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Volume 23, Issue 7



mini'app'les newsletter

the minnesota apple computer users' group, inc.

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16	17 7:00	18	19 6:30	20 7:00	21	22
23	24	25	26 7:00	27 6:30	28	29
30	31 6:00 7:00					

- 3 **Computerized Investing**
Washburn Library
5244 Lyndale Ave S. Mpls,
Denis Diekhoff, 612-920-2437
- 5 **AppleWorks SIG**
Washburn Library
5244 Lyndale Ave S. Mpls
John Hunkins, Jr., 651-457-8949
- 8 **Board of Directors**
mini'app'les members welcome.
Byerly's
7171 France Ave. S., Edina
Lisa Huston
- 10 **Apple II / GS SIG**
Ramsey County Library
2180 Hamline Ave. Roseville
Tom Gates, 612-789-6981
- 12 **Microsoft Word SIG**
2850 Metro Drive Rm 124,
Bloomington
Tom Ostertag, D 612-951-5520 E
651-488-9979

- 13 **Macintosh Main**
Washburn Library
5244 Lyndale Ave S. Mpls,
Gary Eckhardt, 952-944-5446
- 17 **Fourth Dimension SIG**
8200 Humbolt Ave South
2nd Fir. Conference Rm.
Bloomington
David Ringsmuth, 612-853-3024
- 19 **Photoshop-Digital Imaging**
Washburn Library
5244 Lyndale Ave S. Mpls,
Gary Eckhardt, 952-944-5446
- 20 **Macintosh Consultants SIG**
Embers
7525 Wayzata Blvd
St. Louis Park
Bob Demeules, 612-559-1124
- 20 **Quicken SIG**
2850 Metro Drive, Rm 124
Bloomington
Dale Strand, 612-835-5872

- 26 **Macintosh / Programming SIG**
Washburn Library
5244 Lyndale Avenue S, Mpls
Andre Benassi, 612-502-0187
- 27 **FileMaker Pro SIG**
Partners, Suite 5
1410 Energy Park Drive, St
Paul Steve Wilmes, 651-
458-1513
- 31 **Macintosh Novice SIG**
Merriam Park Library
Marshall & Fairview, St Paul
Richard Becker, 612-870-0659
- 31 **Meet Your iMac / Mac SIG**
Merriam Park Library
Marshall & Fairview, St Paul
Brian Bantz, 612-956-9814



mini'app'les

The Minnesota Apple Computer Users' Group, Inc.
P.O. Box 796, Hopkins, MN 55343

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Newsletter Contributions – Please send contributions directly to our Post Office, Box 796, Hopkins, MN 55343 or upload them to our BBS at 952-595-9404.

Deadline for material for the next newsletter is the 1st of the month. An article will be printed when space permits and, if in the opinion of the Newsletter Editor or Manager, it constitutes material suitable for publication.

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Moving? Going to be away from home and leaving a forwarding address with the Post Office? Please send us a Change of Address when you are informing others. By using a moment of your time and a few cents to drop us a card, you save the club some money and you get your newsletter delivered promptly to your new address. If you don't inform us, the Post Office puts your newsletter in the trash (they don't forward third class mail) and charges the club for informing us of your new address. Change of Address should be sent to the club's mailing address: mini'app'les, Attn: Membership Director, Box 796, Hopkins, MN 55343.

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Table of Contents

August, 2000 Preview.....	3
Members Helping Members.....	4
AltaVista free access comes to the.....	5
Apple's clock speed headaches.....	5
Apple wins Industrial Design Excellence Awards.....	5
Business briefs: Former Apple exec joins Knowledge.Net.....	6
Home automation software loves AppleScript, older Macs.....	6
IBM introduces new PowerPC chips Staff Report,.....	7
IDC: Apple tops U.S., worldwide education markets.....	7
Life in the Mac Lan	7
May Digital Imaging SIG Report	9
Pyro products setting a Fire.....	9
Apple eNews June 15, 2000 Volume 3, Issue 13.....	9
QuickTime News June 23, 2000 Volume 2, Issue 10	11
Star Wars Episode II being rendered with Maya on MP G4s?	12
Membership Application.....	13-14
For Sale by Members.....	15

August 2000 Preview

Here is the tentative calendar of our Special Interest Group (SIG) meetings for August 2000. Please pencil these events on your calendar. As always, when doubtful of a SIG date, time, or location, confirm with one of the following:

- Our BBS, the Calendar Folder in the Conferences Folder
- Our Voice Mail Telephone number: 651-229-6952
- The cognizant SIG Leader

Wednesday	August	2
Saturday	August	5
Monday	August	7
Wednesday	August	9
Thursday	August	10
Tuesday	August	14
Wednesday	August	16
Thursday	August	17
Thursday	August	17
Monday	August	21
Wednesday	August	23
Thursday	August	24
Monday	August	28
Monday	August	28

AppleWorks nee ClarisWorks SIG
Board of Directors meeting
Computerized Investing SIG
Microsoft Word SIG
Macintosh Main SIG
Apple II / GS Main SIG
PhotoShop / Digital Imaging SIG
Macintosh Consultants
Quicken SIG
Fourth Dimension SIG
Macintosh Programming SIG
FileMaker Pro SIG
Macintosh Novice SIG
Meet Your iMac / Mac SIG

Members Helping Members

Need Help? Have a question the manual doesn't answer? Members Helping Members is a group of volunteers who have generously agreed to help. They are just a phone (or an e-mail) away. Please call only during the appropriate times, if you are a member, and own the software in question.

