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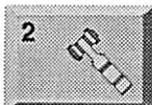
Volume 27, Issue 8



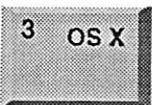
# mini'app'les newsletter

the minnesota apple computer users' group, inc.

AUGUST 2004						
SUN	MON	TUE	WED	THU	FRI	SAT
1	2  7:00	3 OS X 7:00	4  7:00	5	6	7
8	9	10	11  7:00	12	13	14
15	16	17	18 PHOTOSHOP/  7:00 DIGITAL IMAGING SIG	19 	20	21
22	23  7:00	24	25	26 	27	28
29	30	31				



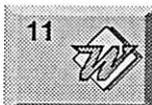
**Board of Directors**  
mini'app'les members welcome  
New Brighton Family Center  
400 10th St..N.W. New Brighton  
Tom Gates 612-789-1713



**OS X SIG**  
The Foundation  
1621 Hennepin Avenue South  
Minneapolis, MN 55403  
Craig Arko 612-379-0174



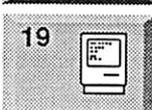
**AppleWorks SIG**  
Penn Lake Library  
8800 Penn Ave S, Bloomington  
John Hunkins, Sr. 651-457-8949  
hunkins@mac.com.



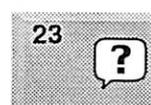
**Microsoft Word SIG**  
Eagles lodge  
9152 Old Cedar Ave Bloomington  
Tom Ostertag, D 612-951-5520 E  
651-488-9979



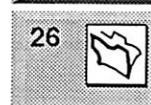
**Multi Media SIG 7 P.M**  
Photoshop-Digital Imaging  
Penn Lake Library  
8800 Penn Ave S, Bloomington  
Gary Eckhardt, 952-944-5446



**Macintosh Consultants SIG**  
Embers 7:00 AM  
7525 Wayzata Blvd  
St. Louis Park  
Bob Demeules, 763-559-1124



**Macintosh Novice SIG**  
Merriam Park Library  
1831 Marshall Avenue  
St. Paul  
Richard Becker, 612-870-0659



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

For the latest information please visit <http://www.miniapples.org>



# mini'app'les

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

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Membership	Erik Knopp
Apple II	Owen Aaland

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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 [tostertag@usfamily.net](mailto: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](mailto:miniapples@mac.com)



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## 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.

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## September 2004 Preview

Here is the tentative calendar of our Special Interest Group (SIG) meetings for September 2004. 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](http://www.miniapples.org)
- The cognizant SIG Leader

Wednesday	September	1 AppleWorks nee ClarisWorks SIG
Monday	September	6 Board of Directors meeting
Tuesday	September	7 OS X
Tuesday	September	14 VectorWorks SIG
Wednesday	September	15 Multi Media SIG
Thursday	September	16 Macintosh Consultants
Tuesday	September	21 Vintage Mac/ Apple SIG
Thursday	September	23 FileMaker Pro SIG
Monday	September	27 Macintosh Novice 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 May 3, 2004

*Submitted by Jim Nye*

**PRESENT:** Les Anderson, John Pruski, Greg Buchner, Bert Persson, Dave Peck, Jim Nye

**ADOPTION OF AGENDA:** agenda adopted.

**APPROVAL OF MINUTES:** Minutes approved.

**TREASURERS REPORT:** NO REPORT, DON WALZ, ABSENT, ill.

**OFFICERS and coordinators REPORT**

President Anderson: nothing to report.

Secretary Nye: nothing to report.

Publication Director Pruski: July and August newsletters will be combined.

Director at large Persson: nothing to report.

**SIG Director Peck:** Brian Bantz is giving up being SIG leader for "Meet your Mac" Meeting. This meeting will be discontinued until a new SIG leader can be found. The "Novice" SIG under Richard Becker will continue.

