mini'app'les newsletter

the minnesota apple computer users' group, inc.

AUGUST 2001

SUN	MON	TUE	WED	THU	FRI	SAT
			1 7:00	2	3	4
5	6 7:00	7	8 7:00	9 7:00	10	11
12	13 7:00 iMovie SIG	14 Club Picnic 5:30	15 PHOTOSHOP! 7:00 DIGITAL IMAGING SIG	16 7:00 / 7:00am	17	18
19	20 4D 7:00	21 7:00	22 7:00	23 6:30	24	25
26	27 6:00 ? Mac 7:00	28	29	30	31	

1 — AppleWorks SIG
Washburn Library
5244 Lyndale Ave S. Mpls
Pam Lienke 651-457-6026

6 — Board of Directors
mini'app'les members welcome.
Byerly's
7171 France Ave S, Edina.
Bert Persson 612-861-9578

8 — Microsoft Word SIG
2850 Metro Drive Rm 124,
Bloomington
Tom Ostertag, D 612-951-5520 E
651-488-9979

9 — Macintosh Main
Washburn Library
5244 Lyndale Ave S. Mpls
Jack Ferman email
ferma001@tc.umn.edu

13 — iMovie SIG
Washburn Library
5244 Lyndale Ave S. Mpls
John Pruski, 952-938-2818

14 Club Picnic — Annual Club Picnic
Minnehaha Falls Park
Pavilion
Bert Persson 612-861-9578

15 — Photoshop-Digital Imaging
Washburn Library
5244 Lyndale Ave S. Mpls
Gary Eckhardt, 952-944-5446

16 — Macintosh Consultants SIG
Embers
7525 Wayzata Blvd
St. Louis Park
Bob Demeules, 763-559-1124

16 — Quicken SIG
2850 Metro Drive, Rm 124
Bloomington
Dale Strand, 952-835-5872

20 — Fourth Dimension SIG
8200 Humbolt Ave South
2nd Flr. Conference Rm.
Bloomington
David Ringsmuth, 952-853-3024

21 — Apple II / GS SIG,
Augburg Library
7100 Nicollet Ave S, Richfield
Tom Gates 612-789-6981

22 — Programming SIG
Washburn Library
5244 Lyndale Avenue S, Mpls
Andre Benassi 763-502-0187

23 — FileMaker Pro SIG
Partners, Suite 5
1410 Energy Park Drive, St
Paul Steve Wilmes,
651-458-1513

27 — Meet Your iMac / Mac SIG
Liberty State Bank
176 Snelling Ave. N St.Paul
Community Room
Brian Bantz, 952-956-9814

27 — Macintosh Novice SIG
Liberty State Bank
176 Snelling Ave. N St.Paul
Community Room
Richard Becker, 612-870-0659

For the latest Information please call mini'app'les Voice Mail-651-229-6952

mini'app'les

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

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Questions – Please direct questions to an appropriate board member. Users with technical questions should refer to the Members Helping Members section.

Dealers – mini'app'les does not endorse specific dealers. The club promotes distribution of information which may help members identify best buys and service. The club itself does not participate in bulk purchases of media, software, hardware and publications. Members may organize such activities on behalf of other members.

Advertisers – For information, see Newsletter Ad Rates box within this issue.

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.
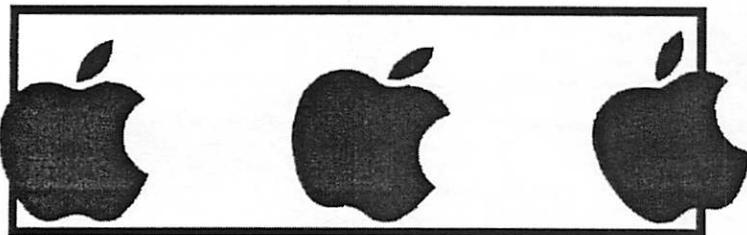
Editor/Publisher: Tom Ostertag 651-488-9979

Newsletter Layout: John Pruski 952-938-2818, Bert Persson 612-861-9578

mini'app'les BBS – 952-595-9404, (co-located on Twin City Interlink BBS), 24 hrs. Settings: 8-1-0. Call in with FirstClass® Client software or any text-based terminal program. Last day of service August 31, 01.

mini'app'les Voice Mail – 651-229-6952

mini'app'les WWW site: http://www.miniapples.org

mini'app'les e-mail: miniapples_info@tcilink.com

CHANGE OF ADDRESS

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.

Table of Contents

September 2001 Preview

Here is the tentative calendar of our Special Interest Group (SIG) meetings for September 2001. 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

Monday	September	3	Board of Directors meeting
Wednesday	September	5	AppleWorks nee ClarisWorks SIG
Monday	September	10	imovie SIG
Wednesday	September	12	Microsoft Word SIG
Thursday	September	13	Macintosh Main SIG
Monday	September	17	Fourth Dimension SIG
Tuesday	September	18	Apple II / GS Main SIG
Wednesday	September	19	PhotoShop / Digital Imaging SIG
Thursday	September	20	Macintosh Consultants
Thursday	September	20	Quicken SIG
Monday	September	24	Macintosh Novice SIG
Monday	September	24	Meet Your iMac / Mac SIG
Wednesday	September	26	Macintosh Programming SIG
Thursday	September	27	FileMaker Pro 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.