Apple II / IIGS Software & Hardware	1, 5, 8, 15
ClarisDraw	2
AppleWorks / ClarisWorks	7, 8, 9
FileMaker Pro	
FirstClass	
HyperCard	11
MacWrite Pro	
Microsoft Excel	2, 5, 6
Microsoft Word	5
MYOB	6
PhotoShop	3, 14
Quicken	2, 6
QuickBooks and QuickBooks Pro	6
Mac OS 7	8
Mac OS 8	12
WordPerfect	4
Cross-Platform File Transfer	5,15
Networks	11
New Users	10, 11
PowerBooks	11
Classic Macs	11
Power PC 601 Power Macs	
iMacs	13

1. Les Anderson	651-735-3953	DEW
2. Mike Carlson	218-387-2257	D
3. Eric Jacobson	651-645-6264	D
4. Nick Ludwig	612-593-7410	DEW
5. Tom Ostertag	651-488-9979	EW
6. Ardie Predweshny	612-823-6713	DEW
7. Owen Strand	612-427-2868	D
8. Bruce Thompson	612-546-1088	EW
9. Pam Lienke	651-457-6026	EW
10. Tom Lufkin	651-698-6523	EW
11. Ben Stallings	612-870-4584	DEW
12. Chuck Hauge	651-292-9029	D
13. Rodney O. Lain	651-452-5821	EW
14. Gary Eckhardt	952-944-5446	EW
15. Michael Cumings-Steen	651-644-8653	DEW

D: Days, generally 9 a.m. to 5 p.m.
 E: Evenings, generally 5 p.m. to 9 p.m.
 W: Weekends, generally 1 p.m. to 9 p.m.

Please call at reasonable hours, and ask if it is a convenient time for them. By the way, many of these volunteers can also be contacted on our BBS. We appreciate your cooperation.

If you would like to be a Members Helping Member volunteer, please send an e-mail message to John Pruski on our BBS, or call him at 952-938-2818, with your name, telephone number, contact hours, and the software or hardware areas you are willing to help others.

Newsletter Ad Rates

1/12 page 2.25" Width x 2.5" Height \$5	Outside back cover . 7-1/2" Width x 7-1/2" Height . . \$50
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1/3 page 2.5" Width x 10" Height Vert or 5.5 H. . . \$20	
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Mail inquiries to: PO Box 796, Hopkins, MN, 55343
 Phone inquiries to: John Pruski, 952-938-2818

AltaVista free access comes to the Mac

by Dennis Sellers,
dsellers@maccentral.com
June 5, 2000, 1:45 pm ET

Today AltaVista and Lycos expanded their free Internet access program to include support for Macs. This is the first free quality dial-up Internet service for Mac users offered by a leading Internet brand, claims Katherine Eagleton, AltaVista spokesperson. "This new service (available to 2.3 million Mac households) will continue to put pressure on the obsolete practice of paying for dial-up access, as well as providing the untouched Mac market this service," she says. "AltaVista Free Access is currently signing up approximately 10,000 users per day and has more than 2.5 million registered users for its service."

AltaVista Free Access is a high-quality dial-up service available for download in North America at

Apple's clock speed headaches

by Happi McQuirk, happi-macs@maccentral.com
June 5, 2000, 2:30 pm ET

On the issue of clock speed (the G4 500MHz against the new PC 1GHz machines), Gene Miller of Apple's Creative Markets division said that, on a couple of things, the PC's are finally faster. But, Apple did some initial tests with Photoshop and found that the G4/500 is still 25 percent faster than Dell and 37 percent faster than Compaq. These speed tests are still in their preliminary stages Miller added.

The whole issue of clock speed is

<http://www.microav.com>. Bill Keenan, director of AltaVista Free Access, says that Mac users have been an untapped market for high-quality free Internet access, and "we're excited to bring the value of our free service to this dynamic group."

The two companies are providing the service through 1stUp.com, a provider of private label Internet access and web-advertising technology. 1stUp.com's private label access is currently used by over 100 consumer brands and according to 1stUp.com, "each will soon launch their own versions of the 1stUp.com Macintosh-compatible access offering."

AltaVista Free Access provides unlimited Internet usage at no cost in cities across North America through almost 5,000 dial-up phone numbers which cover over 95 percent of the U.S. and Canada, Keenan says. AltaVista Free Access features the world's first microportal, a small desk-

a huge marketing headache for Apple. When people are focused on megahertz, it's really bogus because that sort of thinking doesn't allow for the differences in architecture and the efficiency in the language. The Apple Performance Marketing Group likened this concept to shopping for a car based on horsepower. You could end up with a vehicle the size of house that doesn't go anywhere.

When asked if Apple could come up with some kind of new standard that would clearly and easily show the superiority of its computers, Gene laughed and said, "We're kind of at a loss in some regards because we keep

top application that provides personalized, up-to-the-minute news, info and links to AltaVista Network services, he adds. The microportal takes less than 5 percent of a user's screen space and contains a rotating advertisement within the window (yep, that's why the service is free).

The service is compatible with Microsoft Internet Explorer version 3.0 and higher and Netscape Navigator 3.0 and higher. It requires Mac OS 8.1 or greater, and offers support for Apple Remote Access and QuickTime.

Free online technical support is available by e-mail at questions-freeaccess@av.com and has a guaranteed response time of 48 hours or less. Toll-free telephone support in the US and Canada is also available at 1-877-584-5551.

finding that, when we look at it and study it, there's all kinds of advantages with Apple." What happened was that a lot of the PC folks focused on MHz because they thought it was measurable. Many of these people are engineers and they get off on identifiable, quantifiable numbers.

Confessing to a sense of frustration, he went on to say Apple is working on the issue. They have a group that's working on doing a lot of the comparison testing. I fervently hope that they will finally come up with a way to clearly show the speed, ease of use and productive superiority of the Apple computers.

Apple wins Industrial Design Excellence Awards

by Dennis Sellers,
dsellers@maccentral.com
June 6, 2000, 7:00 am ET

With the introduction of the iMac, Apple placed product design and aesthetics on the "hot list" for personal computers, showing that such machines don't have to be boring, beige boxes. Since then, the company has continued its design innovation. For those efforts, it's been honored with five awards in the Industrial Design Excellence Awards (IDEA) for

2000, published in the June 12 issue of "Business Week."

In both their form and function, this year's IDEA winners reflect a buoyant optimism, said juror Henry Kim of Hill-Rom, in a press release. The entries were judged by the Industrial Designers Society of America. The core group of winners this year are Net-connected, digital, problem-solving devices that are transparent, slim, and light.

"They pushed the fulcrum of technology but paid attention to how

people used products," says Kim.

Apple won gold awards for its Cinema Display and iSub woofer speaker for the iMac. The products were described as being "as elegant as they are functional." A silver award was awarded to the iBook adapter. In the category of environmental design (think innovative, office space design) for its headquarters and Macworld January set-up, the company brought home two more silver medals.

