax sites:

http://www.tax.org/

This page is filled with links that not only inform, but teach.

Then there's H & R Block's Tax Cut software:

http://www.taxcut.com/
http://www.apple.com/macosx/applications/taxcut/

And of course, Intuit (makers of TurboTax for Mac) has its tax page filled with goodies:

http://www.quicken.com/taxes

Here's where you can find the Kentucky Revenue Cabinet's page for downloadable tax forms, news, tax laws and more.

http://revenue.state.ky.us/

Good reviews: The folks over at c|net sure like the current crop of Apples. I checked out their reviews of the newest iBook, PowerBook and iMac. The iBook made the Editor's Choice list. c|net says that laptop continues to be a great consumer notebook. The PowerBook G4 also is named Editor's Choice. c|net says it has "heart-pumping performance." And the new iMac is so new that only a preliminary review by Mac user Gene Steinberg was available when I wrote this. But 92 percent of the folks who took the time to review the new iMac (with the base that resembles a volleyball cut in half) gave it thumbs up. From early sales, it appears the new iMac will outsell the original.

I'm a member of Central Kentucky Computer Society (CKCS) in Lexington, Ky. I head up the Macintosh SIG (special interest group) which meets once a week. I also write a monthly Mac column for the official CKCS publication called 'Computer File.' send an email if you use this article.

MPEG-4 Video Has Become A Three Ringed Circus

by Timothy Everingham, NOCCC
(teveringham@acm.org)

We currently have three proprietary standards for Internet video: Windows Media, Real Video, and QuickTime. Of course with such proprietary standards there becomes an issue of interoperability, which leads to having to potentially have servers and/or players for each one. So why not create an international video standard for the Internet like the MPEG 1 & 2 standards used on CDs and DVDs. Enter MPEG-4. An international standards committee developed it. Of course one of the problems with doing it that way is it takes longer. With Internet video technology changing at an extremely rapid pace, by the time the standard was agreed up it was two years behind current technology the proprietary standards were using. However, with some updates it still looked good to many because the content providers would only have to encode and manage one format instead of three and some quick updates could be added to bridge some of the technology gap. Apple was one of those companies. They announced last June at the Streaming Media West Conference that they were throwing their lot with MPEG-4 and was no longer going to do developing for QuickTime Internet video. They are now regretting that decision.

It was assumed that like MPEG 1 & 2, that once the standard was set there would not be significant licensing issues regarding the patents that are part of the standards. However, MPEG 1 & 2 was developed in a different environment, especially economic. Technology companies have been really hurting and are under pressure to increase revenues. This includes royalty payments from patents. The patent holders of MPEG-4 for video portion decided to use the same patent licensing house to do a group licensing on MPEG-4 as MPEG-2 had used, MPEG LA. This way it would make it more convenient to license the technology than going through all the approximately 20 companies involved. However, in January when the licensing proposal came out there was a firestorm. They had included a per stream (viewer) fee and the accompanying record keeping that went with it. There were claims that this licensing went in violation of the international agreements that the standard was developed under. Deployment was stopped. In February Apple was going to release its QuickTime 6, which included MPEG-4; but the uncertainty regarding the licensing issues had made them put the release on hold.

There was a forum on MPEG-4 licensing on April 25 at the Spring Internet World/Streaming Media West Conference. The forum was expected to be hot, but that was an understatement. The moderator was from Philips Electronics, one of the patent holders. He could not get his laptop to work with the LCD projector properly, so he had to turn it over to the rep from MPEG LA to go over the licensing proposal. Right after that the moderator started to have the panelists do their opening statements. First was the Apple rep, who made it clear that Apple was furious over the licensing mess which had prevent the shipping of its products. The next speaker opened up with calling the licensing organization in violation of antitrust laws, he had sicked the Federal Department of Justice and several States' Attorney Generals on them which where currently investigating MPEG LA, and intimated that he was considering filling suit against them. A person from Dolby Labs representing the audio portion of MPEG-4 patent holder spoke and was received as having a fair licensing proposal for audio. The group licensing organization rep spoke trying to calm everybody down with saying that these proposals were preliminary and a new proposal was being worked on because of all the criticism of the first one. Also she and the moderator said that you do not have to go through the group licensing organization to license the technology. Other speakers on the panel expressed frustration and tried to find common ground for agreement. Questions from the floor were received early in the session, and one of the first persons from the floor to speak was the Chief Technology Officer of Real Networks, makers of Real Audio and Video. He confronted the moderator from Philips Electronics

