







\$3

Volume 29, Issue 3



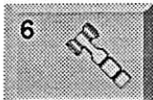
mini'app'les newsletter

the minnesota apple computer users' group, inc.

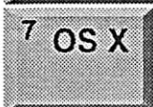
M A R C H 2 0 0 6						
SUN	MON	TUE	WED	THU	FRI	SAT
			1  6:30	2	3	4
5	6  7:00	7 OS X 7:00	8  7:00	9	10	11
12	13	14 	15	16 	17	18
19	20	21	22	23 	24	25
26	27 Q&A 7:00	28 Mac Main 7:00	29	30	31	



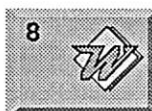
AppleWorks SIG
 Augsburg Library 6:30 PM
 7100 Nicollet Ave S, Richfield
 John Hunkins, Sr. 651-457-8949
 hunkins@mac.com.



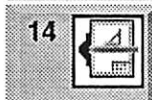
Board of Directors
 mini'app'les members welcome
 New Brighton Family Center
 400 10th St..N.W. New Brighton
 Tom Gates 612-789-1713



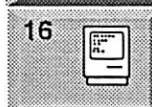
OS X SIG
 The Foundation
 219 Second Street North Suite 200
 Minneapolis, MN 55403



Microsoft Word SIG
 Eagles lodge
 9152 Old Cedar Ave. Bloomington
 Tom Ostertag, D 612-951-5520 E
 651-488-9979



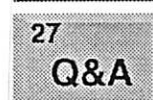
VectorWorks SIG
 CJR Office
 7805 Telegraph Road Suite 220
 Charles Radloff 952 941 1667



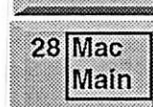
Macintosh Consultants SIG
 Perkins 7:00 AM
 6920 Wayzata Blvd
 Golden Valley
 Bob Demeules, 763-559-1124



FileMaker Pro SIG
 Megaclean
 769 Kasota Ave. S.E.
 Minneapolis MN 55414
 Steve Wilmes 651-458-1513



Macintosh Q & A SIG
 Questions & Answers
 Merriam Park Library
 1831 Marshall Avenue St. Paul
 Les Anderson 651-735-3953



Mac Main SIG
 Southdale Library
 7001 York Avenue South,
 Edina, MN 55435
 Craig R. Arko



mini'app'les

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

Board of Directors:

President	Tom Gates 612-789-1713 tgates@isd.net
Vice President	Bert Persson 612-861-9578 skallgang@yahoo.com
Secretary	Jim Nye 763-753-3899 nyej@lycos.com
Treasurer	Don Walz 651-426-5602
Marketing Director	Greg Buchner 952-883-0195 gbuchner@mn.rr.com
Publications Director	John Pruski 952-938-2818 johnpruski@aol.com
SIG Director	Craig Arko 612-379-0174
Director at Large	Les Anderson 651-735-3953 anderslc@usfamily.net
Membership	Erik Knopp
Apple II	Owen Aaland

Introduction – This is the Newsletter of mini'app'les, the Minnesota Apple Computer Users' Group, Inc., a Minnesota non-profit club. The whole newsletter is copyrighted © by mini'app'les. Articles may be reproduced in other non-profit User Groups' publications except where specifically copyrighted by the author. (Permission to reproduce these articles must be given by the author.) Please include the source when reprinting.

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 tostertag@usfamily.net

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 – Internet only access

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

mini'app'les e-mail: miniapples@mac.com



The mini'app'les Newsletter is an independent publication not affiliated, sponsored, or sanctioned by Apple Computer, Inc. or any other computer manufacturer. The opinions, statements, positions, and views herein are those of the author(s) or editor and are not intended to represent the opinions, statements, positions, or views of Apple Computer Inc., or any other computer manufacturer. Instead of placing a trademark symbol at every occurrence of a trade-marked name, we state that we are using the names only in an editorial manner, to the benefit of the trademark owner, with no intention of infringement of the trademark.

