DAUG Bytes

http://www.daug.org

Upcoming July Meeting Topic: Apple G5 & Panther Preview

We will go over the new features in the new Apple G5 (doubtful, but we will try to get one to the meeting). We will also go through some of the new features in the next operating system - Panther.

Last month, we demonstrated Apple's Keynote. There was quite an interest in this PowerPoint replacement.

Due to a technical problem, the July newsletter was not sent out. It is being sent out now as the July & August issue. In addition, our Editor needed a month off.

Companies to unveil new products at Macworld CreativePro

By Jim Dalrymple jdalrymple@maccentral.com July 08, 2003--IDG World Expo announced several new products attendees could expect to see at the upcoming Macworld Creative Pro Conference & Expo. The show will take place July 14-18, 2003 at New York City's Javits Center. Companies that will have new products at the show (with booth numbers) include:

@Last Software (#347) will showcase newly released SketchUp 3.0, which allows everyone to design in 3D with the feel of napkin sketching; new features include text and dimensioning, material transparency and animation expor

AJA Video Systems, Inc. (#554) will introduce Io, the first uncompressed, 10-bit audio/video capture device that connects to a Mac over FireWire and is designed to work specifically with Final Cut Pro 4

Avias Limited (#238) will introduce MEC Station Deluxe, a portable FireWire interface that can be used as an MP3 music player, movie player, photo album, presentation device, and much more

Digital Lifestyle Outfitters (#765, Digital Media Pavilion) will introduce TransPod FM, the all-in-one car solution for the new 3G iPods that includes a combination charger, mount and FM transmitter all in one modular uni

eZedia Inc. (#359) will showcase eZediaMX 3.1 Beta, the newly released multimedia authoring and editing software with the ability to export interactive eZediaMX projects to QuickTime as well as animate text, graphics and movies. (continues on page 2)

MacWorld CreativePro (con't from page 1) Harmony Remote (#411) will introduce Macintosh July/August 2003

Dates to Remember

Aug. 18, 2002	General Meeting
Aug. 27, 2002	Board Meeting
Sept. 15, 2002	General Meeting
Sept. 24, 2002	Board Meeting

Future Meeting Topics

Aug. — Apple new hardware reviewwe'll try to get a new G5 to show and Panther previews...

Sept. — Welcome Back meeting -where we'll cover a variety of topics Oct. — DV-DVD

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MacWorld CreativePro (con't from page 1)

Harmony Remote (#411) will introduce Macintosh support for the Harmony Remote SST-768 and SST-748, universal remote controls that use Smart State Technology to provide intuitive, one button control of complex home theater systems

IOGEAR, Inc. (#559) will showcase its new FireWire 800 PCI cards, the first PCI cards for the new high-speed peripheral standard also known as IEEE 1394b, allowing users to access all upcoming FireWire 800 devices

Loud, Inc. (#451) will release three breakthrough animation applications for truly creative DVenthusiasts, kids, and animators, as well as an update to its already popular Stop-Motion Studio

LumiQuest (#225) will introduce Ultra Image, which is used in conjunction with Photoshop to automate time consuming steps, provide a template to customize actions, resize and prepare images for Web or print and more

Oki Data America's Inc. (#846) will showcase its OKI C9500dxn Pro Studio Edition Digital Color printer, the ideal printing solution for color-accurate concept proofs and cost-effective short-run printing

Parliant Corporation (#366) launches Phone-Valet, an inexpensive multi-line computer telephony integration solution for Mac OS X with voice dialing, talking caller ID and call logging

Pantone, Inc. (#311) will showcase PANTONE COLORVISION PrintFIX, an integrated hardware/ software solution for artists and photographers that delivers accurate printer profiles for photographic inkjet prints

Sony Electronics (#958) will showcase its FIU600/M Puppy fingerprint identity device, packaged with Puppy Suite authentication software, providing an easy-to-use solution for securing access to Mac OS X systems

Apple's VP of Hardware Product Marketing, Greg Joswiak, will deliver the opening feature presentation at 9:30 am ET on Weds., July 16.