saying that Philips and a number of other companies are not willing to discuss licensing their technology individually, so to get a license on one of the technologies you have to license the entire group of MPEG LA's MPEG-4 patents. As such, the statements about not having to go through MPEG LA made by the moderator earlier were false. Neither the moderator nor the rep from MPEG LA denied the accusation. The CTO of Real Networks then charged that the people involved in creating the standard were getting preferential treatment by the patent holders, which is a violation of antitrust laws. At this point the moderator seemed to lose credibility with most of the panelists and the audience and lost the ability to guide the discussion, but only able to keep it so only one person talking at a time. The rest of the comments during the session were ones of animosity or frustration. Near the end one of the people in the audience expressed her frustration by saying that in her viewpoint that we would not be able to use some great technology because the licensing issues cannot be agreed upon. The session ended in frustration on the edge of chaos.

The night before the MPEG-4 licensing forum, the CEO of Real Networks spoke at the conference. He said that if MPEG-4 cannot get its licensing issues settled soon, MPEG-4 will become irrelevant. With what happened at the MPEG-4 licensing forum and the threat of legal action that could last for years, the odds are that MPEG-4 will become irrelevant and we will see few devices and software using it.

Timothy Everingham

He is CEO of Timothy Everingham Consulting in Azusa, California. He is also the member of the Executive Council of the Los Angeles Chapter of SIGGRAPH, the largest chapter of the Association for Computing Machinery's(ACM) Special Interest Group on Computer Graphics and Interactive Techniques and one of Southern California's significant professional organizations within the entertainment and media industries. He is also on the Management Information Systems Program Advisory Board of California State University, Fullerton; which he also graduated from with honors with the double majors of Management Information Systems and Accounting. In addition he is the Vice President of the Windows Media Users' Group of Los Angeles. He is also part-time press in the areas of high technology, video, audio, and entertainment/media and has had articles published throughout the United States and Canada. He is a member of North Orange County Computer Club. Further information can be found at http://home.earthlink.net/~teveringham

Computer Talk

General Meeting Report - April 2002

by Eric Saca

EDITORS NOTE: this is last months report which didn't make it into the newslette

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SMC Networks joined us in April to present their latest wireless networking products. We were joined by Tony Stramandinoli, SMC's Director of Product Marketing.

Alan Pearlman opened the meeting. After some Random Access, he mentioned that nominations for the annual elections close at our May meeting. Then the elections themselves occur in June. The currently nominated slate is as follows: President: Alan Pearlman Vice-President: James C. Smith Secretary: John Johnson Treasurer: Elise Edgell

Herb Wong, our Hardware Essentials SIG leader, introduced Tony Stramandinoli from SMC Networks. Tony began with a brief explanation of today's wireless technology.

Wireless networks link nodes (servers, workstations, peripherals, any other equipment) through electronic signals instead of cables. These signals are sent through airwaves, much like those from standard cordless phones.

There are currently two "flavors" of wireless networking - the 802.11a and 802.11b standards. These two wireless communication methods are not compatible. 802.11a is newer and more advanced. (SMC hopes to soon produce wireless devices with a new, even more powerful standard - 802.11g.)

Wireless standard 802.11a supports connection speeds of up to 54 megabits per second (Mbps). 802.11b supports up to 11 Mbps. 802.11a supports maximum connection distances of up to 1,650 feet while 802.11b supports up to 1,800 feet. Of course, these distances can be extended with high-gain antennas (also sold by SMC). Another advantage of

802.11a is that it operates in the 5 GHz frequency spectrum, which avoids interference from other devices, like cordless phones, which use the crowded 2.4 GHz spectrum. 802.11a is more appropriate for enterprise-networking solutions because of its speed advantages, while 802.11b is better for home use of its MUCH lower cost (about $125 Vs $500 plus.

For the sake of security, network transmissions can be encrypted. However, connection speeds are slowed by as much as half when encryption is enabled.

Tony warned that electro-magnetic devices, like televisions, cordless phones and microwave ovens, can kill wireless signals, particularly when using 802.11b. He recommended keeping such devices as far as possible from wireless networks.

Of the available Windows versions, only XP has built-in drivers for wireless devices.