Software/Hardware	Volunteer #
Apple II / IIGS Software & Hardware	1, 5, 8, 14
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, 13
Quicken	2, 6
QuickBooks and QuickBooks Pro	6
Mac OS 7	8
Mac OS 8	
WordPerfect	4
Cross-Platform File Transfer	5,14
Networks	11
New Users	1,10
PowerBooks	11
Classic Macs	11
Power PC 601 Power Macs	
iMacs	12

#	Name	Phone	Times
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	763-427-2868	D
8.	Bruce Thompson	763-546-1088	EW
9.	Pam Lienke	651-457-6026	EW
10.	Tom Lufkin	651-698-6523	EW
11.	Ben Stallings	612-870-4584	DEW
12.	Rodney O. Lain	651-452-5821	EW
13.	Gary Eckhardt	952-944-5446	EW
14	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

1/6 page . . . . 2.5" Width x 5" Height $10

1/3 page . . . . 2.5" Width x 10" Height Vert or 5.5 H . . $20

1/2 page . . . . . . 7.5" Width x 5" Height (save 5%) $30

2/3 page . . . . . . 5" Width x 10" Height (save 7%) $40

Full page . . . 7-1/2" Width x 10" Height (save 15%) . . $60

Outside back cover . 7-1/2" Width x 7-1/2" Height . . $50

Inside back cover . . . . 7-1/2" Width x 10" Height . . . $60

All ads must be prepaid and submitted on electronic media. Ads of $20 and under must run for a minimum of three months.
Mail inquiries to: PO Box 796, Hopkins, MN, 55343
Phone inquiries to: John Pruski, 952-938-2818

Board of Directors Meeting Monday, June 4, 2001

Submitted by Pamela Lienke, Secretary

Agenda adopted
Minutes of May meeting approved

Officer and Committee Reports
President—call from Don; club has received another bill for the projector case. Denis will take care of it.
Vice-President—no report
Treasurer—no report—all bills paid
Marketing—MicroCenter may be placing ad in our newsletter. Macamania is also interested in placing an ad.
Membership—mailing 260 newsletters
SIG Director—next month Apple will be the main meeting, Wahsburn library, July 12.
Publications—wants to get an article in newsletter to explain how submissions should be sent.

Old Business
Screen from Tierney still in limbo. Denis will contact them.
Bert has the old projector. Perhaps André may want to store it, so he can use it at the Programers' SIG.

Mini'app'les old software library from Fred Frankena. Tom Gates is taking care of it.
Summary of the survey—try to publish in July newsletter.
New business
Mini'app'les mandate—to pursue education. Arnie Zuchman from First Tech wants help in a local school to help parents learn to use IBooks. Brian will follow up on this.
Brian Bantz has been attending Mac University and has been learning about user groups around the country. Few still have a printed newsletter. Clubs that thrive have one weekend meeting a month. Some have mentoring program.
The club ambassador gets sample software from several vendors. What is happening to it?
Who collects the revenue for ads in the newspaper? Don should be sending bills.
TCIlink is shutting down the BBS service August 31, 2001. Tom Gates may be willing to house it. Steve Wilmes offered to to house a web based BBS.

M/S/P that if a club member is willing to house First Class BBS, the club will finance its operation, and that we establish a web based board with Steve Wilmes as consultant.
Les will host June main meeting.
Brian B. will demo OS 10.
Discussion about whether or not we could have representation in Aquatennial.
Uptown Art Fair—Will see if First Teach is interested in having us there.
Picnic—Will ask at main meeting to see which week most people would like. We will return to a week night as last years' weekend picnic was poorly attended.
Discussion about the Yahoo mail list,

Meeting adjourned at 8:45

Next meeting July 2, Byerelys 7:00 P.M.

Meeting Adjourned

Respectfully submitted,
Pamela Lienke, Secretary

Headlines at The Mac Observer for Wed., July 18, 2001

Submitted by Les Anderson

1. - The Apple Stock Watch - Apple's Stock Falls 17% Overnight
2. - App Helps OS X Users Get Organized
3. - MWNY - LaCie Releases 48GB PocketDrive
4. - MWNY - GameRanger Announces OS X Support
5. - Stock Management App Updated
6. - MWNY - Imation Announces Products To Handle Your On-The-GO Lifestyle
7. - MWNY - Corel Launches "procreate" Line
8. - MWNY - MovieWorks Deluxe Coming To Mac OS X
9. - MWNY - The More Things Change, The More iMacs Look The Same
10. - MWNY - Pictures From New York & The Keynote
11. - FileMaker Based Survey System Updated
12. - Instant Messaging Comes To FileMaker Pro
13. - MWNY - Apple Announces Mac OS X 10.1 Upgrade
14. - MWNY - Kaiden Announces New QuickTime VR Equipment

15. - MWNY - Live MACWORLD Keynote Coverage!
16. - MWNY - Apple Releases Updated PowerMac G4 Line
17. - MWNY - Dealmac Launches Dealram Web Site
18. - MWNY - Gefen Announces Special Pricing On DVI To ADC Converter
19. - MWNY - Asante To Demo Gigabit Ethernet Products At MACWORLD
20. - MDJ Posts A Who's Who Of The Mac Universe
21. - Sorenson Announces QuickTime Encoding For OS X
22. - Latest Software Updates - ZipIt, Mac Drive Table, CalendarMonster

1. - THE APPLE STOCK WATCH - APPLE'S STOCK FALLS 17% OVERNIGHT
Ouch, Apple's stock got socked with a triple whammy.
http://www.macobserver.com/stock-watch/2001/07/18.1.shtml

2. - APP HELPS OS X USERS GET ORGANIZED
Channel 8 Software has updated their organization utility, iOrganize, to ver-

sion 1.5. iOrganize provides users with an easy an intuitive way of storing a wide variety of information, including appointments, addresses, and a to-do list.
http://www.macobserver.com/article/2001/07/18.18.shtml

3. - MWNY - LACIE RELEASES 48GB POCKETDRIVE At MACWORLD this week, LaCie has announced a new 48GB PocketDrive. The new drive features both USB and FireWire interface assuring maximum speed and compatibility, and is designed as a mobile storage solution for multimedia professionals and hobbyists.
http://www.macobserver.com/article/2001/07/18.17.shtml

4. - MWNY - GAMERANGER ANNOUNCES OS X SUPPORT GameRanger, the service for gaming online, has announced that they will add OS X support by the end of August. Designed to take advantage of Apple's latest operating system, GameRanger will provide access to networked games for OS X as they become available.

