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Volume 22, Issue 11



mini'app'les newsletter

the minnesota apple computer users' group, inc.

NOVEMBER 1999						
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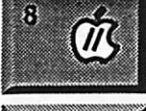
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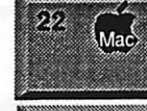
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Meet Your iMac / Mac SIG
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mini'app'les

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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 612-595-9404.

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.

Editor/Publisher: Tom Ostertag 651-488-9979

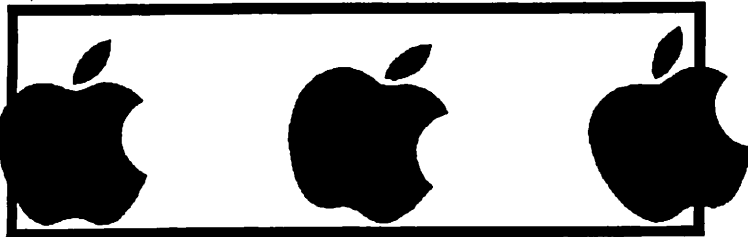
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Moving? Going to be away from home and leaving a forwarding address with the Post Office? Please send us a Change of Address when you are informing others. By using a moment of your time and a few cents to drop us a card, you save the club some money 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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December 1999 Preview

Here is the tentative calendar of our Special Interest Group (SIG) meetings for December 1999. 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	December 1	AppleWorks nee ClarisWorks SIG
Thursday	December 2	Telecom SIG
Monday	December 6	Board of Directors meeting
Wednesday	December 8	Microsoft Word SIG
Thursday	December 9	MacintoshMain SIG
Monday	December 13	Apple II/GS Main SIG
Tuesday	December 14	Apple II Novice SIG
Wednesday	December 15	PhotoShop / Digital Imaging SIG
Thursday	December 16	Quicken/Investing SIG
Thursday	December 16	Macintosh Consultants
Monday	December 20	Fourth Dimension SIG
Wednesday	December 22	ResEdit / Programming SIG
Thursday	December 23	FileMaker Pro SIG
Monday	December 27	Meet Your iMac / Mac SIG, 6:00pm
Monday	December 27	Macintosh Novice SIG, 7:00pm

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
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
Quicken	2, 6
QuickBooks and QuickBooks Pro	6
Mac OS 7	8
Mac OS 8	12
WordPerfect	4
Cross-Platform File Transfer	5
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

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 612-938-2818, 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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Phone inquiries to: John Pruski, 612-938-2818

XLR8 Announces 500 MHz G3, Reduced Prices On Upgrades

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<<http://www.insanely-great.com/news/99/9/28-xlr8.html>>
By IGM Staff - <<mailto:staff@insanely-great.com>>

Tuesday, XLR8 announced their 500 MHz G3 upgrade in addition to price cuts of up to 20-percent on its G3 upgrade line.

The 500 MHz MACH is a ZIF G3 upgrade installs via the Mac's ZIF (zero insertion force) socket. This upgrade is compatible with all Power Macintosh G3 configurations. The upgrade includes XLR8's Auto Caching Technology and PowerPack software.

In addition to the ZIF upgrade, XLR8 announced that the upgrade will also be available to older Macs via the company's CarrierZIF adapter.

The 500 MHz MACH Carrier G3 is

designed for "pre-G3 systems" such as the Power Mac 7x00/8x00/9x00 systems.

The 500 MHz G3 upgrades are expected to ship from XLR8 on October 15, 1999. The ZIF upgrade will have a MSRP of \$899 and the CarrierZIF is expected to be available for \$999.

The company also announced Tuesday price cuts on its entire line of G3 upgrades. For full list of machine compatibility and additional info, visit XLR8's web site.

300 MHz MACH Speed G3 \$359
333 MHz MACH Speed G3 \$399
366 MHz MACH Speed G3 \$489
400 MHz MACH Speed G3 \$599

300 MHz MACH Carrier G3 \$399
333 MHz MACH Carrier G3 \$429
366 MHz MACH Carrier G3 \$529
400 MHz MACH Carrier G3 \$629

450 MHz MACH Carrier G3 \$749
500 MHz MACH Carrier G3 \$999

300 MHz MACH Speed G3z \$299
333 MHz MACH Speed G3z \$349
366 MHz MACH Speed G3z \$449
400 MHz MACH Speed G3z \$559
450 MHz MACH Speed G3z \$599
466 MHz MACH Speed G3z \$599
500 MHz MACH Speed G3z \$899

<<http://www.xlr8.com/>>

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Don't Interrupt! A UPS Saves the Day

by Adam C. Engst <ace@tidbits.com>

We've all ponied up hundreds of dollars for utility programs that promise to twiddle the bits on our hard disks or prevent crashes or make us more productive. What would you say if I told you there is a product you can buy for between \$100 and \$300 that is guaranteed to increase your productivity, prevent crashes and hard disk corruption, and extend the life of your Macintosh and peripherals? Then what would you say if I told you that this product is compatible with every Macintosh and every version of the Mac OS, not to mention any PCs you might happen to have around?