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

April 2006 Preview	3
Members Helping Members	4
Miniapples Directors Meeting January 2, 2006	5
Computerworld: Hands-on with the Intel iMac.....	5
Core Duo iMacs debut speedy new chips	7
Membership Application	9-10

April 2006 Preview

Here is the tentative calendar of our Special Interest Group (SIG) meetings for April 2006. Please pencil these events on your calendar. As always, when doubtful of a SIG date, time, or location, confirm with one of the following:

- At www.miniapples.org
- The cognizant SIG Leader

Monday	April	3	Board of Directors meeting
Tuesday	April	4	OS X SIG
Wednesday	April	5	AppleWorks SIG
Tuesday	April	11	VectorWorks SIG
Wednesday	April	12	Microsoft Word SIG
Thursday	April	20	Macintosh Consultants
Monday	April	24	Mac Q & A SIG
Tuesday	April	25	Mac Main SIG
Thursday	April	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.

Apple II / IIGS Software & Hardware	1, 5, 7	1. Les Anderson	651-735-3953	DEW
AppleWorks / ClarisWorks-Draw	6, 7, 8	2. Mike Carlson	218-387-2257	D
Classic Macs		3. Eric Jacobson	651-645-6264	D
Cross-Platform File Transfer	5	4. Nick Ludwig	612-593-7410	DEW
FileMaker Pro		5. Tom Ostertag	651-488-9979	EW
FirstClass		6. Owen Strand	763-427-2868	D
iMacs	12,	7. Bruce Thompson	763-546-1088	EW
iPhoto / iTunes / iMovie		8. Pam Lienke	651-457-6026	EW
Mac OS Classic	7, 12	9. Tom Lufkin	651-698-6523	EW
Mac OS X		10. Gary Eckhardt	952-944-5446	EW
MacWrite Pro	11	11. R. J. Erhardt	651-730-9004	DEW
Microsoft Excel	2, 5, 13,	12. Richard Becker	612-870-0659	EW
Microsoft Word	5,	13. Ardie Predweshny	612 978-9774	DEW
MYOB	13	14. Charles Radloff	952-941-1667	D
Networks		D: Days, generally 9 a.m. to 5 p.m.		
New Users	1, 9, 12	E: Evenings, generally 5 p.m. to 9 p.m.		
PhotoShop	3, 10	W: Weekends, generally 1 p.m. to 9 p.m.		
PowerBooks / iBooks	12,			
Power Macs				
Quicken	2, 13			
QuickBooks and QuickBooks Pro	13			
WordPerfect	4			
VectorWorks	14			

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.

mini'app'les will accept all ads for publication that do not affect our nonprofit status, or the postal regulations dealing with our nonprofit mailing rates. Examples of ads that will be rejected are; but not limited to, ads that:

1. endorse a political candidate or cause
2. attack a person or cause
3. are in "bad taste" (x rated or similar)
4. expound or demean a religion or practice.

Ads should be for a product or service. Because of our nonprofit mailing rates we must limit ads that are not related to computers.

Mail inquiries to: PO Box 796, Hopkins, MN, 55343
Phone inquiries to: John Pruski, 952-938-2818

Miniapples Directors Meeting Minutes January 2, 2006

Submitted by Jim Nye

Present: Les Anderson, Tom Gates, Erik Knopp, Jim Nye, Bert Persson, John Pruski.

Approval of the Agenda: No agenda presented.

Approval of the Minutes : Minutes approved with several corrections.

Treasurers Report: No report , Treasurer Walz not present due to misunderstanding when meeting was to be held.

OFFICERS AND COORDINATORS REPORTS

President Gates: The IRS matter is still pending, President Gates and Don Walz will meet with the IRS to try to

resolve the matter.
Vice President Persson: The meeting room for the annual meeting has been set with the Southdale Library.

Secretary Nye: Nothing to report.

Publications Director Pruski: Everything is going well.

Director at Large Anderson: Photoshop SIG schedule is now updated on the web.