The Mac Observer Spin: While there are not a ton of OS X games yet, it is good to know that when they are released there will be access to online competition through GameRanger. And if any of you saw the WarCraft III demo during today's keynote, you are probably as psyched for that as we are.
http://www.macobserver.com/gamingnews/2001/07/18.1.shtml

5. - STOCK MANAGEMENT APP UPDATED
Essentrix has updated their stock information and management utility, TradeAssist, to version 2.2.7. TradeAssist allows users to get stock quotes, pricing alerts, and manage their portfolios from within one simple application.
http://www.macobserver.com/article/2001/07/18.15.shtml

6. - MWNY - IMATION ANNOUNCES PRODUCTS TO HANDLE YOUR ON-THE-GO LIFESTYLE
Imation today announced several products to help people manage parts of their increasingly digital lifestyle. While Apple has positioned products such as the iBook as a –digital hub" to manage their digital devices and data, the iBook is only a start.
http://www.macobserver.com/article/2001/07/18.16.shtml

7. - MWNY - COREL LAUNCHES "PROCREATE" LINE
At MACWORLD this week, Corel is launching a new line of products called the "procreate" line. The procreate lineup will be led by Painter 7, also released at MACWORLD, and will feature a number of other products for both OS X and Windows.
http://www.macobserver.com/article/2001/07/18.11.shtml

8. - MWNY - MOVIEWORKS DELUXE COMING TO MAC OS X
Interactive Solutions has announced that their video editing application, MovieWorks, will be coming to Mac OS X. MovieWorks Deluxe 5.1 for Mac OS X will be on display during this week's MACWORLD Expo. MovieWorks provides users with a wide range of tools for creating, editing, and delivering digital video content.
http://www.macobserver.com/article/2001/07/18.12.shtml

9. - MWNY - THE MORE THINGS CHANGE, THE MORE IMACS LOOK THE SAME
Apple has announced new iMacs, and as MacUser UK and MacMinute reported last week, the new models are the same old CRT based we have all come to know and love. Better yet, they are a little bit faster.
The Mac Observer Spin: This marks the second rev of the iMac line where the lowest priced model has actually gone up by US$100. Spiffy news, that.
http://www.macobserver.com/article/2001/07/18.14.shtml

10. - MWNY - PICTURES FROM NEW YORK & THE KEYNOTE
For those who can't be at MAC-WORLD, seeing pics from the show is sometimes the next best thing. We offer some photos of Apple's MAC-WORLD advertising from around New York and pics from the keynote, just before it started.
http://www.macobserver.com/article/2001/07/18.13.shtml

11. - FILEMAKER BASED SURVEY SYSTEM UPDATED
Waves in Motion has updated their FileMaker Pro based survey application, Poll-It, to version 3.0. Poll-It allows users to design, run, and analyze Web based surveys or questionnaires via FileMaker. Users are also able to host their surveys with Waves in Motion.
http://www.macobserver.com/article/2001/07/18.7.shtml

12. - INSTANT MESSAGING COMES TO FILEMAKER PRO
Brian Dunning has released a new instant messaging program for use with FileMaker Pro, The BoardRoom 2.0. The BoardRoom allows up to 250 users message each other without ever having to leave the FileMaker Pro environment.
http://www.macobserver.com/article/2001/07/18.9.shtml

13. - MWNY - APPLE ANNOUNCES MAC OS X 10.1 UPGRADE
Since the release of Mac OS X 10.0, Apple has released 4 minor updates (10.0.1 through 10.0.4) to the operating system. Although these updates offered minor speed and functional updates, OS X still can't match the performanc of Mac OS 9, which has had years to mature and be fine-tuned

for the Mac.

The Mac Observer Spin: This update will help fill in some of the gaps in functionality that have prevented many from totally switching over to Mac OS X, such as DVD playback and CD burning. The support for more computing standards and devices is also welcome.
http://www.macobserver.com/article/2001/07/18.10.shtml

14. - MWNY - KAIDEN ANNOUNCES NEW QUICKTIME VR EQUIPMENT
At MACWORLD today, Kaidan announced two new motorized turntables, and improved software, for creating QuickTime VR movies. The Kaidan PiXi-M and Magellan-M turntables and software provide users with a powerful set of tools for capturing and creating 3D movies and images.
http://www.macobserver.com/article/2001/07/18.6.shtml

15. - MWNY - LIVE MACWORLD KEYNOTE COVERAGE!
The Mac Observer staff will be busy bringing you our blow-by-blow update of today's MACWORLD keynote speech starting around 9:00 AM EDT. As Steve Jobs makes announcements we will post them to this page, offering readers the most complete keynote coverage anywhere on the Web. We hope you join us!
http://live.macobserver.com/article/2001/07/mwny2001_keynote_live.shtml

16. - MWNY - APPLE RELEASES UPDATED POWERMAC G4 LINE
During this morning's MACWORLD Expo keynote, Apple CEO Steve Jobs unveiled a new line of PowerMac G4 computers. The new computers come in three different configurations, with the low end machine sporting a G4/733MHz chip, the mid range a G4/867MHz chip, and the high end featuring two 800MHz G4 processors.

The Mac Observer Spin: While not an Earth moving improvement, faster G4s are a welcome addition to Apple's lineup. Most of the rumor sites had pegged the top end machine to be a 933MHz model, with a Dual 800 somewhere in the middle. As it turns out the Dual 800MHz machine now holds up Apple's top end. Faster machines will eventually see the light

of day, but we are now likely forced to wait until MWSF to see the magically 1GHz barrier broken.
http://www.macobserver.com/article/2001/07/18.8.shtml

17. - MWNY - DEALMAC LAUNCHES DEALRAM WEB SITE At MACWORLD, Dealmac.com has announced the availability of a new service dedicated to helping users find the lowest RAM prices, Dealram.com. Dealram.com aims to provide both Mac and PC users with a comprehensive list of RAM vendors while highlighting the lowest prices for a wide variety of memory.
http://www.macobserver.com/article/2001/07/18.5.shtml

18. - MWNY - GEFEN ANNOUNCES SPECIAL PRICING ON DVI TO ADC CONVERTER
Gefen has announced special MAC-WORLD pricing on their version of the ADC to DVI display converter. Gefen's extend-it DVI to ADC Conversion Box allows those without a newer Mac supporting the Apple Display Connector (ADC) technology to use Apple's latest line of displays.