Tony then went over SMC's wireless products. They offer a full range of wireless products that support both the 802.11a and b standards. These include the following

. USB and PCI network interface cards for desktops . PC Card network adapters for laptops . Compact Flashcard network adapters for PDA's/pocket PCs . Access points . Bridges . Routers

Tony presented samples of most of these products to the audience. Access points allow wireless devices to connect to traditional wired networks. Once a cable is connected from a traditional hub or router to the access point, up to 64 wireless devices can connect to the network through that access point.

Bridges can be used to extend wireless networks between multiple buildings. As long as clear transmission is available between two bridges (one at each building), they can connect facilities as far as nine miles apart. Bridges aren't cheap, however, running from $400 to $500 dollars apiece, but that TONS cheaper than running wires that distance.

SMC offers a wireless router as part of their popular Barricade product line. This wireless Barricade is a 3-port 10/100 Mbps dual speed switch, NAT router (connecting up to 253 nodes), hardware firewall, print server and 802.11b access point - all in one - configurable with web-based management.

Tony then demonstrated the equipment by connecting an ad-hoc network using the Barricade wireless router. His laptop was connected via a PC Card wireless adapter. He walked his laptop upstairs to the mezzanine area of Irvine Hall. (The network was set up downstairs in front.) He then asked a member in back to browse the Internet from that laptop, connected only through the wireless components. The member's websites came up smoothly. (They did not even have to point the laptop in a particular direction to remain connected to the network.)

Afterward, he took his PDA to another member. This PDA had a Compact Flashcard wireless adapter. The member verified that the PDA was also connected to the Internet.

Someone asked how the wireless Barricade is configured. Tony demonstrated - by launching his web browser (Internet Explorer). It came up and in the Address bar, he entered the Barricade's IP address.

A configuration screen appeared. After entering his password, Tony displayed the various configuration options available.

Herb Wong mentioned that the SMC website (www.smc.com) has in-depth documentation for most, if not all their products. Manuals are easy to download.

Throughout the presentation, members asked several other questions, such as the following:

. Can the wireless SMC access points, routers and other components work with non-SMC network interface cards? Yes. . Can video servers function on all-wireless networks? Only on 802.11a networks, which allow sufficient connection speeds. 802.11b cannot handle the traffic. . Can we add external antennas to any of the wireless products, to boost their signals? Yes, to the bridges. . How often are firmware updates for these components released on the SMC website? About once a month average.

Review

The Epson Perfection 2450 Photo Scanner

David Feign, NOCCC

After looking at various scanners that I could use for converting my thousands of negatives to digital form, I selected the Epson Perfection 2450 Photo Scanner as having the specs most likely to meet my requirements with a reasonable price. I am still in the process of evaluating it, but certain features stand out enough for me to write something about it before it becomes obsolete.

The scanner does a beautiful job. It has resolution up to 2400 X 4800 ppi. It also can interpolate to give a higher resolution, but that just makes larger files without really carrying any more information. It will provide 42-bit color depth which is nice for very thin negatives. PhotoShop, which I use for all my picture processing., will handle this color depth and then convert it to 24-bit color for printing.

The nicest thing about it is that the transparency window is 4" X 9" which will allow me to scan up to 18 35 mm. full frames strips at a time or 8 - 2" X 2" mounted slides. It will also handle my other size negatives up to 4" X 5" as well as sizes in between. A problem is that the 35 mm. film carriers provided allow for only 12 - 35 mm. frames or 4 - 2" X 2" mounted slides. And the larger film carriers provide for only one 4" X 5" and one 2-1/4" X 3-1/4" negative. To really take advantage of the 4" X 9" area I'll have to make my own carriers. Putting the film right on the galls plate probably won't work because the carriers are designed to keep the film about a millimeter off the surface which is what the cardboard mounts for the mounted slides do.

The main problems I encountered were software problems. The TWAIN driver provided with the scanner doesn't allow me to scan more than one 35 mm. frame at a time at the maximum resolution. When I try to do more than one at a time, the software complains that there is not enough disk space. In fact, when I finish scanning one frame, I have to turn

PhotoShop off and restart it to get the second frame. There may be a way around that (there certainly should be) but the pamphlet they provide instead of a real manual doesn't mention that as one of the problems to be solved.