Focused on professionals and "prosumers" interested in design, publishing, video and audio, Creative Pro combines an education program comprising conference sessions and in-depth seminars, along with pre-conference one and two-day tutorials focused on specific applications and tools. What's more, there's an exhibit hall that features vendors who will be showing off the latest hardware and software products. *IDG World Expo and MacCentral are both owned by IDG.*

Adobe drops Mac support in new version of Premiere

By Jim Dalrymple jdalrymple@maccentral.com

July 07, 2003--Adobe Systems Inc. announced a new version of its digital video application, *Premiere*. The new version adds features and is completely redesigned, but the company also dropped support for the Macintosh, citing financial considerations and Apple's continued foray into the software market as reasons for the decision, *News.com* reports.

Adobe's main competitor in the digital video editing space is Apple's *Final Cut Pro*. The new version, announced at NAB in April, became available last month and incorporated over 300 new features, according to Apple.

"If Apple's already doing an application, it makes the market for a third-party developer that much smaller," said David Trescot, senior director of Adobe's digital video products group. "I think you're going to find that more and more—if Apple's in a software market, third-party vendors are going to skip it." In response to the news, Apple issued a statement welcoming *Premiere* customers to make the switch to the Mac. [ed. note: see IMHO, page 7]

"With the announcement of the new Power Mac G5 and the innovations in *Final Cut Pro 4*, there has never been a better time for Premiere customers to make the switch," Apple said in a statement. "Even with this, Adobe and Apple continue to have a great relationship, as evidenced by Adobe's recent support of the new Power Mac G5 with *Photoshop* performance that is twice as fast as before."

Premiere was not Adobe's only announcement of the day: the company also announced a new version of *After Effects*, bringing it to version 6.0. The new version does support the Mac and integrates a new text engine for creating unique typographic animations. The new text capabilities in *After Effects* 6.0 allow users to type, edit and format text directly in the Composition window, providing immediate results.

Among other new features, Adobe also included performance optimizations in *After Effects*, including support for OpenGL to improve the speed and interactivity of onscreen rendering.

Adobe After Effects for Mac OS X 10.2.6 is expected to ship in U.S./Canada by the end of August 2003. After Effects 6.0 will be available for US\$699 for the Standard edition and \$999 for the Professional Edition. Registered users of Standard edition can upgrade to After Effects 6.0 for \$199. Registered users of Professional edition can upgrade to After Effects 6.0 for \$299. Owners of previous versions of the Standard edition can upgrade to the Professional edition for \$499. Both versions will be available through Adobe's licensing and education programs.

DAUG Bytes

Apple steps into the future with Panther and G5

By Jim Dalrymple <u>jdalrymple@maccentral.com</u>

June 24, 2003 -- Apple on Monday passed its Intel-based competition in processor power with the release of the much-anticipated <u>Power Mac G5</u> desktop computer. The company also used the Worldwide Developers Conference (WWDC) to show the advanced features of <u>Panther</u>, the next major revision to Mac OS X Apple will release later this year.

Apple's new G5-based personal computer not only gets a new chip, but also gets a complete overhaul of the architecture of the machine. Billed as "the world's fastest personal computer," the G5 features a 64-bit processor and 1GHz front-side bus, can address up to 8GB of memory and features processor speeds of up to 2GHz.

The mid-range and high-end systems incorporate 400MHz 128-bit DDR SDRAM with throughput of up to 6.4GB/sec, one 133MHz and two 100MHz 64-bit PCI-X expansion slots and AGP 8x Pro graphics slots. The processors and their 1GHz front side bus can handle 16GB/sec of bandwidth, according to Apple.

"From the very beginning we said that when we come out with the next generation processor we want to upgrade the whole architecture," Phil Schiller, Apple's senior vice president of Worldwide Product Marketing, told MacCentral.

"This has been in the works for years and we knew what we couldn't do was just take that chip and drop it into what we have today," added Greg Joswiak, Apple's vice president of Hardware Product Marketing.

Apple's renewed relationship with IBM doesn't mean that Motorola will be going away anytime soon. In fact, Apple will keep one G4-based configuration around for as long as the market demands. The G4 model will sell for \$1299 directly from Apple.

"Motorola is huge for us," said Joswiak. "Our partnership with Motorola is not going away, G4s are in every other part of our product line. As you can see, [the G5] is not going in a PowerBook anytime soon. Motorola remains very important to us, but IBM is the one that can take us to the next level."

Apple's pro customers have been screaming for a fast machine for a long time. Graphics and audio pros lament the power that Intel-based machines are able to deliver to its customers running the same applications found on the Macintosh. Demos at WWDC by Steve Jobs during his keynote suggest the G5 can outperform even the fastest Xeon processors, possibly making the G5 the target machine for pro customers in the future.