The Mac Observer Spin: While the ADC may be a good idea, and offer easier connectivity to a system, is plugging in three cords to the back of a computer really all that more difficult than plugging in one? Especially considering that, generally, once a display is connected to a machine it stays connected.
http://www.macobserver.com/article/2001/07/18.4.shtml

19. - MWNY - ASANTE TO DEMO GIGABIT ETHERNET PRODUCTS AT MACWORLD
Asante will be at this week's MAC-WORLD Expo showing off their latest line of gigabit ethernet products. Asante's FriendlyNET line of products is completely Mac compatible and provides a powerful high-speed networking solution for users.
http://www.macobserver.com/article/2001/07/18.1.shtml

20. - MDJ POSTS A WHO'S WHO OF THE MAC UNIVERSE
The Macintosh Daily Journal for Serious Macintosh Users has posted their second annual list of the MDJ

Power 25. The list of the 25 most powerful people in the Macintosh community is headed, of course, by Steve Jobs.
http://www.macobserver.com/article/2001/07/18.2.shtml

21. - SORENSON ANNOUNCES QUICKTIME ENCODING FOR OS X
Sorenson Media has announced a product for QuickTime 5 encoding for Mac OS X, Sorenson Squeeze. Squeeze allows OS X users to create, encode, and deliver QuickTime 5 based content.
http://www.macobserver.com/article/2001/07/18.3.shtml

22. - LATEST SOFTWARE UPDATES - ZIPIT, MAC DRIVE TABLE, CALEN-DARMONSTER
You can find these titles, along with thousands of others, at The Mac Observer's Version Master page.
http://www.macobserver.com/version-master/

http://www.macobserver.com/

Leave Tomorrow Behind?
Dreamweaver Can Get You Through the Night

Submitted by Ben Stallings

(Note: the current version of Dreamweaver is 4, not 3, so some limitations reported in this review may have been fixed in the newer version.)

When Denis asked me to review a copy of Macromedia Dreamweaver 3 for the mini'app'les newsletter, I asked him if he knew what he was getting into... he knows that I'm an HTML purist and a harsh critic of the gibberish that most Web editing software inserts into unsuspecting Web pages. I evaluated the Presidential candidates partly on the basis of how clean their HTML was!

But I know many of you are more concerned with ease of use and how well the program actually works, so I'll divide my comments up into two sections.

For the People: A slick and intelligent tool

First, the good news. Learning to use Dreamweaver is much easier than learning to write Web pages by hand. It will also pay off in that the pages you create will be more compatible with more Web browsers and more operating systems than those produced by the leading brand. And if you like Web sites with lots of bells and whistles, Dreamweaver can accommodate you with everything from buttons that change when you move the mouse over them to Shockwave and Flash presentations to Active Server Pages and Server Side Includes. We are talking more power than most anyone knows what to do with, and it handles beautifully.

It's tempting to think of a Web editor as just a special kind of word processor, and in fact most word processors these days allow you to create Web pages. But the priorities are all different... to give the most obvious example, a Web editor is writing for the computer screen -- which may be any size -- not for any particular size print-

ed page. And when you start from different priorities, you get a completely different kind of program.

If you're expecting Dreamweaver to be a word processor, you may be alarmed by its size (version 3 takes up 8 MB for the application alone, 24 MB including files) and memory requirements (40 MB suggested). I'm not really sure why it's so big, but then I haven't put it through all its paces. You'll also be confused by the arrangement of tools and buttons and things, because a word processor would arrange them differently. And there may be times when you'll think the program's not working right because you can't get rid of a blank line or an indentation the way you would in AppleWorks. Invest some time into learning how the Web works, and it will all make a lot more sense.

If you don't have time for that, you're in luck, because contextual menus are your friends. You can do most anything to any part of your document

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Just by control-clicking on it and selecting what you want from the pop-up menu. I highly recommend this strategy.

Alas, there's also a stability problem. When I run Dreamweaver 3 on my Powerbook G3 Series with 96 MB of RAM and Mac OS 8.6, it crashes almost every other time I use it. Of course, I have similar luck with Internet Explorer 5, but with IE saving my work is not an issue. So save early and often!

For the Record: Why you should care about XHTML and CSS

We Mac users owe a lot to standardization. I don't mean the businesses that try to eliminate Macs in order to standardize on Windows; I mean Apple's insistence over the years that hardware and software developers stick to Apple's standards. When you buy a Mac peripheral and plug it into your computer, it's supposed to work with all your other Mac peripherals. And when you install a new program on your Mac, it should look and act like a Mac program and get along with your other Mac programs. And when you view a Web page, it looks just the same as on a Windows machine.

... What's that? You say a lot of Web pages don't look right on your Mac or crash your browser or require software that won't run on a Mac? Well, that's because the leading Web editor (FrontPage) is designed to produce pages that only look right when you use other Microsoft products. That's their prerogative, right?

Actually, no... the HTML (HyperText Markup Language) and CSS (Cascading Style Sheets) standards don't belong to them or to any other company, and they was intended from day one to work correctly on every browser and every operating system. But when you don't follow the standards, you don't get their benefits.

As long as 90% of people surfing the Web are using Windows, there's not much reason for anyone to try to accommodate us Mac users. But now there's another wave of Web browsers coming online: cell phones and per-

sonal organizers. If you want your Web site to be viewable on someone's tiny cell phone screen, you've got to stick to the standards!

If you go to the World Wide Web Consortium's site at http://www.w3.org, you'll see that the standard since 1999 has been XHTML 1.0, which is very much like HTML 4.0 but paves the way for XML (eXtensible Markup Language) in the future. The 1999 standard also recommends using Cascading Style Sheets (CSS) *instead* of putting formatting instructions in the HTML code, in order to better accommodate "thin clients" like cell phones and organizers.