Membership Erik Knopp- Member count was 204, but will be 196 if we leave off members whose terms are expiring.

OLD BUSINESS

Auction: Results were down this year, because the club accepted only equip-

ment that would run on USB & OS X. As a result , we didn't get as large a number of donations.

Annual meeting: An attempt was made to contact Mike Evangelist, to be a speaker at the annual meeting. We have received no response from him. Group discussed others who we could contact about speaking at the meeting.

State Fair Booth will be brought to the attention of the group at annual meeting to see if there is any interest in club having a booth at the State Fair.

MEETING ADJOURNED- Next meeting February 6, 2006 at the New Brighton Community Center

Some notes from our Annual Meeting

Submitted by Bert Persson

This year our annual meeting was held on February 11 at the Southdale library in Edina. This year our meeting started with refreshments and some tasty Greek hors d'oeuvre which were certainly appreciated when we got to the nominations.

After some arm twisting we managed to get the following list of names for next years board of directors:

President: Tom Gates (I)

Vice President: Bert Persson (I)

Secretary: Harry Lienke

Treasurer: Don Walz (I)

Marketing Director: Chuck Hauge

Publications Director: John Pruski (I)

Sig Director: Kevin Strysik

(I) = Incumbent

The ballot for the election will be in the April newsletter

By this time it was time for lunch and this year we continued with our Greek theme and had some Gyros delivered along with olives, feta and all the other familiar Greek food.

This year our main presenter was Julio Ojeda-Zapata from the St. Paul Pioneer Press and his friend Jim who writes for MacWorld. For the meeting they brought along a new iMac with the Intel based processor. In addition our Apple user group representative Sandy Foderick brought a lot of hardware, software and t-shirts to give away. This was an interesting and informative presentation that no one should have missed.

Throughout the years our annual meeting has been a pleasant event for our members to get together in an informal social setting with presentations, food and drink. Hope to see you all next year, remember this is also a family event.

Last but not least thanks for all of you who stayed around and helped.

Computerworld: Hands-on with the Intel iMac

By Ken Mingis, Computerworld

Quick Mac riddle: What looks like an iMac G5, sounds like an iMac G5 when it starts up, and feels faster than a Power Mac G5?

Answer: The new Intel-based iMac that arrived recently from Apple so I could get some hands-on time with the company's first Mactel machine—at least until those new (and newly renamed) MacBook Pro laptops arrive

later this month.

For now, those interested in an Intel experience with an Apple flair will have to make do with the new iMac, unveiled by Apple CEO Steve Jobs to much fanfare last month. Two models are available: the 17-inch version, which sells for \$1,299 and has the Intel Core Duo 1.83GHz chip inside, and the larger, 20-inch version, which goes for \$1,699 and has a slightly faster 2GHz Core Duo processor. Both

come with 512MB of PC2-5300 (667 MHz) DDR2 RAM and either a 160GB or 250GB hard drive. And both ship with Apple's two-button mouse, in and of itself a nice addition.

So how does the new iMac fare in regular use? This latest generation of Apple's all-in-one runs circles around its predecessor—most of the time.

Just how fast is the new iMac? We're talking about a start-up time from

Mac chime to desktop of just 23 seconds. That's faster than my own Power Mac G5 with dual 2.7-GHz processors. Apple apps like Safari and iPhoto start up before their icons have bounced twice in the dock. In fact, this iMac is faster on those admittedly informal benchmarks than any Mac I've ever played with—I mean, used.

iMac Core Duo

Now, I realize start-up times do not a user experience make. But they are an indicator of the potential for Apple as it moves its hardware line over to Intel processors during the year ahead. And as is often the case with such transitions, there are a few speed bumps. In this case, that would be all of the programs that have yet to be rewritten as "universal" apps that can run on the Intel hardware as well as on Apple's older G3, G4 and G5 processors.