Such a product exists, and although it's not sexy, it will do all the things promised above. I'm talking about an uninterruptible power supply, better known as a UPS (not the folks with the trademark brown trucks). A UPS increases your productivity by enabling you to work safely on those blustery days when the power flickers at every gust of wind. There have been days when I wouldn't have dared to turn on expensive computer

equipment without a UPS. The hours gained during those days add up fast when you're calculating productivity increases, especially when stormy days occur near deadlines. In terms of preventing crashes and hard disk corruption, anything that eliminates large sags or surges beyond the tolerances of your computer's power supply (not to mention total power failures) can keep your computer running smoothly. I bought our first UPS back in 1992 after losing my main 105 MB hard disk to a power flutter caused by a drunk driver hitting an electric pole. Luckily, I had decent backups, but I still had to replace the hard disk.

<<http://db.tidbits.com/getbits.acgi?tbart=02994>>

<<http://db.tidbits.com/getbits.acgi?tbser=1041>>

Sags and surges that don't exceed power supply tolerances also take a toll on the computer's components. We talk a lot about continuing to use old Macs; one reason they're still running is that we protect them with a UPS.

****What Goes UPS...**** The theory behind a UPS is simple: plug your computer and peripherals into a large

battery and then plug that battery into the wall. As long as the power from the wall is present, the battery does nothing. But as soon as the wall power disappears, whether for a fraction of a second or 10 minutes, the battery starts providing your equipment with clean power. You may be thinking, "Ah, my PowerBook has a battery, so it already has a mini-UPS in it." Yes and no. Any laptop with a battery will work fine when the power goes out, but PowerBooks have no circuitry to filter dirty power or protect from sags or surges. We recently moved Tonya's Power Mac 7600 and its UPS to another part of the house, leaving the PowerBook Duo 230 without a UPS. Now, whenever the power flickers badly, the Duo freezes, even though it continues to run fine if you just unplug it from the wall. Older PowerBooks may work better in similar situations - according to a repair technician at Westwind Computing, the PowerBook 100-series machines ran entirely from battery power and trickle-charged the battery when plugged in. Newer PowerBooks, though, run from wall power when plugged in, switching to battery power only when you unplug them.

Another advantage of a PowerBook is that a surge is more likely to damage the AC adapter before hurting the PowerBook itself.

The technology inside a UPS is quite sophisticated. A UPS must be able to switch from wall power to battery power quickly - between two and eight milliseconds - so the computer doesn't notice the changeover. (High-end UPS models run from battery all the time, eliminating even this changeover time.) Almost every UPS builds in surge suppression and line noise filters to ensure that the power reaching your equipment is clean. Some UPS models also have options for protecting your modem and motherboard from lightning strikes that hit local telephone lines. Such telephone line protection reportedly does work for ISDN and DSL connections, but not all UPS models support two-line (four-wire) telephone cables. ****UPS and Downs**** — We tend not to think much about electric power except when it stops working, but it is more variable than most people realize. You can categorize different types of power issues in at least five ways. <http://www.apcc.com/power/power_even_t.cfm>

<<http://www.tripplite.com/power/>>

*** Noise:** Electrical power ideally takes the form of a smooth sine wave, but noise, either electromagnetic interference or radio frequency interference, introduces random fluctuations into that smooth sine wave. Many things can cause electrical noise, including lightning in the area, fluorescent lights, or other devices on the same circuit. The effect of noise on computers is difficult to predict since noise itself is so random, but rest assured that if anything happens, it won't be good.

*** Sags:** A sag is a short-term drop in voltage levels from the 120 volts or 230 volts that your equipment is accustomed to receiving. American Power Conversion (APC), one of the main UPS vendors, quotes a Bell Labs study as saying that voltage sags account for 87 percent of power disturbances. Sags are most often caused by an electrical device like a motor or compressor starting up (which is why a refrigerator turning on can cause lights to dim momentarily). Most electrical devices can work within a range of voltages, but if a sag causes the voltage level to drop below that

range, the device may turn off, slow down, or in the case of a computer, crash. And if that crash happens while data is being written, hard disk corruption can result. Frequent sags can reduce the lifespan of electrical equipment.

*** Surges:** A surge is a short term increase in voltage, lasting at least 1/120th of a second. Surges can occur when electrical devices that take a lot of power are switched off or even when the power company switches between power sources on the grid. As with sags, computer and peripheral power supplies can absorb up to a certain voltage level, but if a surge goes beyond that, it can cause significant damage to equipment and to data. Even if the power supply hardware manages to absorb a smaller surge, hitting it with repeated surges can reduce its lifespan. *** Spikes:** A spike is a massive surge. Spikes are almost entirely the result of lightning strikes, although they can also occur when the power comes back on after a power outage. Needless to say, anything that's plugged in when a spike occurs can be damaged. In one situation a few years ago where the power went out and came back on after storm-felled tree limbs hit the electric lines, we lost a modem, a PowerSwitch LT (see "PowerSwitch LT: Controlling Power Via LocalTalk" in TidBITS-225.) that turned the printer on automatically when we printed, a bread maker, and more. <<http://db.tidbits.com/getbits.cgi?tbart=03950>>