Dreamweaver 3 was released in 1999, and version 4 is out now. So it should accommodate XHTML, right? Or at the very least there should be some notes online about how to use Dreamweaver to produce XHTML, right? Alas, no. There's no mention of XHTML anywhere in the manuals or in the online help or even on the Dreamweaver Web site. The W3.org site provides an HTML validation service, so you can check your pages to see if they follow all the rules of *any* version of HTML. If you create a new page in Dreamweaver 3, type a few words, and save it, it will not validate as any version of HTML. Whoops!

But in spite of that little oversight, Dreamweaver is still a great tool for those who want to stick with the standards. Here's why.

For the Power Users: A time saver for development and maintenance

I was very impressed by the cleanliness of the pages Dreamweaver 3 produces, especially compared to the leading brand. (It even comes with a menu option to "clean up" Microsoft's messy HTML code, in case you have to edit a page that was created by one of their products.) If you start with a valid HTML 4.0 document and edit it with Dreamweaver, you'll get a valid HTML 4.0 document. The same goes for XHTML 1.0, for the most part... nothing a quick find-and-replace can't fix.

Now, it would be nice if the program came with some valid HTML 4.0 or

XHTML 1.0 templates so that you could produce valid Web pages from scratch, but it's not too hard to create your own templates. I did that and have been happily Dreamweaving ever since.

Dreamweaver 3 does a nice job of supporting CSS as well as HTML formatting, and in fact it will let you work with the full CSS 2.0 language, but it can't display all of the fancy formatting this gets you... in other words, it's not fully WYSIWYG. Preview in your browser. Preview in multiple different browsers. (Most browsers still don't support all of CSS 2.0 anyway.)

If you're fluent in HTML, you'll appreciate the HTML viewer window that lets you see the details as you create them, and the quick tag editor that pops up at the press of a key, as well as the contextual menus I already mentioned. But you'll appreciate even more how easy it is to create tables and lists and other such niceties, and you'll love how it keeps track of the relative locations of all your files, so if you move a page from one folder to another, or if you copy and paste a complicated navigation bar between documents, all your links change automatically and appropriately.
What a godsend!

Dreamweaver recognizes that most Web sites contain more than one page... so you don't just work with pages, you work with sites. Once you define a site, including the username and password for the Web server where it's stored, you can move from one project to another just by selecting which site you want to work on. Dreamweaver will also upload your files to your Web server(s) for you, though it's extremely slow and cumbersome compared to NetFinder or Fetch. I generally wait until I'm done making changes and then upload all my files at once with NetFinder. Of course, if you're using Personal Web Sharing on your Mac, you can skip this step!

All in all, Dreamweaver is a great product. It strikes a very good balance between power and ease of use: it'll meet you halfway without doing anything halfway.

Big Board Access

Submitted by Les Anderson

At the Main Mac meeting on July 12 we had a demo /preview of the new web based BBS for mini'app'les members. The program was led by David Peck and Bruce Thompson. David was one of the "movers" who got this started. He and Lisa Huston have done most of the web design. It is still in the developement stage, and each time I visit it there is something new added. The BBS is being hosted by member Steve Wilmes, who is also contributing to the design.

I urge everyone to look at and try our new BBS message system simply point your browser to: http://207.1.200.36/~miniapples/

and enter the user name and password when prompted.
username: apple
Password: miniapples
You can also click on the link to the BBS from our main web site, www.miniapples.org. You might want to bookmark both of these. Thanks to all who have worked on this project.

Black and White Underway for Mac

Submitted by David Peck

Mac gamers have been hearing whisperings about a Mac version of Black and White for a while now, but the official confirmation from Lionhead came today when they posted a roundup of the Black and White versions (courtesy of Lionhead's Mark Webley) they are currently working on. Among other versions, such as the Playstation 2, X Box and Linux, the Mac version "is most definitely underway and we hope to see something released before Christmas."

Black and White is the critically reknowned "God sim" game where one attempts to gain the allegiance of an island of followers through either benevolent or evil bestowals upon them. The game is heralded particular for its brilliant AI and gorgeous, lush graphics. Rumor has it that Feral Interactive will publish Black and White, but Lionhead did not confirm this in today's post.

For more on Black and White go to <http://www.liongames.com/baw/>.

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Authors Available For Interviews from Peachpit Press

Submitted by Tom Gates

There are a number of Mac book authors that are available for being interviewed for reasons such as an article in the newsletter based on the interview. There is a list of about 10 folks - including notables like Robin Williams.

With the list is info on what their willing to be interviewed on - current new book, general topic like graphic arts production on a computer, etc.
If someone/anyone is interested in this, I'll be happy to pass on the info.

Apple eNews July 19, 2001 Volume 4, Issue 15

1. What Apple Is All About
2. Best Computer for Today's Digital Lifestyle
3. Pro create.
4. Just One Bounce
5. Commotion Motion What's this Notion?
6. A Thousand Today. Thousands More on the Way.
7. Macworld Quick Takes

What Apple Is All About

"This is what we're all about," concluded Steve Jobs at the end of his Macworld keynote, "allowing people to do things they could never do before. Making creativity possible--for everyone."

Best Computer for Today's Digital Lifestyle

One of the ways we're demonstrating that mission: updating our iMac fami- ly to make iMac both faster and less expensive.
As of today, the iMac family consists of three models. Sporting fast PowerPC G3 processors, they run at 500 MHz, 600 MHz, and 700 MHz and cost $999, $1299, and $1499 (MSRP), respectively. The 700-MHz iMac Special Edition will be available in August; the two other models are available immediately.
To make the iMac an even better computer for your digital lifestyle, we increased the amount of memory and storage space. Out of the box, the iMac now offers up to 256MB of memory and up to 60GB of hard disk storage.
And you can take advantage of the extra speed and storage space right away by managing your growing music library and burning audio CDs with iTunes and creating Desktop Movies with iMovie. In fact, iTunes and iMovie are just two of the software applications that come bundled with every iMac and that help make it the best computer for today's digital lifestyle.
http://www.apple.com/imac/

Pro create.