To deal with the transition, Apple created Rosetta, the nifty translation software now built into Mac OS X. Plain and simple, Rosetta allows programs coded for PowerPC processors to run on the new iMacs seamlessly, albeit a bit more sluggishly. It is, after all, emulation software, and it does exact a speed penalty.

There'll be more about that in Part 2 of my iMac review—after I've had a chance to work with programs not yet recoded as universal apps.

For now, Apple officials are rightfully choosing to accentuate the positive when it comes to the new iMac. In a recent interview, Tom Boger, senior director for desktop product marketing at Apple talked up the iMac's Core Duo 2GHz processor. In essence, the dual-core chip gives the iMac two processors on the same bit of silicon, which makes for speedy computing when used with programs designed to take advantage of all that processing power—like Mac OS X and many of Apple's own programs.

The biggest change in the new iMac "first and foremost is the processor," Boger said. "I think the key there with the Intel Core Duo, what makes it unique in the marketplace [is that] it's giving us this dual-core

performance. But unlike other dual-core processors, it does so with low power consumption."

Low power consumption equals low heat, which means the iMac's cooling fans don't need to run as often, resulting in a quiet machine, he said.

"The other benefit is the performance," Boger said.

He pointed to Apple tests that showed the iMac to be two to three times faster than earlier models in integer and floating processor benchmarks: "We tested it two ways. We ran industry-standard benchmarks. SPEC has two types of tests—the integer [test] was three times faster, and floating point was twice as fast. That shows the potential of what the architecture can do."

Other iMac owners have reported online that while the new hardware is noticeably faster when using Apple's universal apps, it's not two or three times faster than its predecessor. Asked about that disparity, Boger said: "This was a process, not a point in time. We got our hands on about six different universal apps in some cases the public hasn't. These apps represent all kinds of things. Virtually every day now people are announcing their plans for universal apps. I'm very confident [users are] going to start seeing performance that's impressive."

He noted that a still-unreleased version of Doom 3 was 2.3 times faster in terms of frames per second than it was on earlier iMacs, and said that photo-editing features in iPhoto, such as converting a picture from color to black and white, is twice as fast. Safari, Boger said, loads pages 1.6 times faster than on earlier hardware, while Apple's Pages application is 1.9 times as fast.

The speed increases are the result of more than just the addition of the Core Duo processor. Apple has also beefed up the video RAM with the ATI X1600 video card and faster RAM. And as has been the case for years, Mac OS X itself is designed to take advantage of multiple processors, Boger said.

"We've been shipping dual-processor Macs for quite some time now," he said. "So Mac OS X has been designed from the ground up to take advantage of dual processors. That was an advantage right from the beginning. A key difference is that this version of Mac OS X is native on Intel. I'm talking about the entire operating system, every [Apple] application, every utility, they are all native now.

"Developers are almost on a daily basis making announcements on their universal apps. We're obviously just trying to work with them [to release universal applications] as quickly as possible," he said. "It just takes time for the [developer] community and engineers to become familiar with the new architecture."

Until that happens, Boger said, "Rosetta, obviously, is absolutely key technology. It's the software translation technology [that] ships with every iMac and allows our customers to transition [to Intel-based Macs]. It just runs like you'd expect; there's no user interface change."

One change from the previous iMac is that Apple now recommends users who want to change their hard drive—or make other under-the-hood upgrades—get a qualified service provider to do the work. Owners can still easily access the iMac's RAM slots, which are located behind a small door at the base of the machine.

Note to would-be iMac owners: Spring for more RAM. Although the iMac comes with 512MB installed, adding another 512MB or even a 1GB module, will make using Apple's Mactel machine even more enjoyable.

So at first glance, is the new iMac all it should be? I'd say yes, although if you're heavily dependent on non-universal apps, you might want to wait until your favorite must-have program has been recoded. Of course, if you're like me, waiting will be the hardest part. And should you decide to plunk down your money now at the nearest Apple store, well, you won't be disappointed when you get your new iMac home.

