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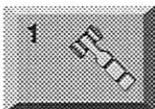
Volume 20, Issue 7



mini'app'les newsletter

the minnesota apple computer users' group, inc.

J U L Y 1 9 9 7						
SUN	MON	TUE	WED	THU	FRI	SAT
		1 7:00	2 6:30	3 7:00	4	5
6	7	8	9	10	11	12 9:30AM DRAGnet see p3
13	14 7:00 7:00AM	15 7:00	16 6:30	17 7:00	18	19
20	21 7:00	22 7:00	23 6:30	24 6:30	25	26 9:30AM DRAGnet see p3
27	28 7:00	29	30	31	A U G 1 9 9 7	
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Board of Directors
mini'app'les members welcome.
Seward School,
2318 29th Ave. S., Minneapolis
Eric Jacobson, 603-9111



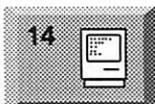
ClarisWorks SIG
Southdale Library
7001 York Avenue South, Edina
Denis Diekhoff, 920-2437



Telecommunications SIG
Epiphany Lutheran Church
1414 E 48th Street South
Bert Persson, 861-9578



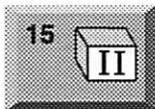
DRAGnet
840 12th Avenue NE
"Help test/sort equipment
(Mac/Apple II)"
Tom Gates, 789-6981



Macintosh Consultants SIG
Box Suite CyberSuite
Louisiana Ave & Cedar Lake Rd
St. Louis Park
Mike Carlson, 377-6553



Apple II/GS Main
Augsburg Park Library,
7100 Nicollet Ave., Richfield
Tom Gates, 789-6981



Apple II Novice SIG
Ramsey County Library
2180 Hamline Ave No., Roseville
Tom Gates, 789-6981



Quicken SIG
2850 Metro Drive, Rm 124
Bloomington
Ross Held, 835-3704



Fourth Dimension SIG
Ceridian/Health Partners
8100 34th Ave. S., Bloomington
Bob Demeules, 559-1124



Mac Programmers SIG
Van Cleve Park Building
901 15th Ave SE, Minneapolis
Gervaise Kimm, 379-1836



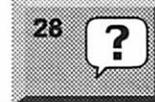
Photoshop SIG
Southdale Library
7001 York Avenue South, Edina
"Animation with Photoshop"
Denis Diekhoff, 920-2437



Filemaker Pro SIG
Partners
1410 Energy Park Dr #5, St Paul
Steve Wilmes, 458-1513



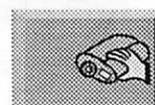
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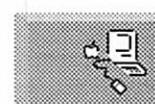
Macintosh Novice SIG
Merriam Park Library
1831 Marshall Avenue, St. Paul
Tom Lufkin, 698-6523



Microsoft Word SIG
No Meetings during summer
Tom Ostertag
D 951-5520 E 488-9979



Digital Imaging SIG
No meeting this month
Will alternate with
Photoshop SIG



Macintosh Main
No meeting this month
Mike Carlson, 377-6553



Mac Games SIG
Date, time, and location pending

SIG Leader Wanted

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 824-4394.

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 488-9979

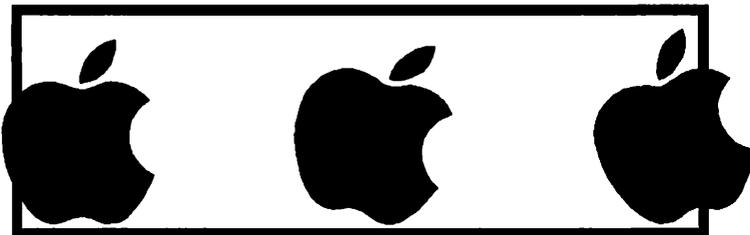
Newsletter Layout: John Hunkins

mini'app'les BBS –824-4394, 24 hrs. Settings: 8-1-0
Call in with FirstClass® Client software or any text-based terminal program.

mini'app'les Voice Mail – 229-6952

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

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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,

Volunteer Opportunities

Come join mini'app'les members for some excellent volunteer opportunities. This is your chance to show us your computer knowledge and to help others along the way.

Computer Testing

Help Test Apple II equipment

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Sat. July 12 & 26, 9:30 AM

Contact: Tom Gates, 789-6981



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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 call (or e-mail) away. Please call only during appropriate times, if you are a Member, and own the software in question.