There's nothing creative professionals enjoy more than seeing their ideas fledge and take wing, and that's what the new Power Mac G4 is all about. Creativity.
From science to the arts, from digital 3D holography to DVD mastering, the new product line offers the fastest Power Mac G4 ever and the ultimate in performance, expansion, and digital media solutions.
Yesterday, the 733-MHz Power Mac G4 was at the top of the line; today, it's where the line starts. Up a notch sits a Power Mac G4 with a single 867-MHz processor (with a 2MB Level 3 backside cache). And, at the top of the new line, you'll find a system with dual 800-MHz PowerPC G4 processors

(with a dual 2MB Level 3 cache). You can check the specs (and they're impressive) on our website, but the big news is that the SuperDrive--and all of the creative projects its ready availability enables--now comes standard in Power Mac G4 systems costing just $2499 (MSRP)--$1000 less than before.
http://www.apple.com/powermac/

Just One Bounce

One of the products that will take advantage of the performance offered by both the new iMac and Power Mac G4 computers is Mac OS X.
Especially the new version of Mac OS X we're previewing at Macworld Expo. Scheduled to ship in September, Mac OS X version 10.1 offers blazing speed (most applications launch with just one icon bounce), enhancements to the Aqua interface, improvements to the Dock (you can move it!), and a host of exciting new features.
Let's talk about those new features. With Mac OS X v10.1, you'll not only be able to create a music library and burn music CDs with iTunes, you'll also be able to burn data CDs from the Finder, make movies with iMovie, watch DVDs with the DVD Player, and create DVDs with iDVD. Those are the features you really wanted us to add, and you'll see them all in September.
That's just the beginning, though. Mac OS X v10.1 is an absolute powerhouse, and we have a great deal more to tell you about it.
http://www.apple.com/macosx/

Commotion Motion What's this Notion?

Speaking of iDVD, we had this crazy idea.

As you probably know, iDVD--the application that makes DVD creation child's play--lets you create menus for the slide shows or desktop movies you want to include on your DVDs just by dragging and dropping.
Wouldn't it be great if iDVD not only allowed you to create these menus, but allowed you to play your movies and slide shows right in the menus themselves?
The industry term for this is "motion video," and even though Hollywood is just beginning to incorporate it in the DVDs you buy or rent at the store,

come September you'll be able to include motion video in the DVDs you create and share with friends, family, colleagues, and clients.
We call them "motion menus," and they're just one of the improvements we'll be introducing in iDVD 2. Previewed at the Expo in New York, iDVD 2 is coming to the Mac in September and will run only in Mac OS X.
http://www.apple.com/pr/library/2001/jul/18idvd2.html

A Thousand Today. Thousands More on the Way.

Today--just 117 days since we introduced Mac OS X--there are already a thousand native applications available for you to use. By the time iDVD 2 ships in September, you'll have thousands of Mac OS X applications from which to choose.
In fact, over 40 third-party developers announced new applications at the New York show, including ten developers--Adobe, Alias Wavefront, Aspyr, Blizzard Entertainment, Connectix, FileMaker, IBM, Microsoft, Quark, and Worldbook--who demonstrated their new Mac OS X products during the keynote.
Find out more about what's here today--a list that includes AccountEdge (MYOB), AppleWorks (Apple), BBEdit (Bare Bones), Bryce 5 (Corel), FileMaker (FileMaker), FreeHand 10 (Macromedia), LiveStage 3 Pro (Totally Hip), and Toon Boom Studio (Toon Boom Technologies)--and what's coming tomorrow by visiting:
http://www.apple.com/macosx/applications/

Macworld QuickTakes

Enjoy comprehensive Macworld coverage--keynote content, photos from the show, Desktop Movies catching all the action, and more--on Hot News.
http://www.apple.com/hotnews/articles/2001/07/macworld/

CE Software announces QuicKeys X. "Built from the ground up...for Mac OS X," the popular automation software product offers "powerful toolbars, multi-step shortcuts, type text, file management, timers, OS X compatibility, new Aqua interface, and much more. QuicKeys X is scheduled

to ship in August."
http://www.oesoft.com/

Griffin Technology introduced two USB-based audio products at Macworld, the PowerWave, "designed from the ground up with music lovers in mind," and the PowerMate, which Griffin calls "a universal audio controller."
http://griffintechnology.com

DAVE is coming to Mac OS X. Thursby Software Systems demonstrated its Mac to PC file sharing software at this week's Macworld expo and is offering a free version for Mac OS X version 10.0.4 on its website.
http://www.thursby.com/default.html

ArcSoft has begun to ship PhotoStudio X. The new version of its powerful yet easy-to-use photo editing application is the first digital imaging editing software available for Mac OS X.
http://www.arcsoft.com/

Be sure to take advantage of Bare Bones Software's "Not-at-the-Show" special offer on BBEdit 6.1. Built for Mac OS X, BBEdit 6.1 is a text and HTML editor, widely used by Macintosh webmasters and HTML email newsletter editors.
http://www.barebones.com/

Compression utilities come to Mac OS X with Squeeze, a new product from Sorenson Media being demoed at Macworld.
http://www.sorenson.com/web/company/press_room/pr_011.jsp

Intuit announced that the next version of its widely used personal finance software will be built for Mac OS X. Quicken 2002 Deluxe for Macintosh, which Intuit expects to ship later this summer, "utilizes the power and flexibility of Apple's new operating system and delivers a financial software package that gives users additional stability and an improved user interface," said Steve Grey, Quicken general manager.
http://www.intuit.com/corporate/press_releases/071701.html

Mini'app'les Annual Picnic in Minnehaha Park

Submitted by Bert Persson

The mini'app'les annual picnic will be held on (Tuesday) August 14.

I should also mention to our new members that this is an excellent opportunity to get to know other members of our club and everyone is encouraged to bring their family and friends.

What should you bring to the picnic?

Each of us has brought our own food and a dessert to share.