Core Duo iMacs debut speedy new chips

They aren't twice as fast, but they're plenty fast at most tasks

By Henry Norr

In Brief Complete Summary of Each Product Below

17-inch iMac Intel Core Duo/1.83GHz
Price as rated: \$1,299

20-inch iMac Intel Core Duo/2GHz
Price as rated: \$1,699

What's an Intel chip doing in an iMac? Almost exactly the same things PowerPC chips do in older models—just faster on some tasks and, for now, slower on others.

As Steve Jobs noted when he rolled out the new iMacs, they have a lot in common with their G5-based predecessors: the same strikingly elegant, space-saving design; the same basic features; and the same prices—\$1,299 for an iMac with a 17-inch screen

Most important, the software on new iMacs looks and feels just like what you're used to. Apple has provided new versions of Mac OS X (currently 10.4.4) and its iLife apps that run on the Intel processors, but to the user they're identical to the PowerPC versions for other Macs. And most third-party programs written for OS X on PowerPC also run on the new machines, thanks to a clever technology that Apple calls Rosetta.

The big difference, in theory, is speed. According to Apple's benchmark tests, the Intel iMacs are roughly twice to three times as fast as the last G5 models. Macworld Lab's real-world tests, however, reveal a more complex reality, in which speed varies widely depending on what software you're using.

Over time, as programs are updated, the Intel-based iMacs should gain a wider performance lead over their PowerPC-based predecessors. If you're thinking of buying now, stop to consider the tradeoffs.
Intel inside

Intel's advanced manufacturing technology enables the company to put two complete processors on a single slice of silicon—that's where the Duo part of the name comes from. (Intel

has also announced new single-engine chips called—you guessed it—Core Solos, which might show up in future iBooks or other Mac models.) PowerPC maker IBM used the same dual-core approach to increase performance in the G5 processors Apple currently ships in its Dual and Quad Power Mac models, but those chips use too much power and generate too much heat for the close quarters of an iMac or a laptop—one big reason Apple switched from PowerPC to Intel processors.

With clock speeds of 1.83GHz in the 17-inch iMac and 2GHz in the 20-inch model, the Core Duos actually run a shade slower than the 1.9GHz and 2.1GHz G5s in the previous iMacs. The new chips perform better, though, not only because they have two processing engines but also because they include 2MB of Level 2 cache memory—four times as much as the previous iMac G5s had.

The off-processor memory in the new iMacs is also fast—in fact, at 667MHz, it's the fastest main memory ever shipped in a Mac, faster even than that of the Power Mac Quad. (Technically speaking, it's PC2-5300 DDR2 SDRAM, and it comes on a notebook-style module called a SODIMM.) There are two easily accessible memory slots, one of which is filled with a 512MB module in the standard configurations, and the system can accommodate a maximum of 2GB.

The iMacs' video subsystem now features the Radeon X1600, ATI Technology's latest midrange graphics processor, replacing the aging X600. In both iMac configurations 128MB of video RAM remains standard, but for an extra \$75 you can order the 20-inch model with 256MB.

In addition, both new models have a mini-DVI port through which, with the appropriate \$19 adapter, you can attach a VGA, S-Video, or composite monitor, or a DVI display such as an Apple Cinema Display (up to 23 inches only). You're no longer limited to mirroring, either—the new models also support extended-desktop mode.
Apple outside

In other respects, the new iMacs match the iMac G5s introduced last October. As before, the two models come standard with, respectively, 160GB and 250GB hard drives (both 7,200-rpm Serial ATA devices), and both have an 8x SuperDrive with double-layer support. For communication, AirPort Extreme (now with support for 802.11a, 802.11b, and 802.11g), Bluetooth 2.0, and Gigabit Ethernet are built in, but a modem is not. The computer has three USB 2.0 and two FireWire 400 ports. Its audio jacks support both analog and digital optical output, but only analog input. Apple's wired Mighty Mouse is included.