There were 1,078 IDEA entries this year, with 110 coming from 15

foreign countries. They include Belgium, Britain, Canada, France, Germany, Italy, Japan, Korea, the

Netherlands and Singapore. The 16 jurors handed out 40 gold awards, 71 silvers and 51 bronzes. You can check

out the entire list of winners at <http://www.businessweek.com>.

Business briefs: Former Apple exec joins Knowledge.Net

by Dennis Sellers,
dsellers@maccentral.com
June 5, 2000, 2:30 pm ET

A former Apple exec has joined the staff of Knowledge.Net, which specializes in next generation e-learning. Adam Hanin has been appointed as vice president of marketing.

Hanin most recently led business development and strategic planning for Compaq's Commercial Desktop and Displays Division. Prior to that position, he was manager of higher education for Compaq. His background also includes the position of national program manager for higher education sales operations at Apple.

Moving on to other business items, Linksys, a provider of broadband and networking hardware for the home, home office, small office and enterprise markets has announced the second release in its Instant Broadband Series -- the EtherFast 1-Port Cable/DSL Router. The product offers cross-platform sup-

port for the Mac, Windows 95/98/2000/NT and Linux using Windows Explorer or Netscape 4.0 or higher.

Ksoft is releasing CP_IconEdit 2.1, a visual image editor for editing Mac OS icons and Windows .ICO icons. Plus, CP_IconEdit enables the conversion between Mac OS and Windows .ICO icons.

In addition to icons, CP_IconEdit will import / create and edit Mac OS pictures and Windows .bmp files along with other file types that QuickTime can import/export. CP_IconEdit is available as shareware for US \$20. Cruise on over to <http://www.ksoft.net> for more info.

Bleu Rose Ltd. is releasing Black & Bleu v2.0, the latest version of the application that lists 4,384 Macintosh OS error codes with Apple's cryptic explanation of each. Black & Bleu enhances Apple's explanation of these Mac OS error codes by providing less cryptic and more detailed explanations and remedies for many of these

errors. Want to know more. Go to <http://www.bleurose.com>.

J2S, a company that specializes in multimedia and asset-management developments, has released PDF StartUp, an "autorun" application designed to automatically open a PDF document located on a CD-ROM when it is inserted into a computer. PDF StartUp first checks the presence of Acrobat and installs Acrobat Reader when necessary. The selected PDF document is then automatically displayed on screen.

The program is intended to invite the recipients of multimedia operations to actually read the content of the documents that are addressed to them, according to the folks at J2S. PDF StartUp consists of two versions so that it can work on computers running Mac OS or Windows. If you'd like to know more, go to <http://www.j2s.net/EN/Products/pdfStartUp.html>.

Home automation software loves AppleScript, older Macs

by Dennis Sellers,
dsellers@maccentral.com
June 5, 2000, 7:00 am ET
Submitted by Bryan Lienke

Sand Hill has released version 3.0.2 of their home automation software "Xtension." The folks at Sand Hill say that this version rounds out a suite of verbs that control the graphic views used to display dynamic pictures of your home or office.

"Now, the background pictures in Views can be changed, as with the time of day, and icons can be changed according to their current status," says Sand Hill's Michael Ferguson. "Your graphic views can now reflect a more personal and 'real' appearance. Pipe the video out of your Mac to a channel on all of your TVs. XTension is simply the most powerful home automation software available on any platform."

There are many other new features, as well, including the ability to use AppleScript as the scripting language. Xtension 3.0.2 is full scriptable, attachable and recordable. Plus,

you can control any other scriptable application from within Xtension. The new version has a database of up to 1,024 units with separate ON and OFF scripts for each unit.

You can control multiple units as a single group and load and save "Snapshot" files. These files can save and restore the current state of the database. Xtension 3.0.2 also has low RAM usage (under 512K) and supports older black and white Macs, including the Mac Plus and SE.

A "lite" version is free at the Sand Hill Web site, and is fully functional except that the database is limited to five units. The Web site is also a good source of info and ideas concerning X10 controllers and what your Mac can do with them.

The Xtension is featured in the June issue of MacTech Magazine (<http://www.mactech.com>), which you may wish to check out for more info.

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IBM introduces new PowerPC chips Staff Report,

email@maccentral.com
June 6, 2000, 11:00 am ET
Submitted by Bryan Lienke

IBM has introduced new PowerPC chips designed to improve communications and computing across the Internet although exactly which ones will make it into Power Macs hasn't been mentioned.

According to a Marketwatch report the new PowerPC products include standalone high-performance microprocessors, as well as complete "systems-on-a-chip" that combine embedded PowerPC processors with other commonly required functions onto a single piece of silicon. These chips can be applied in applications ranging from networking gear that carries Internet traffic, to new information appliances and other devices

used to access the Internet, says the article:

According to Marketwatch, the new products include:

The PowerPC 750CX and 750CXe microprocessors. Ranging in speeds from 350 to 700 MHz, they use IBM's advanced 0.18 micron copper wiring technology and incorporate 256K of high speed on-chip L2 cache, designed to enhance system performance and reduce system costs.

New "superstructure" products. They integrate onto a single chip a high-performance PowerPC processor, the CoreConnect on-chip bus architecture, and additional functions normally requiring separate chips. New "superstructures" include: a higher-speed 266 MHz PowerPC 405GP and new packaging options for smaller form factor designs; the 405CR oper-

ating at 200-266 MHz and providing up to 375 MIPS of performance; and the new PowerPC 440GP, one of the most advanced, highly-integrated systems-on-a-chip available in the industry, running at 400-500MHz with up to 900 MIPS performance and integrating PCI-X bridge, DDR SDRAM controller, 128-bit on-chip CoreConnect bus, on-chip SRAM, Superscalar 440 core; two ethernet ports and more on a single die.

The availability of the PowerPC 405 as a "core" for use in custom ASICs using IBM's advanced copper technology.

Expect more info on the products to be unveiled at the Embedded Processor Forum in San Jose, CA.