"The fact that it's the fastest personal computer in the world, we think is going to work [bringing in new customers]," said Joswiak. "This thing runs circles around the dual Xeon."

Developers get Xcode

The releases weren't just about cool features in Panther or hardware like the G5 and iSight; developers were looked after today, as well. During his keynote Jobs introduced Xcode developer tools. Xcode combines a Unix-based development environment, a simplified user interface, and performance technologies including Fix and Continue, Zero Link and Distributed Build.

Xcode delivers performance improvements five times faster than Apple's previous generation developer tools, delivering significantly faster turn around times for developers creating applications for Mac OS X. With the Fix and Continue feature, developers can make live code changes to a running application and see their effect immediately without the need to restart the application.

"The entire keynote was quite impressive," said Rich Siegel, founder, president and CEO of Bare Bones Software. "Yet again, Apple innovates on machine speed, video cameras, iChat and such, which was a lot of consumer news given this is a developer conference. Developers were well fed though, since the new frameworks and APIs definitely open up a wealth of opportunities for us to also innovate."

Mac OS X Panther packs in new features

Mac OS X Panther has added over 100 new features ranging from a new Finder to video conferencing software with iChat AV. Jobs described the new Finder as "user-centric," putting users at the center of the computing experience.

"The Finder has a new approach where people and the things that they do all the time, whether it's drives that they use, networks they visit or folders they often open, is all in one place," said Ken Bereskin, director of Mac OS Product Marketing, in an interview Tuesday with MacCentral.

Other new features include faster search, colored labels, and better integration with Windows network environments. Panther supports ActiveDirectory and SMB-based home directories on Windows servers and enhanced Windows integration that allows for printing to shared printers.

One feature that created a buzz from show attendees was Exposé, which allows users to view all open windows and choose any one of them to be on top; Exposé also unshuffles overlapping windows into an organized view.

"There are a lot of big deals in Panther: The Finder, iChat AV and Exposé are just a few," said Bereskin. "Exposé could be the most innovative advance in the graphical interface since the Mac was created."

Apple also added FileVault, which secures the home directory content with 128-bit AES encryption; Mail has been updated with several new features; Pixlet, which is billed as a "studio-grade codec" for QuickTime designed for filmmakers; Font Book -- a system-level font management system; and preview and iDisk among other things were also improved.

"Most of these ideas are things that have come up since Puma and many of them since Jaguar," said Schiller. "We came up with Exposé and the other features in the last year of working on the operating system. We're not in a space where we are still finishing things we wanted to do with Mac OS X;

"Jaguar was that, and we are beyond that now." 🗰

It's Big... It's Bad... It's... The Battle of the Browsers

It's not just Explorer and Netscape Navigator anymore

Apple responds to Microsoft dropping Internet Explorer

By Jim Dalrymple maccentral.com

June 17, 2003 -- For the first time since Microsoft Corp. made its decision to stop development of Internet Explorer for the Macintosh, Apple Computer Inc. on Tuesday made a statement regarding the decision.

"Safari is the fastest browser on the Mac, and has become the browser of choice for millions of Mac users," said Apple in a statement given to MacCentral. "The Safari beta program has been an incredible success, and we will be releasing Safari 1.0 soon. Microsoft's Macintosh Business Unit felt it was a good time to reassign their resources working on IE to the revenue-producing Mac products they are working on, such as the next versions of Office, Entourage (including an Exchange client) and Virtual PC."

Last Friday, Microsoft officially dropped development of Internet Explorer for Macintosh. While support for the product has not ended, future updates -- including one released yesterday -- will be maintenance and security updates only, no new features will be introduced.

In explaining their decision, Microsoft's Macintosh Business Unit Product Manager, Jessica Sommer, cited Apple's new Web browser Safari and the fact that Apple can work with the application and the operating system like no other developer can.

"The feedback we're getting from our customers and the features they're asking for is all pointing to Apple and Safari," said Sommer. "Apple has better resources because they have Safari and the operating system."

Despite the fact that Internet Explorer development has stopped, Sommer said the rest of Microsoft's Mac product line is safe, saying the company is working hard on the next version of Office and many other products.