*** Blackouts:** Everyone has experienced a power failure: suddenly all the lights go out and everything goes quiet, except for the screams of irritation from computer users who just lost all their unsaved work. If you're using a UPS, you instead hear the UPS beeping to warn you that it's running on battery power and has a limited amount of time left. You know better than to shut your Mac off without shutting down: the same sort of data loss and disk corruption that can happen if you pull the plug from the wall is what results from a blackout if you don't use a UPS. ****Pick-UPS Sticks**** — Choosing the right UPS model for your needs can be tricky. The hardest part is determining the electrical load your computer system will place on the UPS when the power fails. There are two methods you can use to deter-

mine load. The easy way is to use something like the APC UPS Selector, which recommends UPS models based on the equipment you have. <<http://www.apcc.com/template/size/workstation/single/index.cfm>>

Alternatively, look on the back or bottom of each of your devices for power draw ratings in either amps or watts. If power draw is listed in amps, multiply it by your line voltage (120 volts for North America, 230 volts for Europe, etc.) to find the volt-amp (VA) load. If the power draw is instead listed in watts, multiply by 1.4 to find volt-amps. The problem with this manual calculation is that manufacturers tend to be conservative and publish the maximum power draw possible, which would in turn cause you to buy a larger UPS than necessary.

If you're considering buying powerful UPS models to run multiple computers, note that it can be more cost effective to buy several lower-rated UPS models and attach fewer devices to each UPS. If nothing else, every UPS has a limited number of power outlets, and the AC adapters used by some peripherals tend to block multiple outlets. You can buy an inexpensive power strip to add more outlets, but the UPS manufacturers don't recommend plugging a surge suppressor into a UPS. It is acceptable to plug a UPS into a surge suppressor if you have extremely dirty power and wish to filter some of the worst surges and spikes before letting them through to your more-expensive UPS.

Some UPS models also provide one or more outlets that have surge protection, but aren't backed by the battery. That's so you can attach equipment like a laser printer to a UPS, something that's otherwise prohibited. A laser printer in use draws enough power to overload the UPS just when you need it the most. Plus, laser printers can cause power fluctuations, so you don't want them on the same side of the surge suppression as the rest of your equipment.

UPS batteries last about five years, after which they must be replaced. Battery replacement should be relatively easy in modern UPS models, but it may be difficult or impossible in older models, as was the case with my first UPS, which is now just a heavy power strip. Many of the sites I researched recently when buying bat-

teries for my cell phone and camcorder also sell UPS batteries (see "Finding the Power Online: Buying Batteries" in TidBITS-494_).
<<http://db.tidbits.com/getbits.acgi?tbart=05520>>

<http://dir.yahoo.com/Business_and_Economy/Companies/Consumer_Electronics/Shopping_and_Services/Accessories_and_Supplies/Batteries/>

Finally, you might wonder what happens when the power fails when you're not around to turn off your equipment. As soon as the UPS can no longer provide the necessary power to your equipment, it shuts off, and you lose all unsaved work. That's not good, but at least the UPS continues to filter power and won't turn on again until it can provide sufficient power. Modern Macs won't turn on automatically after a power failure unless you set them to do so with the Energy Saver control panel's Server Settings preferences. In some older Macs, use the Auto Power On/Off control panel instead, and in some still older soft-power Macs, you could lock the power button on by pushing in and turning it with a screwdriver.

There is software that notices power has failed and gracefully shuts the Mac down. APC includes free PowerChute software that can shut down a single Mac. Best Power's NetWatch Basic software costs \$99, and Powerware has LanSafe III, which is free with several UPS models and can gracefully shut down a Mac, monitor voltage, and send notification of problems via email. There may be other packages, but most power monitoring software has been developed for Windows and Unix, with Macintosh versions being uncommon.

<<http://db.tidbits.com/getbits.acgi?tlkmsg=4219>>

However, Tripp Lite has just announced Macintosh software that promises to allow users to view operating conditions, load, capacity, and other UPS information within a graphical interface. Macintosh users will also reportedly be able to set a shutdown delay to work through short power failures, perform a test of

Army Web Servers

By Sgt. 1st Class Connie E. Dickey
Submitted By John C. Hunkins, Sr.

the UPS, reboot the UPS, and toggle outlets from the Mac. The software is free with all of Tripp Lite's UPS models. Future enhancements for the software include native USB support (they currently convert from serial to USB) and network management so you can manage multiple UPS devices on your network.

<<http://www.tripplite.com/press/9908007.html>>

Finally, there's the question of which brand of UPS to buy. APC seems to be the most popular manufacturer, to judge from anecdotal evidence, with Tripp Lite also being well-known. Other UPS brands I've seen include Best Power and Powerware (formerly known as Exide), and Yahoo lists even more. Prices are generally comparable across brands, with most smaller UPS models between \$100 and \$300. When you're ordering a UPS, keep in mind that they're heavy, so shipping costs can add up fast.