IDC: Apple tops U.S., worldwide education markets

by Dennis Sellers,
dsellers@maccentral.com
June 6, 2000, 10:45 am ET
Submitted by Bryan Lienke

International Data Corp. (IDC), a market research firm, reported today that Apple is still top dog in sales to the U.S. and worldwide education markets. IDC's "Q1CY'00 Worldwide Education Market Report" notes that Apple captured 26 percent of the U.S. education market and 14 percent of the worldwide education market.

"We consistently listen to our customers and work hard to design the best products that meet both classroom and administrative needs," says Mitch Mandich, Apple's senior vice president of Worldwide Sales, in a

press release. "Only Apple provides the innovative hardware, software and Internet offerings that together provide unparalleled solutions for the education market."

Besides such education-friendly products and services as the iMac, iBook, AirPort, iTools and iMovie, Apple is focusing on the education market with sites such as the Apple Learning Exchange. You can learn about Apple's educational services at <http://www.apple.com/education/>.

You can also expect the company to have a huge education presence at NECC 2000 in Atlanta, June 26-28. NECC is the National Educational Computing Conference. It's described as the country's most comprehensive and longest-lived educational-tech-

nology event, bringing more than 12,000 educators from all over the globe. There'll be a variety of keynote speeches and special sessions, and exhibits, all focused on the theme, "Connecting@the Crossroads." For more on the conference, go to <http://confreg.uoregon.edu/necc2000/>

By the way, the upcoming Macworld New York will offer MacBeginnings, a brand new series of introductory conference sessions offering basic educational content to novice Mac and Internet users.

Life in the Mac Lane

By Scott Kelby
Submitted by Bryan Lienke

WHY I WOULDN'T DEVELOP SOFTWARE FOR THE MACINTOSH PLATFORM (there are many reasons why pc software/hardware developers have it made by only developing for the windows platform) I used to be one of those crazed Mac fanatics, where every time I'd run across a software developer who had a great program that wasn't being developed for

the Mac platform, I'd have to send them a letter trying to convince them of the error of their ways and how much money would come rolling in if they'd just create a Macintosh version. It used to really keep me up at night, but now, I totally understand that I was in the wrong. I was looking at the whole thing from one side. My side. The side of a Macintosh user (OK, Mac maniac), who was angry because there was some cool software that I couldn't get, and I was whining. But

when I finally took a step back, a deep breath, and looked at it from the developers point of view, I realized that developing for the PC has a ton of advantages that just aren't there on the Mac platform. I'm not talking sheer numbers here (that's too obvious - the PC platform has millions upon millions of more potential customers). I'm talking about people. PC people. They have some distinct advantages (as customers) that actually make them a far more desirable tar-

get market than Mac users. For example:

(1) pc users are very patient

A patient customer is an ideal customer, and PC users are famous for their patience. For example, they don't mind sitting on hold for hours waiting for tech support. They're used to it, it's a part of their lives, and they don't seem to mind one little bit. You don't have to waste money hiring a huge tech support staff and then trying to train them - just throw a couple of Kelly Services temps in a room with two or three phone lines and a printed reference manual, and you're in business.

(2) pc users are thrifty shoppers

Since a PC user's main concern is buying a product at the absolute cheapest price, you don't have to worry about creating a high-quality product; you only have to be concerned with making a cheap one. You can cut all kinds of corners in production and quality control, because your products will sell as long as they're cheap. You don't have to concern yourself with trivial matters, like compatibility or ease of use. Just make sure it's dirt cheap, and they'll buy 'em by the truckload.

(3) pc users will listen to you

You have to admire PC users, tell them something, and they'll believe it. For example, I remember seeing Intel ads on TV, and the ads kept touting how it was going to completely change the users Internet experience. I remember thinking to myself, "Hey, it's not a cable modem; it's just a slightly faster chip than their last chip," but it didn't stop millions of PC users from upgrading their Pentium IIs to Pentium IIIs. That's my kind of customer - you tell them what you want them to do, and they do it.

(4) pc users are incredibly forgiving If you're a company like Microsoft, you can sell them products packed full of bugs and compatibility problems. You can have them jump through hoops to perform simple tasks like installing a program. And you can create software that causes them to spend more time troubleshooting their system than using it, and they'll still line up at midnight outside the store that's selling your new upgrade/bug fix and pay for the honor to buy it. That, my friends, is one forgiving customer and the type of consumer you want as a registered

user.

(5) pc users are diligent These are not lazy people. They think nothing of staying up all night trying to track down a virus or two or hunting down which driver is causing the system to crash over and over again. Nothing stops them. Crashes, viruses, bugs, conflicts 0 they don't give up; they keep going and going and going. These are the types of people who make great customers. They're willing to do their share of the work, so you don't have to.

(6) pc users aren't easily swayed You don't have to worry too much about losing your customers to another superior platform; you've got these guys hooked. Even though many industry experts will readily admit that there is a significantly more reliable and easier to use operating system out there, you don't have to worry about them jumping ship and switching to something better. It's like they're blinded, brainwashed if you will, and you're the lucky benefactor of their shortsightedness. Don't worry about someone changing their mind; it's already made up - they're PC users for life - have your way with them.

(7) pc users are followers

PC users live their lives by a golden rule: If their friends and co-workers buy it, it must be good. When it comes time to make a serious purchase, many people start researching, comparing models, looking at specs, and analyzing their personal needs. Not PC users. They look directly to their peers to find out which PC system they should buy and will often consult people who actually know substantially less than they do. Seriously think about it. How many times have you heard one neighbor ask another neighbor which PC they should buy? That's because they don't trust their own judgment, and looking at what their previous choices have been, I don't blame them one bit. This indecisiveness is your gain. Don't worry about spending millions to "get to the customer." Get to their neighbors, get to their co-workers, and you've got a customer for life.

(8) pc users have a short memory

If you have a product that isn't selling well, give it a name that sounds similar to a product that is selling well. For example, Apple's iMac has been breaking sales records for the entire computing industry, so

if you create a PC with a name that's somewhat similar, like the iPaq (from Compaq) or the eOne (from eMachines), there's a decent chance a PC user will make a mistake and think yours is that top-selling computer they've been reading about in Time and Newsweek, and they might actually buy one. They just don't remember trivial details like names and colors - the only thing PC users have been programmed to remember is Megahertz. They know they need a lot of them, but they're not exactly sure why. Face it, if PC users had a good memory, they never would've upgraded to Windows 98 once they remembered the nightmare they had with Windows 95.