This year the club will provide refreshments

and for those who are interested we can provide hot dogs, buns, chips and fresh corn on the cob. In order to purchase the right amount of food, you'll have to call 612-861-9578 if you plan on taking advantage of the clubs picnic meal before Aug 10.

All in all we are hoping for good weather and that the annual picnic will be enjoyable for everyone. Now for the most important part, were will it be held?

On the northwest corner by the Picnic Pavilion in Minnehaha Park. Minnehaha Park is located at Hiawatha Ave. and Minnehaha Pkw E. Parking is available by the Picnic Pavilion, but for the frugal street parking is only a block away.

We will try to get together by the Picnic Pavilion starting at 5:30 P.M on Tuesday, August 14, 2001. Bert

QuickTime News July 13, 2001 July 13, 2001

Submitted by John Pruski

In This Issue

1. Spider-Man Walks the Web
2. Hitting Paleontological Pay Dirt
3. Listen to the Music
4. QuickTime Hot Picks
5. Trailer Park
6. Exploring the Battlefields of Gettysburg
7. QuickTime Travel Corner
8. Quick Takes

Read today's issue of QuickTime News online at:
http://www.apple.com/enews/2001/07/13enews3.html

1. Spider-Man Walks the Web

Though the film won't grace the big screen until next year, SONY and Columbia Pictures would like to tug a few of your strings with an action packed teaser for their new film, Spider-Man.
Based on the perennial favorite from Marvel Comics, Spider-Man will open on May 3, 2002, with Tobey Maguire (Wonder Boys, Cider House Rules) taking the lead as Peter Parker (the Spider-Man himself) while Kirsten Dunst (Crazy/Beautiful, Bring It On) portrays Mary Jane and Willem Dafoe (Shadow of the Vampire, The English

Patient) drops in as the Green Goblin. Oh, and they'll be thousands of extras--of the eight-legged variety. Now, don't get too caught up in the trailer:
http://www.apple.com/trailers/columbia/spiderman/

2. Hitting Paleontological Pay Dirt

After elementary school teacher Shayne Tolman discovered numerous prehistoric artifacts at the St. Mary Reservoir in Alberta, Canada, scientists investigated and found evidence that man and many now-extinct animal species trekked there more than 10,000 years ago.
The ancient animal footprints on the river floodplain give one of the last snapshots of the late Pleistocene Era, recorded shortly before many of the species disappeared forever. The reservoir also provided evidence that humans may have overhunted a species of small horses to extinction. Find out more about how Canadians hit archaeological and paleontological "pay dirt" in a video hosted by Apple's Learning Interchange for the University of Calgary.
http://ali.apple.com/events/calgary1/
2. Listen to the Music

On August 6, the eccentric Icelandic pop star known as Bjork will release

"Hidden Place," the first single from her upcoming CD "Vespertine." But you don't have to wait until August, because the surrealistic music video for "Hidden Place" heads up Bjork's sparkling new QuickTime Gallery, where you can also view most of her other outrageously fascinating music videos.
http://www.bjork.com/snipsbits/video/

In an exclusive interview for Rollingstone.com, 17 year-old singer, actress, and MTV personality Mandy Moore talks about her newly released, self-titled album, and how it felt to collaborate with the writers, producers, and musicians behind the scenes.
http://www.rollingstone.com/features/mandymoore/

The U.K.'s Video-C presents Steve Spacek and his south London soul trio in their new music video "Get Away," the first single from Spacek's new CD, "Curvatia."
http://www.video-c.co.uk/spacek/launch.html?afl=aapl

Mambo the Night Away. And the day, too, if you'd like. To listen to some of the world's top DJ's streaming dance music nearly non-stop--16 hours a day-- from Mambo, Ibiza, turn your QuickTime dial to ibizaMix.com.
http://www.ibizamix.com/listen.php

They just released their first single, and they'd like you to hear it. So why not enjoy a little "Perfect Bliss" with Bellefire? Click on "audio/visual," then on the video tab to access Bellefire's QuickTime content:
http://www.bellefire.co.uk/bellehome-page.htm

If you missed attending Sweden's Hultsfred Festival this past June, you can now tune in to highlights of the festival's best in the genres of indie, rock, and dance.
See interviews and performances by artists including Faithless, Maniacs, Rocket From the Crypt, The Latin Kings, Backyard Babies, and the multitudes of other stars who helped make Hultsfred Sweden's biggest music event of the year.
http://www.hultsfred.tv

Keep track of the latest music events by visiting:
http://www.apple.com/quicktime/hot-picks/

3. QuickTime Hot Picks

For a quiet change of pace in Internet film fare, see the Silent Comedy QuickTime Cavalcade, featuring slapstick scenes from classic vintage films. Funnymen include Buster Keaton, Harold Lloyd, Charlie Chaplin, as well as comics rarely seen, including Harry Langdon, Max Lindner, Mabel Normand, and Roscoe "Fatty" Arbuckle, whose career was cut short (and most of his films destroyed) after a torrid sex scandal and tragic death. You can also view clips of the Little Rascals in the Our Gang comedies. O-tay!
http://silent-stars.com/Slapstick/home.html

4. Trailer Park

Look closely while viewing the trailer for the just-released "Final Fantasy: The Spirits Within." You're watching what could be the future of film, featuring the most lifelike and photo-realistic renderings of humans in an animated film. That's right, none of those "actors" are real. They're all computer-generated. In fact, the animators took pains not to make them look "too" real.
The action/sci-fi thriller takes place in the year 2065, 30 years after a meteor

has crashed into Earth. Dr. Aki and her partner Gray team up with a rag-tag group of soldiers to save the planet from dragonlike alien wraiths that have invaded Earth.
"Final Fantasy: The Spirits Within" features the voices of Ming Na ("Mulan," "E.R.") and Alec Baldwin, along with Donald Sutherland, Steve Buscemi, and Ving Rhames. The film is now open in U.S. theaters everywhere.
http://www.apple.com/trailers/columbia/final_fantasy/