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

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

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

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

<http://dir.yahoo.com/Business_and_Economy/Companies/Computers/Hardware/Components/Power_Supplies/Surge_and_Transient_Protection/> I realize this is a great deal of information to internalize, so here's a quick summary of the questions to ask while researching:

- * Is the UPS powerful enough to run your equipment?
- * Do you need phone line protection as well?
- * Do you need outlets that have only surge protection?
- * Can you easily replace the batteries?
- * Does the UPS include software, is it useful, and does it cost extra?
- * Do you have a preference among UPS manufacturers?

****Setting It UPS**** — When you receive your UPS, it's a good idea to plug it in and let it charge before attaching your equipment (my APC Back-UPS 600 recommended a 6 hour charge). Even though the UPS may ship fully charged from the factory, there's no telling how long it has sat

This is from:

<http://www.dtic.mil/armylink/news/Sep1999/a19990901hacker.html>

in a warehouse. If you want, you can use the power switch on the UPS to turn your entire system on and off; the surge suppression capabilities of the UPS are active even if the switch is off.

If you don't need to use your computer during violent localized thunderstorms or times when you know the power will fluctuate, it never hurts to unplug the UPS - and thus all of your equipment from the wall. We also do that when we travel for extended periods, since you never know what might happen while you're away. All of the UPS manufacturers insure your equipment against power-related damage, but who needs the hassle of replacing an entire system and restoring files from backup?

My UPS beeps to indicate a power problem about once every two weeks. Sometimes I see the lights dim briefly at the same time; other times the UPS's warning is the only indication that something has happened. Once every few months, we lose power entirely, at which point I save open documents and shut off my power-hungry monitors. If the power doesn't return after a few minutes, I perform a blind shutdown by pressing the Power key and then Return. In times like those, I remember just why it is that I've made sure that every desktop Mac we own has a UPS. Keep the power flowing - use a UPS. [I'd like to thank Marc Sarrel <msarrel@pacificnet.net> for starting the discussion on TidBITS Talk that finally prompted me to write about this important topic and for contributing the results of his research.]

<<http://db.tidbits.com/getbits.acgi?tlk-thrd=754>>

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WASHINGTON (Army News Service, Sept. 1, 1999) - Working from information provided by the US Army's Criminal Investigation

Command, FBI agents arrested a 19-year-old Wisconsin man Aug. 30 for malicious altering of a US Army Web page. The agents identified the Green Bay man as the co-founder of a hacker organization known as "Global Hell." The arrest capped a two-month investigation led by Army CID agents, after an unidentified intruder gained illegal access to the Army Home Page June 28 and modified its contents. The intruder also gained access to an unclassified Army network and removed and modified computer files to prevent detection. Since the case is still ongoing, Christopher Unger, web site administrator for the Army Home Page, didn't want to talk about specifics of what the hacker did to the

web page or what the Army is doing to protect its sites from future hackers. However, he said the Army has moved its web sites to a more secure platform. The Army had been using Windows NT and is currently using Mac OS servers running WebSTAR web server software for its home page web site. Unger said the reason for choosing this particular server and software is that according to the World Wide Web Consortium, it is more secure than its counterparts. According to the Consortium's published reports on its findings, Macintosh does not have a command shell, and because it does not allow remote logins, it is more secure than other platforms. The report also said

the Consortium has found no specific security problems in either the software or the server.

The Consortium is a worldwide group of representatives from more than 350 organizations that provide the infrastructure for a global interoperable World Wide Web. Membership is open to any organization. "Government networks are inviting to hackers because of their high profile," Unger said. However, the Department of Defense is laying the groundwork now for more secure Internet sites that will prevent unauthorized access to information, he said.

(Editor's note: Some information was provided by the US Army Criminal Investigation Command.)

Apple Seminar Announcement:

Collaborative Workflow Solutions For Publishing and Communication

From Rick L. Hammond
<hammond@apple.com>
Submitted by Thomas G. Ostertag

You are invited to attend the Collaborative Workflow Solutions for Publishing and Communication seminar hosted by Apple, Asante, Avatar, Canto, WebObjects, and Xinet. This seminar is designed for publishing professionals to learn about new solutions that facilitate collaboration, increase productivity, achieve a faster time-to-market, safeguard valuable digital assets, and streamline the workflow.

This free seminar features innovative technologies that build on the power of the Internet and networking to deliver unprecedented ways of communicating and controlling virtually every aspect of the workflow. These solutions are based on the latest mach kernel-based server technology from Apple, Mac OS X Server. This remarkable server offers a powerful set of tools for delivering web and media

content. It also provides a solid foundation for a wealth of additional services, such as collaboration, content creation, media asset management, and prepress output.

For more information and to register visit

www.seminars.apple.com/series/cws
or call 800-895-4853 and ask to register for the "Collaborative Workflow Solutions" seminar.

Locations and Dates

Times for all locations are 9:30 a.m. - 4:00 p.m.*

Chicago, IL

Nov. 4

Minneapolis, MN

Nov. 3

Associate Sponsors

Marathon Computer, MicroNet, Omni Group, and Tektronix Who Should Attend Corporate communicators, ad agencies, prepress professionals, printers, and web publishers

*Dates, times, locations, speakers, and content may change without notice; check web site for most cur-

rent information. Apple accepts no responsibility in connection with such changes.