(9) pc users don't need variety

Thinking of creating a new product in a wide variety of colors? Don't waste your money. PC users love beige. It's the color of their lives. Everything they use is beige - their computers, mouse, keyboard, joystick, you name it. A number of PC manufacturers have tried to follow Apple Computer's iMac success by coming out with computers in different colors, but not one has a hit on their hands. Why? Because PC users don't need variety. They like order, uniformity, a controlled environment. They like to be told what to buy and in what color. Save development costs and create your product in beige, and no one will complain. Remember, things that are repeated become pleasant.

(10) pc users have a sense of humor

Sure, they may seem humorless on the surface, but you can pull a trick or two on them, and they'll just shake their heads and laugh. For example, when a reporter for one of the big PC magazines got hold of an internal Microsoft document that revealed that Microsoft was aware that Windows 2000 had over 63,000 bugs but shipped it anyway, the PC community just laughed, shook their heads, then got in line to buy their copies. Nothing rattles these PC users; they just laugh it off and hand over their checks. They obviously know how to take a joke, and obviously, some companies know how to tell one. If you're looking for a customer who you can tell "The jokes on you!" then the PC market is an audience that needs no warming up.

Well that's it. If you're a developer, the choice is pretty obvious. If you're developing for the Mac market, you're going to have to spend a bundle on silly things like quality control, testing, industrial design, and (God help you) color. You'll have to waste time and money with things like seamless compatibility, style, plug and play, and you'll have to follow

May Digital Imaging SIG Report

by Jack Ferman, 19 May 2000

The May DI SIG was devoted to a piece of photograph enhancement software entitled PhotoGenetics by Q-Research of North Bend, WA. PhotoGenetics uses a so-called "eye doctor" approach in which one ranks successive image alterations by clicking on a scoring bar at the base of the operational window.

The program started out using picture files supplied by Q-Research and the results appeared reasonable. One of the files was an optically distorted picture of a knick-knack shelf affair. One might get such distortion by shooting with a very short focal length lens - one would expect cylindrical distortion in such a case. PhotoGenetics "dewarp" function did correct the distortion, but it did not do so by referring to any artifact in

Apple's guidelines, so your customers don't have to waste time learning how to quit, print, and other seemingly easy tasks. What's up with that? The good news is that apparently developing PC software/hardware is not about customers; it's not about quality service; it's not about choice, color, or creating a great product that people will really love - it's about

the picture. This was established by noting that continued application of "dewarp" introduced distortion in the opposite sense.

In the later part of the program, pictures having deliberate errors confronted PhotoGenetics. One set involved erroneous white balance camera settings - for the purpose a picture shot in sunlight used a tungsten white balance. The picture naturally had an obvious bluish cast. PhotoGenetics was totally unable to detect and correct the results of the white balance error. Another set involved colored illumination sources and the picture scene was a Kodak gray card with splotches of actual artists color paints (red, green, blue, white, and black). The illuminations were yellow, green, blue, and black-light, all incandescent, and the colors in the picture were skewed.

money. Maybe that's why many PC developers stay right where they are - where the money is - and where millions of those funny, patient, loyal, forgiving, diligent customers stand ready for your next buying instruction. Gees, those guys really have it made.

PhotoGenetics was unable to correct the illumination errors. In the sequel, it became apparent that PhotoGenetics cycled colorations into the picture without reference to the spatial color array in the picture itself. The last picture introduced to PhotoGenetics was an interior shot of Gavilidae Common in which the interior support columns were severely bent. Part of the bend artifact arose from the compositor's pasting of two shots together. PhotoGenetics would not be expected to repair the patching error but was nonetheless unable to correct optical curvature in the two halves with its "dewarp" feature.

By this time most of the audience had retired to the outer hallway, so the SIG was terminated 15-20 minutes early. Pie SIG went down at Baker Square and was poorly attended.

Pyro products setting a Fire

Staff Report, email@maccentral.com
June 5, 2000, 2:30 pm ET
Submitted by Bryan Lienke

ADS Technologies apparently loves IEEE 1394 (better known to Mac users as FireWire).

The company's Pyro 1394 ORB Drive is now available. It integrates the hot-swappable performance of FireWire connectivity with the ORB removable drive's magneto-resistive (MR) head technology. The Pyro 1394 ORB Drive provides 2.2 GB removable storage utilizing rewriteable media disks. The high-bandwidth of FireWire allows the maximum

throughput of ORB's data transfer rate of 12.2MB per second. To use it, you'll need a FireWire-enabled Mac or G3 with Pyro 1394 PCI host card installed and Mac OS 9.0.

ADS' Pyro 1394 Port is also shipping. Once available as a component of the digital editing solution, Pyro Digital Video 1394DV, the Pyro 1394 Port can now be purchased as a stand-alone product for the estimated street price of US \$59.95.

The OHCI-compliant IEEE1394 PCI card connects Macs and PCs to FireWire devices such as storage solutions, printers, scanners and digital camcorders. Pyro 1394 Port also

includes Ulead VideoStudio 4.0SE, and works with Apple's iMovie, which can be downloaded free from Apple's Web site.

The Pyro 1394 Port provides three FireWire ports with throughput at 400 Mbps/sec for the high-bandwidth demands of digital video transfer, CD-ROM, DVD and hard drives, VCR decks, and other 1394 peripherals on the horizon. Mac requirements are a Mac G3 with a PCI slot and Mac OS 9.0.4 and QuickTime 4.1. Drivers are downloadable from the Apple Web site.

Apple eNews June 15, 2000 Volume 3, Issue 13

In This Issue

1. Ever Had One of Those Crazy Dreams?
2. "Now There's Just No Excuse Not to Go and Make a Film."

3. A Big Space
4. Now Available: Final Cut Pro 1.2.5
5. More Products, More Places
6. Get a Sneak Preview of QuarkXPress 5.0
7. Technically Speaking...