"We are working diligently on the next version of Office -- these [IE and Office] are not connected in any way. Office is still intact and going strong -- there are no plans to stop development on Office for Mac even after the next version is released."

Internet Explorer updated

Microsoft released an update for IE for OS X on June 16. Internet Explorer 5.2.3 for OS X offers security and performance enhancements, as well as improved browser compatibility for enterprise users who work on a network with secure authentication or with proxy servers. Internet Explorer 5.1.7 for Mac OS 9 will provide similar security and performance improvements when it's released shortly.

WWDC: Apple releases Safari 1.0

By Dennis Sellers maccentral.com

During his Worldwide Developers Conference keynote, Apple CEO Steve Jobs announced Apple would make the final version of its <u>Safari</u> Web browser available for download from Apple's Web site and through the Software Update System Preferences pane.



Jobs told the assembled developers that Safari has seen over five million downloads of the beta versions in the past six months; version 1.0 will be the default browser for the new Power Mac G5s coming in August. Also, Apple released a Safari SDK (Software Developer Kit), so that developers can embed the browser's HTML rendering engine directly into their applications.

Safari 1.0 requires Mac OS X 10.2 ("Jaguar") or higher and is optimized for Mac OS X 10.2.3 "Jaguar" or later. The final version of the browser is localized for English, Japanese, French, German, Italian, Spanish, Dutch, Brazilian Portuguese, French Canadian, Norwegian, Danish, Finnish, Swedish, Korean and Simplified Chinese. [ed. note: see a glowing review of Safari in the Washington Post at:http://www.washingtonpost.com/wpdyn/articles/A43537-2003Jun27.html]

Opera 6.0.2 released; 7 coming to Mac also

By Peter Cohen maccentral.com

<u>Opera Software</u> [www.opera.com/] has released an update to their alternative Web browser for Mac, Opera v6.0.2. The company has also stated plans to bring Opera 7, the latest generation of its Web browser, to the Mac later this year.

Changes to Opera 6.0.2 include speed optimizations, a smaller footprint, improved security, the ability to work in Kiosk Mode, and a long list of improvements and bug fixes. Opera 6.0.2 has been localized in English, French, Japanese and German languages, and the developer plans to offer other localized versions in the new couple of weeks.

Opera can be downloaded and will work for free with a sponsored advertising banner. To operate Opera without

sponsored advertising banner. To operate Opera without the banner in place, users are required to pay US\$39 for a registration code. Registered users will get a free Opera 7 upgrade once it's released, and other benefits. (more next page)

(Browser Battles, con't)

Reborn as Firebird, Mozilla Phoenix goes OS X

By MacCentral Staff

Mozilla Firebird v0.6 is now ready for download. It's a redesign of Mozilla's browser component, rewritten using the XUL user interface language, and designed for cross-platform compatibility. The new version of Firebird now sports a new look, a redesigned preferences window, and preliminary support for Mac OS X. Privacy options have been improved, bookmarks enhanced, "Talkback" info has been implemented to report crashes to developers, and much more has been added too.

0.6 is a major new release that's been in the works for a while. Nightly binaries and milestones are also available for your review, as well. Visit the Web site for more details: www.mozilla.org/projects/firebird/

WebDesktop now uses Apple's WebKit

July 08, 2003--Steven Frank, co-founder of shareware developer Panic Inc., has a side-project that may be of interest to Mac users interested in expanding their Web browsing capabilities: <u>WebDesktop</u> 2.0, a major upgrade to the application that layers a Web browser over your Mac desktop. For more info visit: <u>http://stevenf.com/index.php?node=WebDesktop</u>

With WebDesktop 2.0, you can access a fully functional Web browser from the Finder. Practical applications include monitoring stock quotes, intranet/Internet servers, staying upto-the-minute with news, and more.

The new version of WebDesktop now uses Apple's WebKit, announced at WWDC last month. WebKit enables WebDesktop to use the same HTML rendering engine used in Safari, supporting capabilities like Flash and animated GIF images. Keyboard input in forms is supported, too.

Mac OS X 10.2 "Jaguar" and Safari 1.0 are both required to get WebDesktop to work. It is distributed as freeware.

Watson update is Panther-ready

July 08, 2003--Apple's "Panther" Mac OS X update isn't expected to be released until closer to the end of the year, but Watson developer <u>Karelia Software</u> [www.karelia.com/] is wasting no time: The company has indicated that its v1.7.2 update to Watson is now Panther-ready. Watson is a Mac OS X-native desktop interface to access lots of different Web-based data. You can look up currency exchange rates, track prices on items you're interested in, search for recipes and much more: Watson provides access to more than 20 different Web-based services from its own interface.