Every seminar held at an Apple Computer facility is fully accessible to and appropriate for individuals with disabilities.

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Apple eNews October 21, 1999 Volume 2 Issue 24

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1. Put Your Passwords on a Keychain Now, what is that password for the New York Times reader forums? Is it the same as the password you chose for that online fly fishing magazine? Or did you use your AOL password? And how are you going to be able to

transfer those funds if you can't remember the password you set for your new web-based bank account? Have you had this problem? You won't ever again if you upgrade your system to Mac OS 9. That's because Mac OS 9 has a great new Keychain feature, one you can use to store all your user IDs and passwords. Set them once, and then each time

you start your Macintosh, you can use your voice—or one typed password—to unlock them all. In fact, compatible applications will even enter them automatically for you. To read more about the Keychain—and other features we've added to this newest (and best ever) version of the Mac OS—visit:

<http://www.apple.com/macos/feature6.html>

2. Got a Few Minutes this Weekend? Then be sure to visit your favorite Apple dealer. Because this weekend, October 23 and 24, Apple is celebrating the arrival of the newest version of the Macintosh operating system: Mac OS 9. We'll have Mac OS 9 gurus out all over the US: answering your questions, demonstrating some of the exciting new features in Mac OS 9—like Sherlock 2, for example—and explaining how easy it is to install, use, and become immediately more productive with Mac OS 9, your Internet co-pilot. You'll find more information about our Demo Days at:

<http://www.apple.com/hotnews/features/demodays/1099/>

3. iMac DV Hits Three Home Runs "The best, most reasonably priced Macs ever"—that's how Bob LeVitus, the respected columnist and author, described our new iMac DV models in a recent article in the Houston Chronicle. According to LeVitus, iMac DV scores big time with those using the affordable computer at home, offering, in one system, "an awesome personal computer, video workstation and home theater." In fact, the author maintains that with the release of iMac DV, "Apple has brought the cost of creating and editing video on a personal computer down to a level almost anyone can afford." Why does LeVitus feel so strongly about iMac DV? Read his article for more of this Mac columnist's insights:

<http://www.chron.com/cs/CDA/story.htm?tech/357939?R879260253>
(free subscription required)

4. Share Your Work with 17 Million People
If you create digital content and like to share your work with others, we

know a few people who would really enjoy partaking of your creative vision—the over 17 million people (give or take a few) who use QuickTime 4 on Macintosh and Windows computers.

In fact, we have a seminar coming up that will let you see how easy it is not only to create QuickTime digital content but also to deliver it to millions of people—via e-mail, on CD, and over the Internet.

It's called QuickTime Live! It will be held in Los Angeles, California, from November 8-11. And we'd really like you to attend.

For complete pricing and registration information, visit

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

5. Technically Speaking ...

You're up on the web, tooling around on your new iMac DV, and you stumble across a file with a ".gz," ".hqx," ".smi," or ".tar" suffix.

"Exactly what kind of file is that?" you hear yourself asking.

We can tell you. We have answers to a lot of your technical questions in our Technical Information Library. For example, the article, "Internet: Common File Formats," lists over three dozen file suffixes you're likely to encounter on the Internet, explains what they are, and tells you how you can open or use them. Find the article at:

<http://til.info.apple.com/techinfo.nsf/artnum/n24464>

6. A Port by Every Pillow

At Western Carolina University in Cullowhee, North Carolina, Ethernet connections in every room and a healthy supply of Macintosh computers get students up both on the web and their studies.

"Students need to know how to make web pages, turn in assignments over the web, and do research on the web. All that's going on now at Western." So advises Josh Wisenbaker, a newly graduated European History major at Western Carolina University, the first public university in North Carolina to require incoming freshmen to own a personal computer.

<http://www.apple.com/education/hed/mac/csinaction/wcu/>

7. This Guy Likes to Talk
Shawn King hosts the Mac Show, a radio show about all things Macintosh that originates from Vancouver, British Columbia. But while the Mac Show has hundreds of enthusiastic listeners, it isn't "broadcast" over the radio. In fact, there's no radio station at all. At least not a traditional one. No, Shawn King, a Macintosh consultant and president of his local Macintosh user group, "broadcasts" the Mac Show via QuickTime streaming. But as King's expertise is in the Mac, not in radio broadcasting, he naturally used the tools he knew to achieve the end he desired. "With QuickTime streaming," he says, "we can literally do the show from an iBook—just set up anywhere we like and start broadcasting."

<http://www.apple.com/usergroups/spotlight/macshow/>

8. Quick Takes

File management woes weighing you down?

Have we got an Apple seminar for you. At the "Fast and Easy File Management Seminar," you'll learn how you can use CDXC, the revolutionary digital conversion and exchange system, to move files over the web easily and securely. For more:

<http://www.seminars.apple.com/series/digitalassets/>

It's all there. The video of Melissa Etheridge's new single, "Angels Would Fall." A dazzling peak at Halo, a hotly anticipated game from Bungie. An exclusive Rolling Stone interview of teen sensation Christina Aguilera. All that—and more dazzling multimedia content—is available on our QuickTime showcase page:

<http://www.apple.com/quicktime/showcase/>

Have you caught the trailer for Sleepy Hollow yet? Creepy:

http://www.apple.com/quicktime/trailers/paramount/sleepy_hollow/

Coming in November. Apple will be attending the 13th annual

Technology and Learning Conference in Dallas, Texas (November 10-13), and demonstrating the innovative technologies, products, and services we bring to K-12 teachers, technology coordinators, and students.