8. Quick Takes

If you'd like to read this issue on the web, go to:
<http://www.apple.com/enews/2000/06/1Senews1.html>

1. Ever Had One of Those Crazy Dreams?

Lots of us have. And we've found a place that not only accepts but encourages them. A company that expects the unexpected of itself and delights in delivering the unanticipated to its customers.

Crazy dreams? They're the stuff that iMac is made of. Next week (June 20 and 21, 4 to 8 pm, Pacific time), we'll be hosting the first-ever Apple Career Open House--right here on the Cupertino campus--and we'd love to speak with you about joining our little dream machine at Apple. So dust off your resume and come tell us how you could help us make some crazy dreams come true.

<http://www.apple.com/jobs/open-house/index.html>

2. "Now There's Just No Excuse Not to Go and Make a Film."

So says Jonathan Wells, the director of RESFEST, the first international film festival to showcase digital content in a theatrical setting. Wells waxes enthusiastic because he has seen the wealth of material talented people are creating, finding "little nuggets of creativity, new animation techniques, really interesting music and digital video content--sometimes done by one person in a basement somewhere." RESFEST 2000 celebrates that creativity, a creativity made possible by a new generation of digital video production tools:

<http://www.apple.com/creative/stories/resfest/>

3. A Big Space

That's what most convention centers offer, and certainly the cavernous 40,000-square-foot area that accommodated the booths, classrooms, meeting areas, Internet cafes, and attendees of Apple's recent Worldwide Developers Conference fits the definition of a big space.

This particular big space also happens to be filled with copious amounts of concrete and steel, but that didn't stop any of the wireless warriors at the event from picking up their email or logging on to the New York Times to catch up on what the rest of the world was up to. From one end of that 40,000-square-foot space to the other, AirPort served up the Internet--continuously and without interruption--so that "a person could walk

from one end of the convention center to the other and not lose the wireless connection."

<http://www.apple.com/hotnews/articles/2000/06/airport/>

Already an AirPort fan? Then be sure to schedule a landing at our site to download AirPort 1.2.

<http://www.apple.com/airport/>

4. Now Available: Final Cut Pro 1.2.5

The newest version of Final Cut Pro is available for immediate download from our website. What new features make Final Cut Pro 1.2.5 a must-have update? Make Reference Movie--allows you to reduce rendering time and conserve disk space by minimizing file sizes and using pointers to source files YUV Processing--lets you preserve the color values of original source material Widescreen Support--means you can create a movie with a wider (16:9 format) digital canvas in mind Existing owner of Final Cut Pro can opt to receive the update to Final Cut Pro 1.2.5 on a CD for a nominal handling fee (plus appropriate tax).

For complete information or to download Final Cut Pro 1.2.5, visit:

<http://www.apple.com/finalcutpro/>

Considering the purchase of Final Cut Pro? Then you may want to take advantage of a "suite deal" currently available at the Apple Store, Apple Store for Education, and participating resellers. It offers special pricing on Final Cut Pro and Terran Interactive's media Cleaner Compression Suite (Broadcast Edition).

<http://www.apple.com/store>

5. More Products, More Places

We couldn't be happier about the growing number of hardware and software products that our friends and partners in the developer community are creating for PowerBook and Power Mac computers. Search the Macintosh Products Guide nowadays, and you'll find over 17,000 products.

Astounding. What's more, more places than ever before are selling Macintosh products. For example, if you like to walk or drive to a store, you can do your Mac shopping in a Sears, CompUSA, The WIZ, Fry's Electronics, Micro Center, Computerware, Wolf Camera, or any one of the thousands of authorized Apple resellers around the world. You can also visit a growing number of online resellers. The Apple Store, for

example, (<http://www.apple.com/store>) carries not only our own products, but a large number of hardware, software, and accessory products from third parties. To make it easier for you to find online resellers, we've recently modified our online locator--

<http://buy.apple.com>--adding a category for Internet & Catalog Resellers.

Looking just for games? One of the top Internet sources for games, Babbage's & Software Etc.'s

"gamestop!com" recently added a Mac button that takes you to its "one-stop shop for the best Mac games"--currently featuring over 150 gaming titles for Macintosh. And Amazon has recently made it even easier for its Mac customers to find books, software, hardware, and accessories by creating a Macintosh specialty shop (www.amazon.com/macintosh).

Anyone in the mood to go shopping?

6. Get a Sneak Preview of QuarkXPress 5.0

You've heard the buzz from others who use it. QuarkXPress offers a superb set of features for creating dynamic publications and managing the digital workflow. And they've probably told you that they just can't wait to crack the shrinkwrap on the new version of this publishing powerhouse: QuarkXPress 5.0. Want to see what makes them so enthusiastic? Then come to a free two-hour seminar that Apple and Quark are hosting in more than a dozen locations around the US and Canada over the next few months. But, hurry, slots are already filling up fast:

<http://www.quark.com/news/tier3/>

7. Technically Speaking...

FireWire 2.4--the latest version of this important system software component--offers a number of advantages to those using FireWire-equipped Macintosh computers. It: Improves the performance of most hard disk drives (especially when the computer is writing data to the disk) Extends battery life on the new PowerBook with built-in FireWire Adds support for the FireWire 2 Go card from Newer Technologies (which lets one connect FireWire devices to earlier models of the PowerBook G3 computer) Fixes an isolated issue that occasionally causes a system crash when some digital camcorders are disconnected while iMovie is running For

more information or to download FireWire 2.4, visit:

<http://asu.info.apple.com/swup-dates.nsf/artnum/n11719>

Have questions about FireWire? Be sure to visit our FireWire site.

It contains lots of information about this industry standard for connecting fast, multimedia peripheral devices (like digital audio and, especially, video):

<http://www.apple.com/firewire/>

8. Quick Takes

Apple's Think different campaign, created by TBWA/Chiat/Day Los Angeles, was honored with the grand award at the 2000 EFFIE Awards Show. The EFFIEs recognize the most effective national advertising campaigns.