**UNFINISHED BUSINESS**

**A. MAIN MAC SIG- MARY ANDERSON- DAVE PECK HAS TRIED TWICE TO CONTACT MARY ANDERSON AND HAS NOT heard from HER ABOUT BEING MAIN MAC SIG LEADER.**

**B. CHECKS-** It will not be known until next meeting what signatures will be used on the checking account.

**ELECTION RESULTS**

The ballots were officially counted, tabulated and the following members were elected to the Board of Directors:

President- Tom Gates

Vice President- Bert Persson  
Secretary- Jim Nye  
Treasurer- Don Walz  
Marketing Director- Greg Buchner  
Publications Director- John Pruski  
SIG Director Dave Peck

The amendments to the By Laws were approved by the voters 16 to 0 with two voters abstaining. The Amendments, noted in Item 5 section I of the ballot, pertained to copyright laws, meeting cancellation, yearly audits, Federal Law superceding By laws and the physical address of the club.

Motion made to accept the election results as recorded, seconded , approved.

**MEETING ADJOURNED:** outgoing President Anderson was thanked by members for his outstanding service as President to the club. Next meeting in June will be arrange by incoming President Tom Gates. He will choose the site, location and time of meeting.

## Information and TIPS from Small Dog Electronics

*Submitted by Les Anderson  
Reprinted by permission.*

### Kibbles & Bytes

Our main newsletter is a weekly email publication called Kibbles & Bytes. It contains great deals on Macintosh hardware and software as well as a bit of Macintosh industry news and commentary. This newsletter even has a "Garage Sale" every so often and Don's occasional soapbox ...er, rants on just about any topic! (Emailed weekly on Friday night.) This newsletter is written by Small Dog's CEO, Don Mayer. Here's an excerpt from Kibbles & Bytes #342 that lists some of Apple's "firsts."

Here's a partial list of "Apple Firsts":

1977 - The Apple II was not a "first," but the Apple II was the first "computer for the rest of us." It was the first mass produced COLOR computer, however. The computer remained on Apple's price list until 1980, and was followed by the Apple

II/III Plus, Apple IIe, Apple IIc, Apple IIe Enhanced, and later the Apple IIs which finally left the price list in the late 1980s!

1979 - VisiCalc, the first spreadsheet program, released for the Apple II -- marking perhaps the first time a software product drove hardware sales.

1983 - Lisa (forerunner to Macintosh), first personal computer with a Graphic User Interface

1984 - Macintosh released. First personal computer with dynamic memory allocation, API programming support (the Toolbox), a graphics API (QuickDraw), a global clipboard, Undo feature, and 3.5" floppy disk.

1985 - First personal computer with built-in networking (LocalTalk). Also, the LaserWriter establishes the Mac as the standard for desktop publishing, revolutionizing the print and publishing industry.

1986 - First personal computer with

built-in SCSI (Mac Plus)

1987 - Plug-and-play expansion (Nubus in Mac II)

1987 - HyperCard introduces visual programming; MultiFinder brings multitasking (albeit not preemptive) to the Mac.

1988 - Plug and play SCSI CD-ROM

1988 - The first SuperDrive is introduced. Read/writes to Mac, DOS, OS/2, and ProDOS floppies.

1989 - 32-bit QuickDraw allows Macs to display photo-quality true-color images.

1991 - The first plug-and-play Ethernet networking cards

1991 - Apple petitions the FCC to allow personal computers to exchange information via wireless radio.

1991 - QuickTime, the first standard for dynamic media

1992 - WorldScript, the first world-

wide language support for an operating system

1992 - The Duo is introduced with the DuoDock, code named BOB -- best of both worlds

1992 - QuickTime for Windows makes QuickTime the first cross-platform dynamic media standard.

1993 - ColorSync is the first color-matching technology built into an operating system.

1993 - First personal computers with built-in video digitizers and speech recognition (Quadra and Performa 660AV and 840AV).

1993 - Newton Message Pad introduced -- first handheld full-featured computer

1993 - First unified telephony and email architecture for a personal computer operating system (PowerTalk and PowerShare)

1993 - First personal computer with built-in TV and CD stereo system (Macintosh TV)

1994 - Power Macs debut, become the leading RISC-based personal computers.

1994 - System 7.1 for Power Macs is the first operating system to use emulation to run parts of itself, as well as legacy application software (i.e., the backward-support is done in software).