<http://www.apple.com/education/k12/events/t/>

We'll publish Apple eNews next on Thursday, November 4, 1999. Apple eNews is a periodic news com-

eMacsoftware.com

From: David M. Peck
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<<http://www.insanely-great.com/news/99/9/24-eMac.html>>

Popularity of Mac software spawns Mac-only supplier
by Rob Durnford -
<<mailto:staff@insanely-great.com>>
Wednesday, eMacsoftware.com announced the launch of their Web

New Kodak cameras take on iMac style

From: David M. Peck
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<<http://www.insanely-great.com/news/99/9/29-kodak.html>>

by Benjamin Jonas-Keeling, Insanely Great Mac
September 29, 1999
Eastman Kodak has just announced it's got iMac fever. The company's newest entry into the digital camera arena comes in five familiar colors: blueberry, grape, strawberry, tangerine and lime. The camera, dubbed the DC240i, is essentially the same cam-

QuickTime News October 22, 1999

In This Issue

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2. Our Team Takes the Field
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4. Visit the Copan Museum in Honduras
5. Michael Knows QuickTime
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7. QuickTime QuickTakes

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site designed exclusively for Macintosh users. This commercial site utilizes new technologies to provide dedicated service to the Macintosh users. The features include immediate download and purchase of their software selections. eMacsoftware perks up their site with news, customer product reviews and product update information. eMacsoftware carries a substantial list of Macintosh software companies products from Activision, Aladdin

era as the DC240, just in different clothing. Early this summer we saw Epson pull the same maneuver by coming out with tasty flavors of its Stylus 740 printer and tacking an "i" on the end. Like the DC240, the DC240i offers 1.3 megapixel resolution, auto-focus, built-in flash, and a 6x zoom. "People like color—in their pictures and in their cameras," said Phillip Gerskovich, chief operating officer and vice president, Digital & Applied Imaging. "These colors will encourage more people to carry cameras. When they do, they'll take pictures, and that's what we want." The camera is priced at \$699, and comes ready to work with the Mac right out

1. QuickTime Live: Share Your Work with 18 Million People If you create digital content and like to share your work with others, we know a few people who would really enjoy partaking of your creative vision—the over 18 million people (give or take a few) who use QuickTime 4 on Macintosh and Windows computers. In fact, we have a conference coming up in just a few weeks that will let you see how easy it is not only to create

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Systems, Alien Skin, Bare Bones, Extensis, Bing Software, FWB Software, Netopia, PowerOn Software and Softpress.

eMacsoftware.com

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of the box, complete with both serial and USB cables.

<<http://www.kodak.com/US/en/digital/cameras/dc240/dc240iIndex.shtml>>

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QuickTime digital content but also to deliver it to millions of people—via e-mail, on CD, and over the Internet. It's called QuickTime Live! It will be held in Los Angeles, California, from November 8-11. And we'd really like you to attend. For complete registration information, visit:

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

2. Our Team Takes the Field

Wouldn't it be great if you could sit down and talk to the people responsible for developing the software you use? Tell them what you like and don't like? What you'd like to have included in future versions? And wouldn't you like to have your toughest questions--the questions you couldn't find answers to anywhere--addressed by the absolute final authorities on the subject? Now you can. At our QuickTime Live! conference, we're bringing the QuickTime Engineering Team to you, giving you the opportunity to meet them, share your views about QuickTime 4, ask your most technical QuickTime questions, and get their answers and assistance. That's the agenda for our "Developer Feedback Panel," just one of the nine sessions that comprise the Develop track at QuickTime Live! Altogether, there are nearly thirty sessions to choose from: Sessions designed for digital media producers and sessions for those of you who want to evaluate streaming business models. And at every one of our sessions, you'll get to meet either a member of the QuickTime team at Apple or a recognized authority on QuickTime from the digital publishing industry, people like:

<http://www.apple.com/quicktimelive/html/speakers.html>

For a complete rundown of our conference sessions:

<http://www.apple.com/quicktimelive/html/sessions.html>

3. Transforming Teaching and Learning

Like to hear how QuickTime 4 is helping universities create and distribute (anytime, anyplace) media-rich educational materials on a wide variety of topics? Then we invite you to tune in to a live QuickTime TV broadcast from the EDUCAUSE 99 conference in Long Beach, California. On Wednesday, October 27, 1:30 to 2:15 pm (Eastern time),* Frank Casanova, Director, Worldwide QuickTime Product Marketing, will explain how colleges and universities across the US are taking advantage of QuickTime 4 technology to transform teaching and learning.

For details, please visit:

<http://ali.info.apple.com/events/edu-cause/>

*Broadcast times in other locations: 10:30 am (Pacific time), 6:30 pm (London), 2:30 am Thursday (Tokyo).