<http://www.effie.org/2000.htm>

We received some great news the other day. As part of its Worldwide

Education Market Report, International Data Corp. (IDC), a leading market research firm, concluded that "Apple continues to be number one in sales to the U.S. and worldwide education markets," capturing 26% percent of the US and 14% of the worldwide education market:

<http://www.apple.com/pr/library/2000/june/06idc.html>

Macworld is coming to New York's Jacob Javits Center on July 19--a little more than a month from now. If you're thinking of attending--and you should!--register early and save money. An Exhibits Only pass is only \$10 until June 19:

<http://www.macworldexpo.com/registration.html>

RealNetworks has licensed Apple intellectual property for streaming digital video and audio over the Internet in QuickTime. RealServer 8

now supports delivery of QuickTime content to QuickTime players.

<http://www.apple.com/pr/library/2000/june/12realnetworks.html> Learn more of the story of the X-Men in the newest trailer, a QuickTime exclusive offering broadband users full-screen immersion in the forthcoming movie. <http://www.apple.com/trailers/fox/x-men/>

They've taken Macs into orbit before, and now SkyCorp intends to include an "Apple Macintosh G4 computer in an experimental satellite it is planning to deploy from the space shuttle during a flight next year," according to this article in SpaceViews:

<http://www.spaceviews.com/2000/06/11a.html>

QuickTime News June 23, 2000 Volume 2, Issue 10

In This Issue

1. What's on QuickTime TV?
2. Live QuickTime Events
3. It's Your Movie!
4. Tools of the Trade
5. QuickTime Moment in History
6. Trailer Park
7. QuickTime Hot Picks

1. What's on QuickTime TV?

The first place that many of us turn for breaking news is CNN. Did you know that the Atlanta TV superstation is also one of the most prolific creators of streaming QuickTime content for the web, producing and delivering a minimum of 20 to 25 hours of original video programming per day?

On the CNN website, you'll always find QuickTime movies of breaking news stories along with clips from CNN's most popular talk shows, including "Crossfire" and "Burden of Proof." And be sure to check out the highlighted Video on Demand clip in the upper-right corner of the CNN home page.

<http://www.cnn.com/>

2. Live QuickTime Events

By the time you read this, the largest music and performing arts festival in the world will be under way. From June 23 to 25, Great Britain's legendary Glastonbury Festival will delight its audiences of all ages with

music, magic, circus performances, cinema, theater, crafts, and cabaret. For the first time ever, Glastonbury invites you to a series of live webcasts, starting today. With entertainment ranging from interviews with featured artists to performances on multiple stages, this is one live webcast you won't want to miss.

For up-to-the-minute information on performances and profiles of all of the artists at Glastonbury please go here:

<http://www.playlouder.com/glastonbury/>

And for the big picture on the world's largest festival, be sure to visit the official Glastonbury website at: <http://www.glastonburyfestivals.co.uk/>

We're sure you'd prefer to attend the live webcast, but in case you can't, you can view the archived QuickTime videos at your leisure for about three weeks after the event.

For information on upcoming live QuickTime events and archived QuickTime performances on-demand, be sure to visit the Hot Picks page at:

<http://www.apple.com/quicktime/hot-picks/>

3. It's Your Movie!

If you've ever watched a movie and

thought, "I can do much better than this!", then here's your chance to put your popcorn where your mouth is. Head on over to the world's first interactive motion picture website at www.itsyourmovie.com, where you--as part of the viewing audience--actually help develop the story.

Visit now, and you'll cut your directorial teeth on an edgy thriller conceived by Simon Beaufoy, who wrote the hilarious hit film, "The Full Monty." From episode to episode, you'll make decisions for K.J., a pretty and feisty bike courier living in London. You can tell her what to do, who to trust--even who to fall in love with.

You also give your thoughts on which of the film's characters should live or die.

You decide. After all...it's your movie.

<http://www.itsyourmovie.com>

4. Tools of the Trade

Mark your calendars: Apple will hold its second annual QuickTime Live! Conference October 9-12 at the Beverly Hilton Hotel in Los Angeles. In this four-day conference, you'll get professional-level training on the development, production and delivery of QuickTime content in all its forms.

You can attend up to 48 sessions on

content development and deployment, along with nine full-day workshops covering the most popular authoring tools, deployment technologies, QuickTime VR and QuickTime Streaming, as well as a product showcase.

To register and for more detailed information, go here:
<http://www.apple.com/quicktimelive/>

An important subject worth repeating: Recently, we told you about an exciting new technology that can help your existing network architecture work more efficiently when delivering streaming media, including QuickTime. Network Appliance's NetCache technology distributes streaming content from the edges of the network, providing enhanced quality for streaming media at a far lower cost than adding more servers and increasing network bandwidth. Network Appliance is holding a series of free seminars to help you learn more about streaming media and network efficiency. Visit the Network Appliance website for more information and to find out when its seminars are coming to your part of the world.

<http://www.netapp.com/seminar/qt/>

5. QuickTime Moment in History
Anthropologists still don't know what brought groups of Caucasian European settlers to the deserts of

Star Wars Episode II being rendered with Maya on MP G4s?

Submitted by Denis Diekhoff

We've been sitting on this one for quite some time awaiting more corroboration between reports...and that time has come. Numerous sources and good friends throughout Lucasfilm and the infamous Skywalker Ranch have reported on some very interesting developments their with regard to their use of unreleased Mac OS technologies.

Apparently, rendering of "moving storyboards" and early versions of various scenes throughout Star Wars Episode II is being done with prototype multiprocessor PowerMac G4s using Alias|Wavefront's as-yet unreleased Maya rendering software. Reports conflict to varying degrees on the operating systems used; most indicate a mix of OS9 and OS X Pre-

China in the third or fourth century B.C., or why their colonies eventually disappeared. We definitely know they existed, though, because these men and women left behind irrefutable proof--their well-preserved, mummified remains.