Imagine using such esoteric items as laundry equipment, a flag, or even a billiard ball as deadly weapons. In "Kiss of the Dragon" Jet Li does just that, astounding us with his martial arts skills (and creative use of props) in the film's imaginative fight sequences.
Li portrays Liu Jian, a Beijing intelligence officer on temporary assignment in Paris to help French police take down a heroin kingpin. But after he's double-crossed, Liu Jian finds himself framed for murder and forced to run for his life.
You can see "Kiss of the Dragon," which co-stars Bridget Fonda, in U.S. theaters right now.
http://www.apple.com/trailers/fox/kiss_of_the_dragon/

5. Exploring the Battlefields of Gettysburg

The lure to visit Civil War battlefields was just too powerful for photographer Jan Faul to ignore. His ancestors had been Union soldiers, and his great-great grandfather even wrote a book about his experiences in the war.
Inspired by a visit to Gettysburg, PA, Faul used his Noblex camera to create a series of panoramic images exploring the landscapes and emotions of this most notorious of Civil War battlefields.
The photo gallery, presented by Washingtonpost.com, includes a dozen of Faul's images, audio commentary by the artist, and full-screen zoomable versions of the panoramas in QuickTime VR.
http://washingtonpost.com/battlefield-parks

6. QuickTime Travel Corner

Got a summer vacation on the hori-

zon? Or maybe you just wish you did. Either way, QuickTime VR can help you preview a destination for a real trip, or let you visit places all over the world virtually, right from your desktop.
Take, for example, the San Francisco Bay area--always a prime target for tasteful tourists. iNetours.com lets you explore about a dozen of the city's most popular and picturesque neighborhoods and landmarks in a series of dazzling panoramas.
http://www.iNetours.com/

Or you can travel north of the city to California's famous wine country.

VineSwinger.com's winery tours let you beat the traffic and the crowds by visiting virtual vineyards from the comfort of your home. The only thing missing is the wine, but you can always supply your own. You might even throw a tasting party using the tips from the site and let your guests tour the wineries from your computer while they sip and sample.
http://www.vineswinger.com/cfm/tours/map.cfm

And if it's a cross-country road trip you're after, nothing beats the luxury and convenience of a modern recreational vehicle. Take a virtual walk through Winnebago's 2000 and 2001 cushy coaches to see what creature comforts can roll with you on the highway.
http://www.winnebagoind.com

7. Quick Takes

For a decidedly dark peek through the looking glass, watch the trailer for "American McGee's Alice," the new action/adventure game from Electronic Arts.
http://www.apple.com/games/trailers/alice/

The popular game show "Wheel of Fortune" is now in its 26th year, making it one of the longest-running (and spinning) game shows on TV. Check out sets from past shows and poke around the prizes, the audience, and the staff working behind the scenes.
http://www.spe.sony.com/tv/shows/wheel/mult/virtual_tours/virtual_tours_main.html

Got a great example of QuickTime to show us on the web? We'd love to

mini'app'les
Handy Form

Name: _____
Company (if mailed to): _____
Address: _____

City, State, Zip: _____
Phone (Home): _____ (Work): _____
Occupation: _____ ☐ Check if this is a
Member ID# (if applicable): _____ address change.

Yes..
I'd like to join!

If this is a new
membership or a
renewal, please
take a few minutes
to fill out this
questionniare

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 _____

Please list the five software packages you use most often:
_____
_____
_____
_____
_____

☐ 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.

Macintosh & Apple II eDOM Orders

Please allow up to 6 weeks for delivery

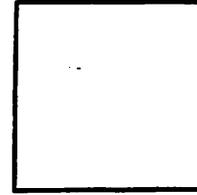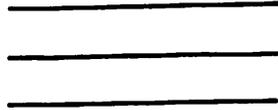| Disk Size	eDOM #	Title or Description	Qty.	Price @	Total

	Total Merchandise	
	Add $1/Disk for Shipping ($4.00 Max)	
	GRAND TOTAL	

Make Checks Payable to "mini'app'les"

Disk Prices

	Members	NonMembers
5.25" eDOM or System Disk:	$1.00	$2.00◊
3.5" eDOM:	$5.00	$10.00
Mac System 7.0.1 (9 Disks):	$15.00	N.A.
GS/OS 6.0.1 (6 Disks):	$10.00	N.A.
3.5" System Disks(All Other Systems):	$2.00/Disk	N.A.

(Price includes 6.5% MN Sales Tax)
◊NonMembers cannot buy System Disks

Last Fold – Seal with Tape

_____

_____

Attention:
□Membership Director
□Software Director

Mini'app'les
P.O. Box 796
Hopkins, MN 55343-0796

2nd fold

1st fold

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

August Photoshop / Digital Imaging SIG

Submitted by Gary Eckhardt

The August meeting will be held at 7:00 pm at the Washburn Library, 5244 Lyndale Ave So, Mpls.

If you have questions about the meeting, please contact Gary Eckhardt at (952) 944-5446.

Main Mac meeting

Submitted by Les Anderson

The next Main Mac meeting will be on August 9, 7:00 PM at the Washburn Library. We will have a demo of a new financial program called MONEYDANCE. This is a program similar to QUICKEN. Come and see the pros and cons.

For a screen shot go to: http://www.apple.com/macosx/applications/moneydance/

In September we plan to have representives from Apple to tell us about the new store at the Mall of America.

For Sale

Memory and Touchpad For Sale 32 MB 168 pin DIMM (from G3 mini-tower), $7.50; 64 megabyte 168 pin DIMM, $12.50; ALPS Glidepoint (touchpad for a Mac with an ADB connector), $5.00. Contact Pam or Harry Lienke on the BBS, at plienke@aol.com, or 651-457-6026.

Benefits of your mini'app'les membership include:

A one year subscription to our monthly Newsletter

A free account on the mini'app'les BBS (45 minutes/day)
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 with the above benefits.

mini'app'les newsletter
Box 796
Hopkins, MN 55343
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mini'app'les membership card

EXPIRES: Life ID# 160

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