1994 - First 24-bit color digital camera under \$1000 (QuickTake)

1994 - First next-generation typography engine (QuickDraw GX)

1994 - First panoramic virtual-reality technology for personal computers (QuickTime VR)

1995 - PowerBook 5300 was the first PowerPC notebook and the first to include a sleep-swappable drive bay. Included IR receiver for wireless networking.

1997 - PowerBook 3400 -- fastest portable computer in the world also utilized the 1MB IrDA infra-red standard.

1997 - The 20th Anniversary Mac with integrated TV/Radio system, Bose sound, S-Video input

1997 - Power Mac G3 utilizes the PPC 750 Processor co-designed by IBM and Motorola, and was the first processor capable of using a "backside" cache, which could communicate directly with the processor at extremely high speeds.

1998 - The iMac is introduced. Unique in its lack of floppy drive, the iMac included a 4Mbps IrDA port and an internal 56Kbps modem, used two 12 Mbps Universal Serial Ports (USB) as its only means of external expansion, and included a newly-designed USB keyboard and mouse.

Recent History - AirPort wireless 802.11b was brought to the mass market, Gigabit ethernet standard on personal computers, FireWire 400 and 800, the second coming of the SuperDrive (CD-RW, DVD-R), iSight, AirPort Extreme 802.11g, 64-bit processing, and a host of innovative software products, including the best and most solid operating system on the planet!

## Eds Up!

Eds Up! is Small Dog's academic newsletter. We discuss Macintosh resources for educators and students as well as keep you informed about special pricing available only to Eds Up! readers. Dawn comes up with some great hidden resources for educators and students each week and occasionally steps up on that soap-box, too! (Emailed every other Friday night.) This newsletter is written by Dawn D'Angelillo. Here is an excerpt from Eds Up! #274:

### Spring Cleaning!

Time to get out those lint-free cloths and go to work on your computer both externally and internally! Luckily, this isn't as involved as my grandmother's spring cleaning. (Does anyone beat rugs anymore?) We'll start with the outside of the computer.

Have you been looking at greasy fingerprints on your laptop or LCD

display?

### How to Clean the LCD:

1. Turn off the computer or display. You may need to turn off the computer in order to turn off some Apple displays.
2. Dampen a clean, soft, lint-free cloth or paper with water only.
3. Wipe the screen. Do not spray liquid directly on the screen.

You may also use a mild glass cleaner that contains no alcohol or ammonia.

While there are many commercial products available that will work without damaging the plastics, Apple has tested a product called Klear Screen, made by Meridrew Enterprises, and found it does not cause any harm to the plastics.

Packages of 12 Klear Screen sell for \$9, or you can buy three packages for \$23:

To order:  
<http://www.smalldog.com/product/40942>

### How to Clean the Keyboard

Take care not to spill any liquid on the keyboard. If you do, turn off your computer immediately. Disconnect the keyboard from the computer immediately.

If you spill liquid that is thin and clear, turn off your computer, unplug the keyboard, turn it upside down to let the liquid drain out, and let it dry for 24 hours at room temperature. If after you take these steps the keyboard doesn't work, take it to your Apple-authorized service provider for repair.

If you spill liquid that is greasy, sweet, or sticky, unplug the keyboard and take it to your Apple-authorized service provider for repair.

WARNING: Do not use acetone, alcohol, or any alcohol-based cleaner on your computer. Never spray cleaner

directly onto your computer. Liquid could drip inside the screen or case and cause an electrical shock.

To get crumbs out of your keyboard, you can hold it upside down and give it a few shakes, use a clean brush to try to brush the crumbs out, or use a can of compressed air (be careful though, since these can contain moisture). When we are cleaning grimy, well-used keyboards to prepare them for sale, we use a paper towel sprayed with Simple Green to clean up the keys. Again, don't spray directly on the keyboard.

The best bet for a tidy keyboard is to cover it with a protector. The iSkin protectors do a good job without drastically changing the feel of the keyboard, though it does take some time to get used to the feel.

### Cleaning the Inside of Your Computer

If you aren't in the habit of repairing permissions after installing new software, now is a good time to do this. Occasionally, user permissions associated with files or applications are set incorrectly. Each Mac comes with an application called Disk Utility. Launch that, click Verify or Repair Permissions, and you are all set.