Discovered in the 1970s and 1980s, the mummies of China's Takla Makan desert offer an intriguing glimpse into the lives of humans who lived 6,000 years ago, including evidence of surgical techniques that these Europeans may have introduced to China. The Discovery Channel brings you QuickTime movies of this important anthropological find:

<http://www.discovery.com/stories/history/desertmummies/desertmummies.html>

6. Trailer Park

In the fall of 1991, a freakish confluence of weather conditions spawned a killer storm in the North Atlantic, endangering anything unlucky enough to stand (or float) in its path. In "The Perfect Storm," George Clooney handles this maritime emergency as Billy Tyne, captain of a swordfishing boat caught in the maelstrom. "The Perfect Storm" arrives in U.S. theaters on June 30. Bring your umbrella.

http://www.apple.com/trailers/wb/perfect_storm.html

Jim Carrey returns to his signature brand of extreme slapstick comedy in

"Me, Myself, and Irene," written and directed by Peter and Bobby Farrelly--the same duo that brought you "Dumb and Dumber" and "There's Something About Mary." Carrey plays a man whose multiple personalities compete for the affections of one woman, played by Carrey's offscreen girlfriend, Renee Zellweger.
<http://www.apple.com/trailers/fox/mmi/>

7. QuickTime Hot Picks

Enjoy vicarious thrills by "riding" on the world's top roller coasters, courtesy of CNN and QuickTime. Scream from your desk while experiencing Japan's "White Cyclone," Ohio's "Magnum XL-200," Coney Island's "Cyclone," and more.
www.cnn.com/TRAVEL/DESTINATIONS/9706/roller.coasters/coasters.html

Already nostalgic for pro basketball? Go into overtime by watching scenes from some of the greatest NBA playoff games in history, featuring clips from 1953 to 1998.
http://www.nba.com/history/playoffs_moments.html

Got a great example of QuickTime to show us on the web? We'd love to hear about it.
<http://www.apple.com/quicktime/hotpicks/tellus/index.html>

DP4 builds, but some stress a purely OS X environment.

Some reports suggest that Skywalker Ranch may even hold prototype caseless PowerMacs with V'Ger "G4e" processors at up to 700MHz, but these are of less certain nature. What's most interesting from these reports is that unlike with Episode I, Lucasfilm is seriously considering moving many of the tasks that it performed on high-end Silicon Graphics (SGI) workstations to this potent new combination of Velocity Engine, OS X, and Maya....imagine one of the biggest releases of next year (if the current schedule holds) being created almost entirely on the Mac OS....



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- Programming
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Please list the five software
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- Check if you are
interested in volunteer
opportunities
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referred by a club
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GS/OS 6.0.1 (6 Disks):	\$10.00	N.A.
3.5" System Disks(All Other Systems):	\$2.00/Disk	N.A.

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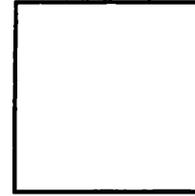
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Macintosh computers, monitors, Apple IIe's, Image writers. PC printers,

hard drives, modems, PC's for sale. Bert (612) 861-9578 or post message

on our BBS, bperson@isd.net

Ongoing Deals for Mini'app'les Members

Submitted by Tom Gates and Bert Persson

The following businesses have agreed to provide ongoing discounts to members of mini'app'les. When you contact these companies, please identify yourself as a member of mini'app'les to qualify for these discounts. For questions related to these discount offers, please contact Tom Gates - (612) 789-1713 evenings and weekends.

Power Protection Products
Surge Protection strips, Battery backups, line conditioners, etc. Contact Keith Kalenda at Business Security Products (612) 789-1190. 1/3 off APC SurgeArrest line of products 25% off APC BackUPS, SmartUPS and related products.

CartridgeCare, Inc.

Mini'app'les Annual Picnic

Submitted by Bert Persson

The time and date for the annual picnic has not yet been set, but it will most likely be held on the fourth Tuesday in August at Minnehaha Park.

However, if a majority would rather have the picnic on a weekend

CartridgeCare, Inc. of Roseville is offering Mini'app'les members an additional \$5.00 off the cost of laser printer cartridges. They handle supplies for, and do repair work on equipment from a number of manufacturers. For example: Apple, Canon, HP, IBM, Epson, Sharp, Brother, Panasonic, Okidata, Minolta, to name a few. They also provide free next-day delivery and core pickup in the metro area.

For additional information about the user group discount and other services, contact CartridgeCare at (612) 331-7757.

Macmillan Publishing/Peachpit Press
Once again we are offering a 40% discount on Peach Pit Press and MacMillan family of book companies (Hayden, Adobe Press, Que, Sams, Brady, NRP, and Alpha). Contact person for Peach Pit Press is Keary Olson,

he can be contacted at SIG meetings or on our BBS (home phone 724-0031). In order for our members to receive the 40% discount, Peach Pit Press requires that a number of books be ordered at the same time.

Therefore please allow at least 4-8 weeks when ordering books from Peach Pit Press. Minnesota sales tax and a \$ 0.50 shipping charge will be applied to each book ordered. The 40% off MacMillan book offer can be applied on individual purchases plus Minnesota sales tax and a s/h charge. Use the mini'app'les account number # 10782880 -when ordering.

MacMillan Publishing produces frequent listings of new titles that have been added to their catalog. Mini'app'les will attempt to have these available on the BBS in addition to the catalogs.

that could certainly be arranged.

This may be a better option since it may be difficult for some people to attend a weekday picnic at 6 P.M. rather than a Saturday afternoon picnic. Besides, fighting rush-hour traffic is not fun and if the result is greater attendance, so much the better.

If you have any comments or sug-

gestions about the time and date for our annual picnic, post them on our BBS, e-mail bperson@isd.net or call (612) 861-9578

It's time to get that BBQ warmed up for the summer.

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Communicate with other mini'app'les members plus get up to date information on mini'app'les events and meetings. Get assistance from other members. Download freeware and shareware.

Eligibility for frequent drawings of free equipment, software, and books.

Just a few of the many items given away free in the past include: Connectix QuickCam, Microsoft Encarta, Alps Printer, Books from Peachpit Press, MacMillan, RamDoubler, SpeedDoubler, Lind PowerBook battery Conditioners, Rechargers, Microsoft Art Gallery, T-shirts and software including Apple OS 9.0

Discounts on book orders

40% off Peachpit Press, 40% off MacMillan family of book companies (Hayden, Adobe Press, Que, Sams, Brady, NRP, and Alpha)

Periodic special User Group discount offers on equipment and software.

In the past year, Apple, Hayes, Brøderbund, and APC Power Protection (Business Security Products), among others, have offered mini'app'les members significant discounts.

Plus, you're supporting all of mini'app'les' special interest group (SIG) meetings that you can attend each month.

***It's easy to recoup your cost of membership
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