4. Visit the Copan Museum in Honduras

The Mayan culture has fascinated countless numbers of people around the world, and the Copan Museum in Honduras has an excellent collection of art, artifacts, and antiquities from that pre-Columbian civilization. But even if you can't visit Honduras anytime soon, you can take a virtual tour of the museum, which makes extensive use of QuickTime VR:

<http://maya-archaeology.org/html/copanImageMenu.html>

5. Michael Knows QuickTime

Meet Michael Shaff. He's the president of Small Hands.com, an interactive design and development shop in La Honda, California. An internationally recognized interactive content developer and expert LiveStage user, Michael has created many interactive projects for major corporate customers and has extensive knowledge of all the popular interactive development tools, such as Totally Hip LiveStage and Macromedia Flash. And we're very pleased that Michael will be teaching one of the full-day QuickTime Live! workshops early next month. It's the "LiveStage Professional Workshop: Access the Interactive Capabilities of QuickTime 4." For more information about this and other workshops offered as part of our first QuickTime Live! conference, visit:

<http://www.apple.com/quicktimelive/html/workshop.html>

6. Technically Speaking ...

You encounter all sorts of files while you're surfing the web, and the QuickTime Plug-in is designed to allow your browser to handle them seamlessly. But maybe you've acquired an application that comes

with its own plug-in that you'd like to use with, let's say, the .tif files you find on the web. How can you tell QuickTime to use that plug-in instead? When a customer contacts our support organization to ask such a question, we generally answer it by writing an article that we post in our Technical Information Library. As a result, everyone can find the answer easily. That's true for hardware and software products alike, including QuickTime 4. So how do you customize QuickTime 4 plug-in assignments?

<http://til.info.apple.com/techinfo.nsf/artisan/n36508>

7. QuickTime QuickTakes

Have you seen the new "Eyes Wide Shut" commercial Lexus has begun to run? It features music from Chris Isaak (the same music used in the film). It's a hoot. Catch it, in QuickTime, of course, on:

<http://www.adcritic.com/latest/>

Take a tour of Princeton University using QuickTime VR:

<http://www.princeton.edu/place/oktour/map.html>

Fan of skateboarding? Then you'll want to see the digital footage shot at the United Skateboarding Association Blowout and preserved in QuickTime 4:

<http://www.studioNEXT.com/features/SkateFinal/index.html>

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<http://www.apple.com/quicktime/download/>

Event dates are subject to change. Some products, programs, or promotions are not available outside the U.S. Visit your local Apple site or call your local authorized Apple reseller for more information. Prices are estimated retail prices and are listed in U.S. dollars. Product specifications are subject to change.

Compu b wants to put an Apple store on every main street

by Dennis Sellers,
dsellers@maccentral.com
Submitted by Bryan Lienke

Compu b — Ireland's fastest growing Apple dealership — has developed a "worldwide franchise operation" designed to put "a Compu b Apple store in every high street." The first owner managed franchise operation in the UK opens later this year and Compu b is shooting for 100 stores in the UK and 10 in Ireland within two years, according to Denis O'Connell, managing director.

Established in 1992, Compu b owns three retail units (in Dublin, Cork and Belfast) with a head office in Limerick. There are also offices in London and New York in preparation for the franchise expansion. Compu b offers Apple sales, training, and service.

"The concept of a franchise operation for Apple products has never been tried before, and we may do for Apple what McDonald's did for the Burger," says O'Connell.

According to their promotional materials, Compu b have assembled a franchise package that includes a uniform store outlook, standardized product range, staff training and mar-

iMac success fuels growth of South Wales plant

by Dennis Sellers,
dsellers@maccentral.com
Submitted by Bryan Lienke

The iMac's success appears to be helping companies other than just Apple, according to a story on the front page of the Sept. 22 "Western Mail," the largest daily newspaper in Wales (UK).

"The phenomenal popularity of Apple Macintosh's new multicolored

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keting assistance. The stores will be equipped with POP displays, a uniform interior décor, standardized displays, and over a 1,000 Apple and third party products.

Compu b says it will offer support for existing site takeovers of its premises in the UK, Ireland and the US and for new site locations. A catalogue has already been circulated to over 100,000 consumers in the U.K and Ireland. O'Connell says this distribution will be increased to meet the demands of Compu b's business expansion plan with radio, press and Web advertising planned to support new franchisees.

He adds that the franchise operation has been worked out in co-operation with Apple UK and Ireland and is expected to appeal to stand alone premises and larger department stores looking to rent out floor space. Current Compu b stores attracts both domestic users and business consumers with domestic users accounting for about 40% of the current customer base.

"Take up of the Compu b franchise operation has been extraordinary with three stores in Ireland signed up," says O'Connell. "We are negotiating for several others sites in the UK and are receiving new

iMac personal computer is driving forward a major expansion of Korean company LG Electronic's South Wales Plant," says the "stern Mail." "Growth is at such a rate that it is placing major orders with two South Wales injection molding firms to keep pace with demands for products made at its Newport facility."