Fortunately, Epson provides some other software to replace their TWAIN driver. It is called "SilverFast". It allows me to scan the whole 4" X 9" area at once. It also provides a great deal of control of the color, density and contrast settings for the scan. This is very nice if all the negatives or slides are of the same density, contrast and color balance. If the negatives in a strip vary greatly in these respects, we are reduced to scanning only the adjacent negatives that are within a small range of these parameters.

The scanner zips along quite fast at the low resolutions. At the 2400 ppi resolution the scan takes a bit over 4 minutes per frame. So for "mass production" purposes you'd better have something else to do while you are scanning many film strips. I generally have a meal or get a good night's sleep between sessions when scanning lots of pictures.

Within the limitations mentioned above, the scanner does a very good job of converting old film to digital form. The colors are quite nice and, for most pictures, very little PhotoShop processing is required other than cropping, rotating, and spotting the pictures. If the full frame is what you want, the processing goes very fast if you take advantage of the controls offered by "SilverFast".

I am still experimenting with my scanner and if anyone is interested in more details as I learn more, you can E-Mail me.

The scanner is available at most computer stores. The price is remarkably uniform among the stores, varying between $399.95 and $399.99.

General Meeting Report - May 5, 2002

by Eric Saca

NEXT MEETING

Stomp Inc. is a software and accessory company located in Irvine. Stomp is best known as the creators of the CD Stomper PC accessory that allowed users to easily and accurately attach labels to their CDs. In the last year, Stomp has expanded their product line to include all new accessories such as DiscSavers, CD & DVD jewel cases and ClutterBuster, a desktop organizer that attaches to any monitor. Stomp also offers high quality software targeted at the CD recording user. In a partnership with VERITAS, Stomp now offers BackUp MyPC, system backup for Windows and RecordNow MAX, CD/DVD burning software.

For more information: www.stompinc.com

In May, Frances Caldwell from NuWays came to present their unique new approaches to advertising for us.

President Alan Pearlman opened the meeting with announcements and Random Access. Cathy Grammer-Margolin announced the new Genealogy SIG to occur in Irvine Hall at 2:30 PM from now on. (It replaces the Internet SIG.) Our Webmaster, Jim Peugh, mentioned that we had changed service providers for our website. The original company was in Florida. Now we are using a company in San Jose. We received a better deal - and more disk space. The website will now be a little faster and contain some better features - for about the same price.

Cathy mentioned that everyone using Outlook for e-mail should log on to the Microsoft website and download a patch immediately. The new KLEZ virus targets Microsoft Outlook and the patch is your only defense. George Margolin introduced Frances Caldwell.

Frances began her presentation by announcing that a paradigm shift is about to happen in the advertising world - and that is what NuWays is all about. Many companies are currently practicing postal mail advertising (i.e., junk mail). With this method, a 1/2% to 1% return is considered excellent. NuWays has a revolutionary new program that combines media-rich advertising and the power of the Internet to create the ultimate one-on-one marketing tool. This tool is demonstrating 96% effectiveness.

Statistics show the advantage that the Internet provides for advertisers. Over 100 million consumers are now online in the U.S. - up 11% in the first quarter and increasing by an average of 62% per year. Internet advertising was a $4 billion dollar business in the year 2000. It increased to a $10 billion dollar business by the end of 2001.

TV-like Commercials on the Internet. Thanks to NuWays, marketers are no longer limited to the standard Internet banner ads and popups that are currently so prevalent. NuWays has developed a new 'patent-pending' technology - the Commercial AdBuilder - to create media-rich Internet commercials. These are 20 to 60 seconds long and compressed for quick and smooth streaming to even the slowest of Internet connections. NuWays customers can customize their own ads with Commercial AdBuilder, embedding animation, photographs, music and more into them. Ad building is simplified through the use of pre-made templates. There are currently over 400 AdBuilder templates and more are being made every day. Consumers can easily respond to the Internet

commercials as well. If desired, the commercials can allow them to make reservations and print coupons.

Targeted Marketing. NuWays is one of the largest database mining companies in the world. They have data on over 225 million Internet users worldwide. This data includes the user's age, income level, gender, hobbies, zip code, state, country and more.

The information is used to help advertisers target their commercials to the right audience. Advertisers can access NuWays viewer lifecycle management systems. These provide sophisticated profiling and personalization capabilities to help them develop targeted messages, interactive advertising and promotions to hook their audiences.