The ultimate Apple experience.

Apple Store North Michigan Ave.

679 North Michigan Avenue Chicago, IL 60611 312-981-4104

Store Hours:

Mon-Thur: 10:00 AM to 10:00 PM

Fri - Sat: 10:00 AM to 11:00 PM

Sun: 11:00 a.m. to 6:00 p.m.

How to get here: The Apple Store, North Michigan Avenue, is next to Nike Town and Sony on the southeast corner of Michigan and Huron. *[Trivia*

SITE for SITES

Below are some favorite Mac websites:

MacSurfer.com	VersionTracker.com
OSXHints.com	MacAttorney.com
MacDownload.com	n VersionTracker.com

MacCentral.com MacRumors.com

MacMilitia.com MacInTouch.com

Site of the month: www.microsuck.com (not exclusively a Mac site, but an anti-Windows/anti-MS site)

Be sure to read "What's So Bad About Microsoft?" at www.microsuck.com/ content/whatsbad.shtml

Mac Tips'n'Hints!•Courtesy of Paul Taylor • www.mac-hints-tips.com/

If you have any tips to share, please email: paul@mac-hints-tips.com.

Too Many CDs?

Sooner or later, you will find yourself with way too many CDs to keep track of (unless you are really super organized). Some CDs you have may be old software that you no longer use but do not want to throw out.

A good way to keep a lot of CDs you do not use often is to stack them inside an empty cakebox CD-R container (the 50-pack CD-Rs come in with a tube in the middle). It won't make it easier to find a particular disc, but you can sure stack a lot of them neatly in a small space.

The Finder, Kennewick, WA

New Startup Options

The iMac (Slot Loading), iBook, and Power Mac G4s give you the ability to choose a boot volume during the start-up process. Here's how: Just press and hold the Option key at startup. When the Mac boots, you'll see a Circular Arrow icon, along with icons for any bootable devices attached to your Mac, and an Arrow icon.

If you click on the Circular Arrow icon, your Mac will rescan all busses for any bootable devices. Select your preference, then click the Arrow icon on the right to proceed with startup. *Sumpter MUG, Sumpter SC*

OS X

RAM-arkable Memory

In OS 9, I kept my Web browser and its cache files in a RAM disk to improve performance. OS X doesn't seem to offer a RAM-disk option. Is there a way to create such a thing in OS X? There is.

Point your browser to www.clarkwoodsoftware.com and download a copy of Clarkwood Software's 25 ramBunctious 2.0 — a utility that allows you to create a RAM disk in OS X.

Now that you know you can create a RAM disk, let's discuss whether you should. If your Mac is RAM starved, don't expect it to be much zippier with a RAM disk — the RAM disk and OS X will squabble over memory alloca-tion, and this will likely negate any performance gains.

If, on the other hand, you have RAM to burn, a RAM disk may help. The operating system will have plenty of RAM to work with, and you can devote unused RAM to tasks of your choosing — running a specific application and its documents, for instance.

But you can realize benefits other than raw performance gains from a RAM disk in OS X. For example, shoving an application and its working files into a RAM disk could cause your PowerBook to access its drive less often, thus extending the time you can use your laptop under battery power.

And those users who run Macs with noisy hard drives will hear less of this incessant mechanical caterwauling because a RAM disk allows the hard drive to spin down more often. *Chris Breen's Mac911 via Newsbreak*,

MUG One, Oneonta NY

Maximize Your Finder Toolbar

OS X's Finder Toolbar is as flexible as the Dock. You may already know that you can select "Customize Toolbar" from the Finder's "View" menu and create your own button configuration. However, this only skims the surface of the toolbar's flexibility.

You can also drag any application or folder onto the toolbar for quick access. And since the toolbar is interactive, you can drag and drop files on its icons to open documents with specific applications (or perform other file-oriented tasks).

As an example, let's add StuffIt Expander to the toolbar. Open a Finder window and click once on Applications. Locate and open the Utilities folder, and then drag the StuffIt Expander icon to the toolbar. Now, any time you want to expand an archive quickly, you can simply drop it right on top of the new toolbar icon.