Mac OS X: How to force background maintenance tasks (logs and temporary items)  
<http://docs.info.apple.com/article.html?artnum=107388>

Mac OS X performs background maintenance tasks at certain times if the computer is not in sleep mode. If your computer is shut down or in sleep at the designated times, the maintenance does not occur. In that case, you may want or need to run these manually.

Mac OS X periodically runs background tasks that, in part, remove system files that are no longer needed. This includes purging older information from log files or deleting certain temporary items. These tasks do not run if the computer is shut down or in sleep mode. If the tasks do not run, it is possible that certain log files (such as

system.log) may become very large.

These tasks are scheduled for 03:15 to 05:30 in your computer's local time zone. This is described further in "Mac OS X: Unexplained Disk Activity Produced by "find" Process".

If your computer is normally shut down at night, you may choose to force the process to start manually.

### How to force maintenance tasks

There are two options available to you:

1. Use a third-party application. Some third-party applications allow you to run these tasks whenever you wish. Three examples include: Mac Janitor by Brian R. Hill  
CronMaster by Dan Klein  
weRclean by Parental Advisory  
You can search for these or other solutions at VersionTracker  
<<<http://www.versiontracker.com/>>>.

2. Advanced: Use the terminal.

A. Open Terminal  
(/Applications/Utilities).  
B. Type: `sudo sh /etc/daily`

Optionally, for Mac OS X 10.2 or later, you can use: `sudo periodic daily`.

Tip: Typing "daily" runs tasks normally scheduled for a daily interval. Type "monthly" or "weekly" in place of "daily" to run tasks scheduled for those intervals. Weekly tasks usually require a longer time to run than others.

C. Press Return.  
D. Enter your Admin password when prompted, then press Return.  
E. Quit Terminal when the task is complete.  
<http://docs.info.apple.com/article.html?artnum=107388>

## Tech Tails

From the tech room, this newsletter is full of tips and fun info to make life with your Mac better from the nuts-and-bolts perspective of guys who put Mac systems together and troubleshoot all day long. (Emailed weekly on Tuesday night.)

Tech Tails is written by Troy Kingsbury, Russ White, Jon Spaulding, and Duane Letourneau.

Hard Drive Diagnostics  
by Duane Letourneau (Duane@small-dog.com)

The most common problems here in the Retail Tech Room are with hard drives. Generally a Mac will be brought in with a flashing system folder, a prohibitory sign, or the spinning wheel/pills. I thought that it might be helpful to relay to you the methods I use for diagnosing a bad or corrupted hard drive. A bad hard drive is one that, for one reason or another, has developed a mechanical or electronic problem. A corrupted hard drive's data has been scrambled enough to prevent your Mac from doing its normal startup.

First and foremost, I use my ears. A mechanically damaged hard drive can sound like a game of ping-pong. That sound is often accompanied by groans of pain as someone realizes that his or her hard drive is not working properly. The ping-pong sound is caused by the read-write head actuator motor going from one extent of its travel to another, clanking against the retaining tabs. The recovery probability from this hardware failure is very low, but I have pulled bits and pieces from these drives occasionally.

Another aural clue is the sound of silence. All hard drives have one or more 3.5-inch platters spinning at better than 4200 RPM. The motor spinning the platters makes a distinctive whine while running that, if absent, indicates one of two possible problems. The first problem might be that the electronics on the circuit board attached to the hard drive have failed. The second is that the motor driving the platters may be impeded by friction or has failed spinning all together. I have changed electronics and been able to resurrect some drives, but by and large the motor has failed and there are no chances of recovery.

If your drive spins and doesn't make the ping-pong sound, you probably have some data corruption that can be repaired by Disk First Aid, Disk

Utility, or DiskWarrior. In some cases, a system reinstall is required after the disk repairs because needed system files have been lost.

This is where I can't stress enough that you must copy your valuable data to some kind of offline media, be it a CD-R or an external hard drive. I have not been classically trained for managing the grief associated with data loss, but my work has provided me with plenty of on-the-job training. Do yourself a favor and back up your correspondence, your family photos, your music, or what have you. Professional data recovery services are available, but cost anywhere from \$5,000 to \$20,000 US for their valuable services. Ask us about backup methods and products to save yourself and your data.