Incentive Driven Delivery of Commercials. Why would consumers even want to watch NuWays commercials? Very simple - NuWays pays them! When NuWays members view commercials, respond to them, interact with advertisers and refer commercials to others, they earn points and interactive coupons that apply toward free cash. Such an incentive program makes it very desirable to view commercials. In test markets across the country, viewers not only welcomed NuWays commercials, they sought them out! Plus, membership in this system is free.

Three Internet Marketing Products. NuWays provides three clever ways of transmitting commercials to its members. None of the three methods are intrusive and they all display the commercials at convenient times for the members. The methods are as follows:

NuAds - Display during non-productive dial-up time while members wait to be connected to their Internet service. ScreenAds - Display as screen savers when members PCs are idle. eMailAds - Come through as e-mail messages. These have been particularly successful, boasting a 97% reach rate - a figure practically unheard of in the advertising industry!

Advertiser Control Center. Advertisers only pay NuWays based on the number of commercials actually delivered and viewed by their targeted customers. To track this, NuWays provides a password-secured Advertiser Control Center. Through this website, advertisers can track the number of customers who viewed their ads, the number of click-throughs and how many customers printed their digital coupons.

Pricing. Frances said that NuWays is offering to send out 1,500 e-mails for only $99 dollars a month. Also, they will send 100,000 e-mails for only $5,000 dollars - as low as 5 cents per e-mail.

Someone asked how much it costs to change a commercial after it is developed and used. Frances said that customers can change their commercials as often as they like. NuWays does not charge for commercial changes - they charge for sending ads to their member base. The more members that the ads reach, the higher the price.

For more information and to try out NuWays, Frances provided her NuWays affiliate website - www.nuways.com/genius.

Next Meeting - Joe Lorenzini of Stomp! will tell us about his many interesting software programs. He has programs for collecting and finding your graphics files (great for people like me who take and send lots of digital pictures). He also has a very good CD Label Making program called Stomp!. Professional looking labels are great for identifying and showing off your CDs.

They also have purchased one of the primier Backup Software programs - from Executive Software. It works with Tape, CDs and even the new DVD burning hardware.

Joe is an old friend, good presenter and offers really good deals to Unser Group members. You'll surely find it useful, interesting and informative. Be There at the 1 PM Main Meeting.

PC Questions and Answers

by Jim Sanders, NOCCC

This month's SIG started off with no questions. Now a question and answer SIG that starts off with no questions has an hour of a dead time to fill. Conveniently I brought along and a couple of different items to talk about. A compact flash memory card reader/writer that uses a USB interface and the IBM ViaVoice Advanced Edition speech recognition software (www-3.ibm.com/software/speech/).

Last Christmas I received a "Diskonkey" (www.diskonkey.com). This product takes its name from the fact that it has a key ring attached. The idea being that you can have your keys on its ring and always have with you a USB storage device that has anywhere from 8 Mb to 128 MB of mass storage. Though the one that I received was only 8 MB. However, I found it very useful to use in a modern "Sneaker net " mode (check Google if you need a definition). I quickly found however, that I really would have enjoyed the device more if it was 64 MB of storage. At a list price of $100, that size was more money than I wanted to spend.

Then I noticed an ad for a compact flash memory reader/writer for $19.95 (http://www.siig.com/products/usb/features/CFCardReader.html). In the same ad, a 64 MB compact flash memory card was on sale for $19.95. Now the form factor of the compact flash memory card reader is not as nifty as the "DiskonKey", but the byte for the buck is sure more appealing. It is worth noting that the "throat" of the reader/writer is not near as deep as it is on my camera. This means that you must be much more careful when inserting the compact flash card to get it straight and not damage any of the tiny pins. The "DiskonKey" is truly something that you could carry in your pocket at all times. It's design protects the USB connector from contamination, has no tiny pins to worry about, and is far more compact.

It was interesting when I went to purchase the reader/writer, that there were many different units available at the store. Some of them were single

function in units such as the one that I bought. And then there were multiple functions units that ranged anywhere from two different types of media to six different types of media. The above SIIG web site offers 10 different models of memory card readers. It is kind of a shame that so many different standards have proliferated, but when you purchase a device today it may have a Compact Flash memory card, a Smart Media card, a Secure Digital media card, a MultiMediaCard, an ATA Flash Card, a Memory Stick, or a Micro Drive. Most of these devices will have a cable connection of either the USB or Firewire type built in, but it is often more convenient to remove the media and utilize a reader/writer than hooking up the device directly.