Two nifty features added to the previous iMacs, the compact Apple Remote Control and the iSight camera built into the bezel above the screen, are also unchanged.
Compatibility and performance

All the Apple software that ships with the new iMacs is fully native on the Intel processors—that is, the code was recompiled for the new chips, so there's no need for translation or emulation. (Some of the third-party applications bundled with the iMac—Quicken 2006, for example—are not fully native; others, such as Omni Outliner, are.) Only a handful of third-party developers, however, had native versions of their programs available in time for the iMac launch. Major companies such as Adobe and Microsoft weren't even ready to announce target dates for updates of their programs. Apple said it wouldn't have Universal versions of its own pro applications (Aperture [3.5 mice], Final Cut Studio, and Logic Pro [4.5 mice]) until March 31.

By late January, the number of available Universal programs—that is, programs with native code for both PowerPC and Intel processors—was approaching 500, according to Apple's count. But many of them were relatively minor programs or shareware utilities (click here to search Apple's list of Universal apps).

Even without Universal updates, most up-to-date Mac software runs on the new iMacs anyway, because Rosetta, a feature built into OS X for Intel Macs,

automatically translates PowerPC instructions into their Intel equivalents. On the whole, it works amazingly well, but there are some important caveats.

First, Classic software—programs written for Mac OS 9 and earlier—won't run on the new iMacs. Neither will third-party preference panes and kernel extensions for OS X—categories that include many device drivers, such as those for Microsoft's keyboards and mice. Many PowerPC Mac games, Microsoft's Virtual PC (4.0 mice), current versions of

Apple's pro apps, and other programs that require very high performance or depend on precise timing, don't start up at all or run hopelessly slowly on Rosetta.

Second, programs that do run on the translator generally work at roughly half the speed they deliver on PowerPC processors. With today's hardware, that's not nearly as bad as it may sound—after all, half of 2GHz is 1GHz, and most programs run acceptably to most users on 1GHz machines. In fact, I scarcely noticed the slowdown when using Microsoft Office on the Intel iMacs; Photoshop CS2 was less responsive than on recent PowerPC Macs, but not painfully so.

On the other side of the ledger, the new iMacs definitely feel quicker when you're running native applications, whether from Apple or other developers. Though you'll rarely if ever experience Apple's touted "2 to 3x faster" performance, booting up is much faster, Web pages visited with Safari snap to the screen, and our tests with a beta Universal version of id Software's Doom 3 showed a huge increase in frames per second (see the benchmark chart). With the native

iLife '06 applications, performance on the Intel iMac was better, but in most cases not dramatically so; in a few of our tests, the new machines actually lagged behind the 2.1GHz G5 iMac.

Like their immediate predecessors, but unlike the first-generation iMac G5s back in 2004, the new machines are not user-serviceable—meaning you cannot do simple hardware repairs yourself. And there are some other items on my hardware wish list: a

stand design that allows height adjustment; more memory capacity (at least 4GB); a higher-resolution, more flexible iSight camera; and perhaps a FireWire 800 port. On the software side, users who don't own Microsoft Office may be disappointed to learn that AppleWorks is no longer

BENCHMARKS			
UNIVERSAL	iMac Core Duo/2GHz	iMac Core Duo/1.83GHz	iMac G5/2.1GHz
Startup	0:23	0:25	0:46
iMovie 6: Apply 3&W Effect	1:45	1:54	3:11
iMovie 6: Apply Rain Effect	2:05	2:12	2:43
iPhoto 6: Import 100 Files	0:53	0:55	1:22
iPhoto 6: Export to QuickTime	1:08	1:12	1:31
iPhoto 6: Export to File	2:55	3:06	2:40
Finder: Create Zip Archive	2:32	2:44	2:53
Doom 3 v1.3.1303: Universal Beta Demo 1	35.9	27.3	17.0
iTunes 6.0.2: MP3 Encode	1:14	1:20	1:23
iDVD 6: Save as Disk Image	13:55	14:47	16:25
ROSETTA			
Adobe Photoshop CS2: Suite	2:50	3:02	1:16
Microsoft Word Scroll: Scroll	1:58	2:05	0:57

Best results in red.