Macintosh	Key	If you would like to be a "Members Helping Members" volunteer, please e-mail Nick Ludwig with your name & phone number on our BBS, or leave a voice-mail message at 229-6952, or use the MultiForm mailer near the back of this issue.			
Claris Draw	3				
Claris Resolve	2				
Claris Works	2,8,9,10				
Cross-Platform File Trnsfr	6				
FileMaker Pro	2				
First Class	2	AppleII	Key	AppleII GS	Key
MacWrite Pro	2				
Microsoft Excel	3,6,7	Appleworks	1,6,9	Hypercard GS	1
Microsoft Word	6	Applewriter	6	Smartmoney GS	1
MYOB	7	Publish It!	1		
Photoshop	4	To. Superfonts	1		
Quicken	3	To. Superform	1		
System 7	9				
Word Perfect	5				
New Users	11				

1. Les Anderson	735-3953	DEW	
2. Brian Bantz	956-9814	DEW	
3. Mike Carlson	377-6553	D	D-days (generally 9 a.m. to 5 p.m.)
4. Eric Jacobson	645-6264	D	E-evenings (generally 5 p.m. to 9 p.m.)
5. Nick Ludwig	593-7410	DEW	W-weekends (generally 1 p.m. to 9 p.m.)
6. Tom Ostertag	488-9979	EW	In any case, call at reasonable hours and ask if this is a convenient time for them. By the way, these volunteers can also be reached on our BBS! We appreciate your cooperation.
7. Ardie Predweshny	823-5111	DEW	
8. Owen Strand	427-2868	D	
9. Bruce Thompson	546-1088	EW	
10. Pam Lienke	457-6026	EW	
11. Tom Lufkin	698-6523	EW	

Newsletter Ad Rates

1/12 page 2.25" Width x 2.5" Height \$10	Outside back cover 7-1/2" Width x 7-1/2" Height . . . \$100
1/6 page 2.5" Width x 5" Height \$20	Inside back cover . 7-1/2" Width x 10" Height \$120
1/3 page . . . 2.5" Width x 10" Height Vert or 5.5 H . . \$40	
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2/3 page 5" Width x 10" Height (save 7%) . . . \$80	Mail inquiries to: PO Box 796, Hopkins, MN, 55343
Full page . . . 7-1/2" Width x 10" Height (save 15%) . \$120	Phone inquiries to: Nick Ludwig 593-7410

Mac eDOM #972

Mac eDOM #972 - Remember Windows

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eDOM #972 is a collection of both very useful and somewhat useful (but lots of fun) programs.

REMINDERPRO 3.2.1 was demoed at the May Main Mac meeting. It actually consists of several parts.

The ReminderPro application lets you schedule reminders.

The ReminderPro control strip module appears as an icon in the control strip. Clicking the icon allows you to instantly schedule a reminder without requiring you to launch the ReminderPro application.

The ReminderPro system extension works in the background continuously to display reminders at the

appropriate times. While you use the ReminderPro application to schedule reminders, it is the system extension that displays the reminders.

Portions of the package are accelerated for the Power Mac



NoDesktopCleanup 1.4

NoDesktopCleanup is a cool control panel that lets you add a confirmation dialog or a KeyQuencer Macro to any menu item in any application. The unusual name comes from the original task I wrote this control panel for: disabling the annoying "Clean Up Desktop" and "Clean Up All" menu items in the Finder, which often make one's life miserable by moving all the icons on the desktop away from their carefully chosen loca-

tions.



WindowMonkey 1.1

This program "monkeys" with your windows - in a good way, of course. With Window Monkey installed on your computer, you'll be able to:

Add different background patterns, pictures, or textures to any window in the Finder. Patterns aren't just for desktops anymore!

Use the Handy Window Monkey menu to quickly go to any window in any application, even if it's buried beneath many other windows.

Open recently used folders at any time with a click of the mouse.

Instantly jump to any open or recent folder from an Open or Save dialog box.

July Telecomm SIG



by Bert Persson

At the Thursday, July 3, Telecommunications SIG, Mike Blumberg, Director of

Development at Worldwide Media will do a presentation on Net Connected Project (NCP). From what I understand, this is a new, interactive method for delivering information on the "Net"; this will be an informative meeting on "state of the art" telecommunications. The following description of NCP came from www.WorldwideMedia.com.