By the time we finished talking about the various aspects of USB reader/writer units, there was not much time left to speak about the VIA Voice Advanced Edition. So I will try and touch on that some more at next month's SIG. One of the main reasons that I went ahead and upgraded to the Advanced Edition was it was such a deal. Circuit City had a sale on that version for $99, with a $40 store mail in rebate and a $40 IBM upgrade mail in rebate. Since the Personal Edition has been on sale for $20 with a $20 mail in rebate, a significant upgrade only cost me $20 plus sales taxes, time and stamps. The IBM rebates are good until July 6, 2002 so you too can play this game. The advanced version has more features than the standard version and includes a far nicer headset microphone combination. I did think the labeling on the box that mentions a USB adaptor and microphone headset included, was a little misleading. It turns out that, yes, there is a USB adaptor, which takes care of the microphone input, but the audio out to the head set is through the sound card and to a audio jack on the USB adaptor. Still, it appears to be a much higher end headset and I think it has improved the recognition percentage.

See you next month.

Quicken & QuickBooks SIG

by Linda Russell, NOCCC

Memorized Vs Scheduled Transactions in Quicken:

On May 5, 2002, we discussed the following:

Memorized (Ctrl+T) transactions are any transactions you enter into Quicken. As soon as you enter a transaction, Quicken memorizes it. Quicken memorizes transactions so that whenever you start typing a new transaction, Quicken can fill it in automatically before you finish. This is supposed to make it easier to use.

To see a list of your memorized transaction, click on Banking, Memorized Transaction list. There they are, listed in alphabetical order! You can scroll through the list, highlighting one at a time. You may edit or delete transactions you no longer use, or misspelled words, or amounts that have changed, etc.

Scheduled (Ctrl+J) transactions are transactions that happen on a regular basis and you want Quicken to enter them automatically, or you want Quicken to remind you to enter them at the proper time.

The easiest way to add a transaction to the scheduled transaction list is to enter it first, then type Ctrl+J while the transaction is highlighted. You can edit these transactions for differing amounts (if they change). You can tell Quicken the transaction is for a fixed amount, or to estimate it from the last "N" number of payments. You can schedule it once, or to repeat weekly, monthly, quarterly, annually, indefinitely or "N" number of times.

You can tell Quicken to prompt you to enter it in your register "N" number of days before the due date, or to enter it without prompting "N" number of days before the due date.

This is the quickest, easiest way to handle repeating monthly charges on credit cards, and monthly bills you pay by check. Social security and retirement income should be scheduled. I use this with many clients to simplify their finances.

Tracking Investments, Dividends, and Rate of Return using Quicken We will explore this subject further in our SIG session on May 5th. Please join us in Science Room 203.

MacIntosh SIG

by John Willner (willner@earthlink.net)

The latest copy of Adobe Photoshop 7.0 was installed on the Lombard Power Book running under OS X. The projector showed the opening screen and a few of the capabilities. The natural question was asked about how the upgrade differed from Version 6. One of the most significant additions has been a fantastic healing brush. It turns out that this was no light weight revision. Included are a new file browser, web transparency, enhanced web output, WBMP support, a rollover palette, customized work space, tool presets, auto color command, data driven graphics, a new paint engine, art studio brushes, pattern maker plug in, liquefy enhancements, PDF security, picture package enhancements, web photo gallery enhancements, XMP support, multilingual spelling checker and tighter integration with other Adobe products.

Discussions centered on the new iMac, and how a three year old now takes it down to floor level and operates it. Talk about computer intimidation among adults. You don't add anything to this machine but more memory and an airport card. However, it does a lot already with what it contains.

We explored OS X a little more, getting acquainted with the hierarchical menus. The biggest problem for those used to OS 9 operations is finding where the computer puts files. Sherlock gets called upon rather frequently, and then there is Watson, a new OS X supplement to Sherlock that is getting rave reviews. We learn that fonts may be located in up to five places. However, recognize that the way of OS X is to utilize aliases just about everywhere. Therefore, storage is minimal. The fonts themselves are in one location on the hard disk.

Speaking of new software, a new $10 special edition of MacWorld only for OS X has hit the market. It contains two CDs filled with goodies, including movie clips, shareware, tips, advice on what to put in your tool bar and dock, and reviews of the avalanche of new software. Highly recommended.