All scores are in minutes:seconds, except for Doom 3 test which is frames per second. All systems were running Mac OS X 10.4.4 and had 512MB of RAM. The G5's processor performance was set to Highest in the Energy Saver preference pane. Using iMovie, we applied 2 different video effects to a 1-minute movie, one at a time. We imported 100 JPEG photos into iPhoto and then exported them as a QuickTime movie and as files, resized to a maximum of 2,000 by 1,500 pixels. We created a Zip archive from a 1GB folder in the Finder. We ran the Demo 1 test on a beta Universal version of Doom 3, which was set to use Ultrahigh graphics at a resolution of 1,024 by 768; all advanced options were set to Yes except for vertical sync and antialiasing. We converted 45 minutes of AAC audio files to MP3 using iTunes' High Quality setting. We saved an iDVD project containing a 6:46 movie as a disk image. The Photoshop Suite test is a set of 14 scripted tasks using a 50MB file. Photoshop's memory was set to 70 percent and History was set to Minimum. We scrolled through a 500-page document using Microsoft Word.—Macworld lab testing by James Galbraith and Jerry Jung

All scores are in minutes:seconds, except for Doom 3 test which is frames per second. All systems were running Mac OS X 10.4.4 and had 512MB of RAM. The G5's processor performance was set to Highest in the Energy Saver preference pane. Using iMovie, we applied 2 different video effects to a 1-minute movie, one at a time. We imported 100 JPEG photos into iPhoto and then exported them as a QuickTime movie and as files, resized to a maximum of 2,000 by 1,500 pixels. We created a Zip archive from a 1GB folder in the Finder. We ran the Demo 1 test on a beta Universal version of Doom 3, which was set to use Ultrahigh graphics at a resolution of 1,024 by 768; all advanced options were set to Yes except for vertical sync and antialiasing. We converted 45 minutes of AAC audio files to MP3 using iTunes' High Quality setting. We saved an iDVD project containing a 6:46 movie as a disk image. The Photoshop Suite test is a set of 14 scripted tasks using a 50MB file. Photoshop's memory was set to 70 percent and History was set to Minimum. We scrolled through a 500-page document using Microsoft Word.—Macworld lab testing by James Galbraith and Jerry Jung Room for improvement

included; though iWork '06 is, it's only a 30-day trial version. Macworld's buying advice

If you already have a recent Mac, there's no particular reason to rush out and buy an Intel-based iMac today—you won't find the computing experience all that different. Even if you're due for new hardware, don't buy a new iMac now if you run software that doesn't yet run on the Intel-based iMacs. And if you're still not ready to give up Classic software, either stick with what you have or go out and buy a G5 iMac—while they last.. But for other users, there's no reason to hesitate: the Intel-based iMacs are already great machines, and they'll only get better. Spring for the \$1,699 model if you can afford it—the extra disk capacity and screen real estate easily justify the extra cost.

[Henry Norr is a former editor of MacWeek He has been reviewing Mac systems since 1986.]



mini'app'les

The Minnesota Apple Computer Users' Group, Inc.
P.O. Box 796, Hopkins, MN 55343-0796

Membership Application, & Renewal Form

Name: _____
Company (if mailed to): _____
Address: _____ _____
City, State, Zip: _____
Phone # (Home): _____
Phone # (Work): _____
Phone # (cel-phone): _____
Occupation (if Applicable): _____
Membership ID # (if Renewal): _____
e-mail: _____
<input type="checkbox"/> Check if OK to contact you by e-mail.
<input type="checkbox"/> Check if this is a change of address notice.
<input type="checkbox"/> Check if you are interested in volunteer opportunities.
<input type="checkbox"/> Check if you want your name added to Members Helping Members List.
<input type="checkbox"/> Check if you want your name withheld from commercial and other non-club mailing lists.
<input type="checkbox"/> Check if you were referred by a club member (if so give members name).