Other helpful applications to keep in the toolbar include DropStuff to compress files and folders, and Preview to view just about any image file. Experiment with different applications to see what works best for you. You can maximize space in the toolbar by turning off text descriptions.

Select "Customize Toolbar" from the Finder's "View" menu, then choose "Icon Only" from the pop-up menu at the bottom of the window. This eliminates the item names, allowing you to pack a lot more icons into the toolbar. Keep in mind that you can also divide items by inserting separators.

AppleGram, Apple Corps of Dallas TX

Resize the Dock

You can resize your Dock by simply placing your cursor over the divider line to the right side of the dock (the one that separates the apps from the folders and Trash. When your cursor changes to a horizontal bar with two arrows, just drag your cursor in the proper direction.

MacVIEWS, Ft. Wayne IN

Take Control!

Here's are some good uses for the Control key. Control/Click on any open application in the dock and you'll see a new menu pop up that allows you to hide or quit the application.

You can also find the original application and make it show up in a new window.

If you're running *iTunes* in the background, Control/Clicking its icon in the dock will give you a complete list of options! If the phone rings, you can pause *iTunes* while you talk. If you want to rate the song while it playing, you can!

Charlotte MacWorkshop, Charlotte NC 🗯

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We have a new membership director! Welcome, PHIL DE BUHR

> I.M.H.O.... Linda Cowls, Editor No Mac is an island... but for how long?

I see a disturbing trend looming on the Mac horizon, in just the stories I pulled for this issue alone. Apparently, Apple is doing such a whiz-bang job with its own software development—as evidenced with FinalCut Pro and Safari—that MS drops future versions of Internet Exporer and Adobe follows suit with Premiere for Mac. What's next? Will Keynote prove so spectacular that MS won't bother upgrading PowerPoint for Mac anymore?

This all reminds me of the original Macs, which in the mid-80s came bundled with *MacPaint* and *MacWrite*. Apple eventually abandoned the practice of including them, leaving a path for third-party developers to write more Mac applications. Then they picked the practice up again in the early 90s by including *ClarisWorks* with home Macs, which, along with all the free CD-ROMs, probably helped to sell a lot of Performas.

So then, what are they doing now? If they keep making such ultracool, wonderful goodies that nobody else wants to compete with them, the Mac will eventually become An Island—with all Mac owners totally dependent upon Apple to make the best use of our machines.

Apple is really taking a huge gamble here. This tactic will either increase Mac market share in a world growing more disenchanted with Microsoft, OR... it will tip the scales the other way, and serve to isolate th Mac even further. Judging by the breathtaking new Apple Chicago store, they seem to be serious about attempting the former.

What do YOU think? Send submissions to: LindaC26@aol.com and please use "DAUG" in the subject line so it doesn't get lost in the e-mail shuffle. 🗯

Help List

The following members have agreed to help other DAUG members with various computer problems they may be having. While phone calls are acceptable, e-mail is the preferred method of contact. If you would like to help other members, send e-mail to: President@DAUG.org. Be sure to include your Area of Help, Name, Phone, Email. Current opening available for a ClarisWorks/ AppleWorks person!

Internet and online

Don Pokorny (630) 985-9065 Contract73@aol.com

Spreadsheets, **Databases**, **Video**

Jim Rietz (630) 910-7075 jrietz@think-different.com

DTP, online, Apple II, PC Connectivity

Ed Danley (630) 961-2462 EdwardD20@aol.com

Microsoft Word, QuarkXpress

Linda Cowls (630) 455-1488 LindaC26@aol.com

Classifieds

Have an item to buy or sell? Let Linda or Jim know!

iList

The DuPage Apple User Group Information List is available now! The list is intended for the exchange of information, help request, meeting topic requests, announcements and more. You can subscribe today by sending and e-mail message with the "Subscribe" subject to iList@DAUG.org. Within a few minutes. you will receive confirmation message. You must reply to this message to complete your subscription! After you are subscribed, you can send a message to iList@ DAUG.org and it will be forwarded to all members of the list.

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The Purpose of the DuPage Apple User Group

The DuPage Apple User Group is a community based Apple User Group. The main purpose of the DuPage Apple User Group is to promote and encourage the education, training and understanding of its members and guests in the use of APPLE microcomputers in homes, schools and businesses. The DuPage Apple User Group is not affiliated in any way with Apple Computer, Inc.



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