We haven't seen new Apple CDs recently, although over due. If a set comes we will show at the next meeting and/or show film clips from the MacWorld Special Edition CDs.

CONSIGNMENT TABLE

1. The consignment table is for members-only. Only current members can place items for sale, but non-members are welcome to purchase items from the table.

2. The consignment table operates on a 90%/10% basis - with the owner getting 90%.

3. Fill out tag on each item! It must contain Name, NOCCC#, item name, short description and asking price.

4. Also fill out this USER LIST with Name. Address, Phone#, and a complete list of items and their asking prices.

5. All items and/or money may be picked up by owner at any time — but MUST be picked up no later than 2 PM on day of sale.

6. Any items and/or money not picked up by above stated time will become property of NOCCC and will be subject to disposal at the club's discretion.

7. NOCCC assumes NO RESPONSIBILITY for ANY items bought or sold. Each item is placed and sold on an AS-IS BASIS.

8. We accept only cash or checks for payment.

Current SIGS

SIG	Time	Building	Leader	E-mail
Autocad	9:00	Wilkinson 130	Joe Mizer	Jmmizer@Juno.com
Hardware Essentials	9:30	Science 306	Herbert Wong	ocug@singularitytechnology.com
Hardware Essentials	2:30	Science 109	Herbert Wong	ocug@singularitytechnology.com
Internet	2:30	Irvine Hall	James C. Smith	Jamescsmith@bigfoot.com
Java	9:30	Science 203	Terry Warren	Twarren@Alumni.caltech.edu
Beginning Linux	9:00	Wilkinson 210	Bob Ray	bobcray@Pacbell.net
Intermediate Linux	9:30	Wilkinson 210	Jim Holder	caholder@surfbest.net
Macintosh	11:15	Wilkinson 210	John Willner	willner@earthlink.net
New Technologies	9:30	Irvine Hall	George Margolin	Inventor@Pobox.com
Office Suites	11:15	Science 111	John Heenan	Jc_Heenan@Csi.com
Os/2	2:30	Science 203	Terry Warren	Twarren@Alumni.caltech.edu
PC Q&A	11:15	Irvine Hall	Jim Sanders	jSanders@ligasmicro.com
QuickBooks	11:15	Science 203	Linda Russell	goodnewsent@compuserve.com
CAI	9:30	Wilkinson 221	Bob Krishfield	bobkrish@socal.rr.com
Visual Programming I	8:30	Science 109	Anson Chapman	aeccrcss@Hotmail.com
Visual Programming II	9:00	Science 109	Anson Chapman	aeccrcss@Hotmail.com
Visual Programming III	10:00	Science 109	Anson Chapman	aeccrcss@Hotmail.com
Visual Programming IV	11:15	Science 109	Anson Chapman	aeccrcss@Hotmail.com
Windows	9:00	Science 111	James C. Smith	Jamescsmith@bigfoot.com
Understanding O.S.s	11:15	Wilkinson 111	Charlie Moore	Mooreca@aol.com

SIG ALERT ! ! !

New information about special interest groups at NOCCC

Members have asked for a group on Gaming. If you can lead it, call or email Dave Keays.

Send the meeting reports to EDITOR@NOCCC.ORG by Sunday after the previous meeting.

Publication information

Guidelines for Submittal

You can now e-mail articles directly to the Editor through the North Orange County Computer Club's Web Site: editor@noccc.org, or just give the file on disk and printout directly to Dave Keays at the next meeting.

To transfer your article from your Windows word processor, click at the beginning of the article with your mouse, shift down arrow to the end of the article, then Edit Copy (^C), open your e-mail program, and Edit Paste (^V). If your article is too long to include in an e-mail, please save as ASCII file with a .TXT extension. Then zip the article and attach it to your e-mail.

All documents should have flush left margins, and only one carriage return between paragraphs. The editors will bold your paragraph headings, etc., in order to obtain consistent formatting throughout the Bytes.

Don't use CAPS for emphasis; that's like shouting at someone! Use CAPS for computer commands or file names, like AUTOEXEC.BAT or KNOW.TXT. For titles of books and software, capitalize the first letter of each word.

Also please spellcheck your article, and try to follow the ordinary rules of grammar. Don't use any kind of formatting (columns, tabs, indents, justification, hyphenation, etc.) If columns or tables are needed, send us a hard copy.