Orders were placed with LG Electronics to manufacture the best-selling consumer machine at the Newport plant earlier this year. Total iMac shipments should exceed

nies. Mention of third-party products is for informational purposes only and constitutes neither a recommendation nor an endorsement.

inquiries every day."

The franchises are available worldwide. To start a Compu b store, the company is looking for "hard working, determined individuals with business experience," he adds. An interest in the IT industry would be advantageous, he adds. In addition, you need at least 35% of the total investment cost in liquid assets. Franchise agreements are for seven years with the right to renew the contract for another seven year term upon payment of franchise fees of 66% of the first term fee.

Each country will have a master franchisee and each franchise will be an owner managed operation. A full franchise information pack is available from the company's Web site at <http://www.compub.com>.

250,000 units before the end of 1999, meaning that the 195 LG employees deployed on the iMac is expected to rise to more than 600 before the end of the year, according to the "Western Mail." (Thanks to Darren English for sending this one our way.)



mini'app'les Handy Form

New & Renewing Members-
Specify your level of support:

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- Corporate \$100

* must be a full-time student
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Name: _____
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 Member ID# (if applicable): _____ address change.

Please list the five software
packages you use most often:

Which personal computer(s) do you use?

- Power Macintosh model(s) _____
- Macintosh model(s) _____
- Apple II model(s) _____
- Other _____

What peripherals or
attachments do you use?

- Printer
- Laser Printer
- Modem
- Scanner
- Digital Camera
- Drawing Tablet
- Voice Mail
- MIDI
- CD-ROM
- Other _____

What are your areas of
special interest?

- Business Applications
- Household Applications
- Educational Applications
- Desktop Publishing
- Programming
- Networking
- Games
- Other _____

- Check if you want your
name withheld from
commercial and other
non-club mailing lists
- Check if you are
interested in volunteer
opportunities
- Check if you were
referred by a club
member. Please give
their name.

Yes.

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membership or a
renewal, please
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to fill out this
questionnaire

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GS/OS 6.0.1 (6 Disks):	\$10.00	N.A.
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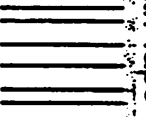
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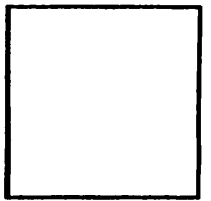


Attention:
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 Software Director

Mini'app'les
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Hopkins, MN 55343-0796



2nd fold



1st fold

Dear mini'app'les
Please direct this to the:
 Membership Director
 Software Director

Media 100 technology used in 'Blair Witch Project'

Staff Report, email@maccentral.com
Submitted by Bryan Lienke

The folks behind "The Blair Witch Project," the made-for-practically-nothing summer blockbuster, used Media 100 xr extensively in the production of the film. The BW team also used Media Cleaner Pro from Terran Interactive, a wholly owned subsidiary of Media 100. Media Cleaner Pro was used to optimize and compress the movie trailer and other film clips into high quality streaming video format for delivery on the Blair Witch Web site.

"The Blair Witch" production team used Media 100 xr and Media Cleaner Pro to edit, digitize and optimize footage for transfer back to film as

well as for creating streaming video for the Internet. Eduardo Sanchez, one of the two Blair Witch writer-directors at Haxan Films, cited the use of the Internet as one of the key drivers of word of mouth interest in "The Blair Witch Project" film as well as the <http://www.blairwitch.com> site. Haxan Films used Media 100 xr and Media Cleaner Pro to create the film and Web site to be complete standalone entities.

According to the Nielson Net-Ratings, blairwitch.com is the 45th most popular site on the Internet. The only movie site to receive more hits was the Star Wars prequel, "The Phantom Menace," which received 340 hits per second when it first posted the Episode 1 trailer that was also formatted for the Web using Media Cleaner

Pro. To see trailers and clips from The Blair Witch Project, see www.blairwitch.com or www.media100.com.

In "Blair Witch," Haxan Films mixed Hi-8 video and 16mm film and edited the entire piece on Media100 xr. Blair Witch was initially longer than 200 minutes and saddled by two different editorial approaches. Director's Eduardo Sanchez and Dan Myrick worked with the rest of the Haxan production team including Mike Monello, Gregg Hale and Robin Cowie to cut the film down to 82 minutes. They maximized image quality by re-digitizing the scenes they needed from the original Hi-8, mastering it to DigiBeta and then transferring it to film.

Apple II Forum: Y2K Concerns

By Tom Gates

We are planning on using the Oct., Nov, and Dec. Main Apple II meetings to discuss issues regarding Y2K on the Apple II's. The Texas II site as noted has had a lot of good info and Bev Cadieux has a number of patches available for AppleWorks versions, ProSel 8 and 16, etc.

The calendar will be updated to show "Y2K and Apple II Issues" for the remaining Apple II / IIGS Main meetings of 1999.

- Tom G.

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

Just a few of the many items given away free in the last year included: Connectix QuickCam, Microsoft Encarta, Books from Peachpit Press and MacMillan, RamDoubler, SpeedDoubler, Lind PowerBook battery Conditioners and Rechargers, Microsoft Art Gallery, and Apple System 8.5 software.

Discounts on book orders

40% off Peachpit Press, 30% 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.

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