Net Connected Project (NCP) is the new way to deliver information. An NCP immerses you in a joint multimedia and net experience without the use of a traditional browser delivery system. BiZlink is a demonstration of an NCP. It lets you interact, learn, and communicate through the power of new media and the Internet invisibly integrated into an application. An NCP uses the Internet or an intranet (a net within a facility or company) to update information and communicate while harnessing new media's power to deliver robust audio, video, graphics,

animation, and QTVR. An NCP can be delivered on hard drive, CD-ROM, and kiosk. An NCP lets you use your existing web delivery system or intranet to target up-to-date information to select users, reduce incremental publishing costs, extend your brand, establish peer-to-peer communications, and update live content to your CD-ROM, kiosk, or hard drive presentations. The NCP demonstration is available in two

formats: BiZlink Lite (Windows 95/NT-Mac) - a mini demonstration that can be downloaded by clicking an icon below. BiZlink CD-ROM (Windows 95/NT-Mac) - a full-size demonstration with lots of information, demos, animation, video, and QTVR is free to qualified businesses. Call 612-332-6557 for details. Both demos give you a Net Connected Project experience.

Pam Works with ClarisWorks



by Pam Lienke

When you are working with a spreadsheet, you may want to change the width of one or more columns or the height of one or more rows. There are several ways to do this. First select the column(s) or row(s) you want to change. Next select Column Width or Row Height under the Format menu and type in the size you prefer. To change a single column or row, you can move your pointer to the right border of a column heading or the bottom edge of a row

heading until the pointer changes to a double arrow. Drag the marker to the desired width. A neat way to set the column as narrow as possible for the longest piece of information in the column or the row as short as possible for the tallest information in the row, is to find that spot where the double arrow shows up and double click. Presto! The column is now the narrowest it can be for the data in that column or the shortest it can be for the information in the row.

May Word SIG Meeting Minutes

by Tom Ostertag

I arrived early to make sure that everything was set up for the meeting and, in the process, met Shari Brandt's two children, Andrea and Jeffery. We started up both Word 6.0 and Word 97 on the PC and then waited until people started to come.

We started with introductions and then announcements: the Word SIG will not meet during June, July, or August. The next meeting will

occur 10 September 97 and will be held at the TCPC Offices in their conference room.

Next we opened the usual question and answer period. We had a question about wrapping words around objects and found that only Word 97 was capable of doing that. There were several questions about transferring data from the PC to the Mac using Word and what the appropriate formats were. We also

found some formats that were somewhat obscure and found the funny paper clip in Word 97 that's just too cute...it has eyes and it rolls them.

There were several other questions and the discussion continued until Shari returned. We all thanked her for her support over this last year and a half or so and expressed our appreciation for her taking her time to help us out.

What was happening in the mini'app'les Newsletter

compiled by Ken Slingsby

This series is presented to provide a link to our past. The snapshots of articles and advertisements appearing in the mini'app'les newsletters of yesterday are meant to entertain and enlighten rather than to poke fun at our past. Enjoy.

5 Years ago...

July 1992. A local person, Teri Ross, wrote an article for mini'app'les describing local computer training centers. At the time, there were 75 centers offering training and/or classes for Macintosh and IBM systems and software. The article this month was a lead-in for a future series of articles. There were some minutes of SIG and Apple II/ Mac

Main Meetings. Four Mac eDOMs and five Apple II-GS eDOMs were newly offered. Several articles obtained from User Group Exchanges were printed. An article offered work-arounds for MS Word 5 users. There was nearly a page of want-ads. This issue contained 32 pages.

10 Years ago...

July 1987. Horrors! My July 1987 issue can't be found. Must have misplaced it somewhere around here...sorry.

15 Years ago...

July 1982. One Apple II DOM was described (there were no Macs yet). Many of the programs on the DOM

came from the International Apple Corps. This marked the first DOM put together by a new Program Editor, Al Peterman. An article described Grafrax Plus, a set of upgrade ROM chips for a popular printer, the Epson. mini'app'les was excited about the upcoming Applefest scheduled for September in Minneapolis. There was a review of Global Program Line Editor. Several of the members had worked on a list of Peeks, Pokes, and Calls to ease programming in Applesoft. There were two want-ads, six half page ads, and two full page ads appearing on the 20 page newsletter.

Macintosh Keyboard Shortcuts

By Bert Persson

Keyboard shortcuts can be a significant time-saver for commonly used commands because they are more direct in achieving a desired function. Integrating these shortcuts into one's computing habits results in a more efficient and productive Macintosh session.

All these shortcuts use the 'Command' key, located next the space bar on either side; the 'Command' key has the Apple symbol on it as well. To use one of the keyboard shortcuts, hold down the

'Command' key and press the appropriate alphanumeric key (do not release the 'Command' key until the alphanumeric key has been pressed and released).

Copy Selection (Command-C)

After a section of text is highlighted, a copy of that text can be temporarily stored on the clipboard by typing Command-C; the text can be used elsewhere later on. Copying also works for names of icons in the system. See Paste Selection to find out how to use the copied

information.