NOCCC Membership

If you haven't joined, you're missing a lot!

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 23 SIGs cover a broad spectrum of user interest; they invite you, whether you rank as beginner or seasoned computerist, to take in the lectures and demonstrations they sponsor, and to share computer knowledge.

Get Help with your current Computer Problems - In the Random Access portions of the meetings you ask your question of the entire assemblage, and more than likely someone will have the answer.

The NOCCC HelpLine - Some 100 NOCCC volunteers, experts in their fields, stand ready to assist with your problems, as close as your telephone.

The Orange Bytes Newsmagazine - Our award winning newsmagazine mailed monthly to your address   reports on current activities and gives you articles and reviews geared toward your needs.

Raffles - We distribute thousands of dollars worth of hardware and software raffle prizes at our general and SIG meetings.

Product Review - Write a review for the newsmagazine and keep the software, hardware, book, or Cd-ROM. Members review more than 20 products a month. For a list of products available email (items@noccc.org).

Consignment Table - We have a thriving consignment table on our regular meeting day, in which we assist members to sell or buy all kinds of computer items. Use our handy on-line form to prepare your paperwork in advance.

Volunteer Work - You are given opportunities to help our activities with interesting assignments. An all-volunteer organization, you can join with other members in a variety of activities like writing articles for our newsmagazine to conducting a seminar, and more

You may attend a meeting without joining NOCCC. Dues are $30.00/year. Members are entitled to the many benefits listed above. OK, Sign me up!

QUICK MEMBERSHIP APPLICATION

PLEASE PRINT!

Date:_____ I am a new member_____

This is a renewal, my membership number is_____

Name   _____

     Address_____

City   _____

State   _____   Zip   _____   Home Phone   _____
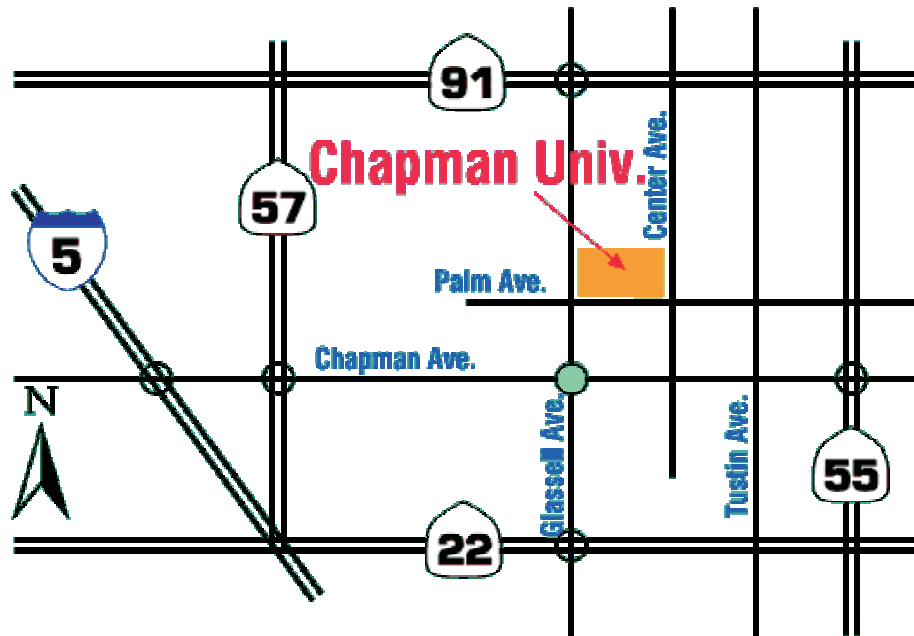
Fees: $30 per year plus $15 for each additional family member

Amount enclosed $_____

MC __ or VISA__

Credit Card Number _____Expires_____

Please make check payable to **North Orange County Computer Club**

parking information

Chapman University's main parking lot is on the north side of the campus (enter from Walnut) and is free of charge for NOCCC's meetings on Sunday. Please feel free to park in the parking lots.

Parking is also free on the campus-side of the surface streets. The city of Orange's parking laws prohibits parking in front of residential housing. Expensive parking tickets will be issued to violators.

North Orange County Computer Club

PO Box 3616

Orange CA 92857

Members:

Your expiration month and year
Appear on your mailing label.
Please renew promplty.