New Members & Renewing Members

Specify your level of support:

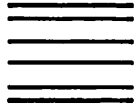
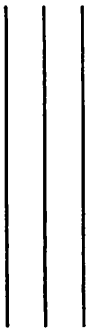
- \$25.00 One Year
- \$45.00 Two Year
- \$60.00 Three Year
- \$15.00 Student One Year*(must be a full-time student at an accredited institution)
- \$100.00 Corporate One Year

Please Make
Your Checks Payable to:
mini'app'les

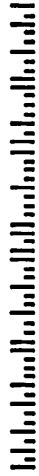
Please address
Your Payment to:
mini'app'les
P.O. Box 796
Hopkins, MN 55343-0796

Thank You for your support!

Last Fold - Seal with Tape



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



1st fold

plqf pnc

2nd fold

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

Apple House FOR RENT!!

Furnished 4 bdrm 2200 sq. ft. house in Maplewood with canoe access to Keller, Phalen, Gervais, Kohiman, and Round Lakes, available in August for a year. Large wooded lot on private cul-de-sac near golf, tennis and parks. With vegetable and flower gardens, fruit trees, alarm system, wood burning fireplace (with firewood!), piano, two person whirlpool tub, two story great room, central air & heat, hardwood floors, 2 bathrooms, screened porch, canoes, unfussy yard, comcast cable and big attached garage \$1750 / mo + utilities. No smoking or dogs. 651-776-6540, 651-485-8989 or jeff@messaginginboats.com

MHC Computing

Macintosh™ Consulting
Individual & Group Training
Computer Problem Assistance

Mike Carlson

(218) 387-2257 (Grand Marais, MN)

mhcncv@boreal.org

FileMaker®
Solutions Alliance
Member

Searching for **MAC-FRIENDLY**

INTERNET

*Serving Mac
users since 1994*

CALL THE
EXPERTS

AT **NETALLIANCE**



SERVICE?

- DSL
- ISDN
- VPN
- JUNK EMAIL
FILTERING
- HOSTING
SOLUTIONS

952-252-9210 • 952-252-9219 (FAX)
INFO@NETALLIANCE.NET • WWW.NETALLIANCE.NET

Edina Realty®



Dennis Sweet, Realtor®

Mobile: (612) 414-9012

Office: (612) 821-4286

Fax: (612) 827-0373

Email:

DennisSweet@EdinaRealty.Com

Edina Realty

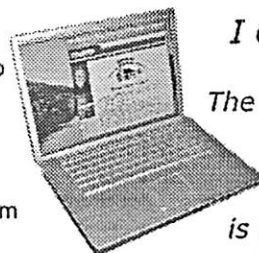
New Minneapolis Parkway Office

5318 Lyndale Ave S.

Minneapolis, MN 55419

Are you on "Safari",
looking for a new home?

I can help!



The best search
engine for
Twin Cities
Real Estate
is available on
my Website:

DennisSweet.EdinaRealty.Com

USFamily.Net

Internet Services

Premium Twin Cities Internet Service
for business and personal use.

All digital all the time.

ISDN or 56k are no extra charge!

100% V.90
DSL available

Unlimited Access.
No busy signals.
Only

\$8.99

Per month



www.usfamily.net info@usfamily.net

1st month free!

WWW, e-mail, etc.
Any speed. No ads.
No gimmicks. No risk.
Simple setup.

Friendly support.
Over 2 year of excellent local
service.

Call now!

**(651)
697-0523**

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 (60 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.

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, Quickeys, Books from Peachpit Press , MacSoft Games & Software, T-shirts and software including Apple OS 10

Periodic special User Group discount offers on equipment and software.

In the past, 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.***



Box 796
Hopkins, MN 55343
ADDRESS SERVICE REQUESTED

Non-Profit Org.
U.S. Postage
PAID
St. Paul, MN
Permit 2537

 **mini'app'les** membership card

EXPIRES: Life ID# 160

DAN B BUCHLER
2601 WOODS TRL
BURNSVILLE MN 55337