## Best in Showroom

Our retail staff have their fingers on the pulse of everything Small Dog by meeting face to face with all our local customers. Each month, they'll bring you up to date on the latest in products as well as the events, classes, and programs taking place at our Waitsfield, Vermont, showroom. (Emailed the first Monday of every month.) This newsletter is written by Rob Berkey and Ed Shepard.

The One, Two, Threes of Selecting a Digital Video Camera  
by Ed Shepard (Ed@Smalldog.com)

## TIP OF THE WEEK OS X AND HARD DISK DEFRAGMENTATION

In last week's newsletter, I answered a question about the optimization process that is run after an application or system update is installed. The letter writer assumed it was hard disk defragmentation, which is understandable; after all, in OS 9, "optimization" was synonymous with "defragmentation." That's not the case, though. The OS X Installer's optimization process performs a task called "prebinding" that helps the application load a little faster. It has absolutely nothing to do with file defragmentation.

There has never been a better time to consider purchasing a new video camera. Prices are coming down, quality is going up, and more features are being added all the time. It can be confusing to find the right camera for your budget and shooting requirements. Here are some tips to help guide your search:

1. Focus: Consider a digital video camera over an analog video camera. Specifically, choose a camcorder that records to the MiniDV format. MiniDV camcorders offer the best combination of price, performance, and flexibility. MiniDV cameras use CCDs (charged coupling devices) to capture light. In general, the larger the CCD, the better the color quality, resolution, and ability to selectively focus. 1/6-inch CCDs are as small as you want to go.

2. Photos: Current MiniDV camera offer the ability to capture still photos. Some create a still frame on the video tape, while others can capture a photo to a removable memory card. You will get better higher-resolution results by using the memory card. If snapping still images is important to you, look for models that can take a memory card. However, no video camera can yet rival the quality of a dedicated still-digital camera. Currently, a \$200 3.2 megapixel still camera will invariably take better photos than a \$5,000 video camera.

3. Features: Look for at least a 10x optical zoom. Digital zoom can be

useful, but it does degrade the quality of the image. Many MiniDV cameras are offering 18x optical zoom and higher. Image stabilization is essential in these cameras. Optical stabilization is preferable to digital stabilization, but both work well. On larger cameras, look for at least a 2.5-inch LCD viewfinder. This can make shooting more fun and flexible, though it does use up the battery faster. Onboard camera microphones can be decent, but for best audio quality seek a camera with an external microphone jack and purchase an external mic. Audio is 50 percent of your video presentation. Look for a camera with analog-to-digital pass-through capability. This feature allows you to transfer your old VHS tapes to your computer for editing and burning to DVD.

Finally, if at all possible, pick up the camera and try it out. The feel of the camera can make a big difference in your selection, especially if you plan on using the camera frequently.

The newsletters are text-based for easy downloading. Subscribe to our newsletters by going to this link: <http://www.smalldog.com/subscribe.html>

All of our archives are online as well: <http://www.smalldog.com/archives.html>

Don Mayer

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After the issue was sent out, I received a number of follow-up questions from readers desperate to defragment their hard disks in OS X. I quickly realized that I should have said more on the subject.

The reality is that there is very little need to defragment your hard disk in OS X. The new operating system simply does a much better job of managing files than its predecessor. Firstly, Mac OS X Extended hard disk formatting avoids reusing space from deleted files as much as possible. Secondly, there has been a fundamental change

in application design. In most cases, files are not appended (or added to) when saving a change; instead, they're completely rewritten. As a result, there is no need to optimize your hard disk unless it is almost completely full.

Apple has posted a Knowledge Base article on the subject at <http://docs.info.apple.com/article.html?artnum=25668> (Thanks to reader Paul Harrop for pointing this out!)



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

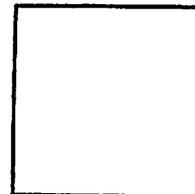
Please Make  
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Thank You for your support!

Last Fold - Seal with Tape

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Attention:  
 Membership Director  
 Software Director

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



2nd fold

1st fold

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**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.**

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