Cut Selection (Command-X)

To remove a highlighted section of text and temporarily save it on the clipboard, use Command-X. See Paste Selection to find out how to place this cut information elsewhere.

Paste Selection (Command-V)

Whether text has been copied or cut, it can be inserted into a document by positioning the cursor at the desired starting point and entering Command-V.

Undo (Command-Z)

This key combination restores your work to its state prior to the most recent change. Most major applications which have an Undo feature use this key stroke combination.

New (Command-N)

In the Finder, Command-N creates a new folder in the current window. In applications which use documents, Command-N creates something new but what is created depends on the type of application; some examples are new

window, new spreadsheet, and new document.

Open (Command-O)

Using Command-O from the Finder opens the icon which is selected. If the icon represents a document file or an application, the Finder starts up the appropriate application, just as if you double-clicked on it with the mouse. If the icon is a folder, the Finder reveals the folder's contents in a window. In an application, Command-O usually opens a dialog box so you can select an existing file for that particular application to use.

Select All (Command-A)

Typing Command-A is a quick way of selecting everything. In the Finder, it selects all icons in the currently selected window (or desktop). In applications, it selects the entire contents of the current window.

Print (Command-P)

The power of printing is also available to one's fingertips with Command-P. Most applications have this keyboard shortcut, which can also be used in the Finder. The dialog box of printing options appears, as usual, before the actual printing occurs.

Find (Command-F)

The Command-F shortcut works with the Finder and almost any

application which has a "find" feature.

Find Next (Command-G)

To quickly find the next occurrence of something, try Command-G. This shortcut bypasses any repeated button clicking that is required to perform this function using the mouse.

Quit (Command-Q)

Although there is no quit command for the operating system itself, almost all Mac applications can be quit by using Command-Q.

Cancel (Command-period)

In the Mac operating system, Command-period (where 'period' is the "." key) can be used as an alternative to clicking the 'cancel' button in cases where a dialog box is displayed.

Close (Command-W)

To close a particular window without having to click on that little box in the upper left hand corner, highlight the window to be closed by selecting it and use Command-W.

Close All Windows (Command-Option-W)

To close all windows without having to click on that little box in the upper left hand corner of every one, use Command-Option-W.

Get Info (Command-I)

For information on a particular item, click on its icon and type Command-I. For an icon representing an application, using Command-I displays the memory requirements and other information for that application.

Eject Disk Permanently (Command-Y)

Dragging a floppy disk or CD-ROM icon to the trash to eject a disk can be time consuming and misleading. An alternate method is to click on the disk icon and hit Command-Y, ejecting the disk and sending its

icon into the trash.

Eject Disk-Temporarily (Command-E)

A way to temporarily eject a floppy disk or CD-ROM is to use Command-E. Note that the icon does not disappear from the desktop and the Finder expects to get the disk back sometime later in the session.

Duplicate (Command-D)

To have the Finder copy an item represented by an icon, click on the icon and press Command-D; you magically create a duplicate of the item.

Forced Quit (Command-Option-ESC)

This feature is useful when you have unsaved work in other open applications and your current application freezes up. With this feature you may be able to return to the Finder and save the work in your other applications. Always restart your computer after using this feature.

Boot off a CD-ROM (C)

To boot from a CD-ROM, hold down the "C" key when you restart your Mac.

Boot off an external drive (Command-Shift-Option-Delete)

To boot from a drive other than your normal boot drive, press Command-Shift-Option-Delete while you restart your Mac.

Soft Boot Restart (Command-Control-Restart or Command-Control-Power)

This feature should be used only in the event of a freeze up and after you have tried Forced Quit. It restarts your computer without having to turn it off and on again. The Restart button is one of two buttons found on the side, back, or front of some Mac models. It has a left-pointing triangle symbol on it (the other button is the Interrupt button and is used by programmers). If your Mac has no Restart button, you must use the

Power On key. Pressing these key combinations when your Mac has frozen is the preferred method for restarting.

Zap the PRAM (Command-Option-P-R)

Your Mac's Chooser and Control Panel settings are stored in the Parameter RAM (PRAM) even when the computer is turned off. Sometimes these settings need to be reset. You must restart the Mac before the settings take effect.

Rebuild the Desktop (Command-Option)

Sometimes errors creep into your desktop files or the desktop files get too large. To rebuild the desktop, hold these keys down when you restart your Mac or insert a floppy

disk.

Take Snapshot of screen (Command-Shift-3)

This feature allows you to capture your screen as a PICT file. Files are saved on your hard drive as Picture X (where X is a number from 0 to 9.)

Turn Off Extensions (Shift)

This disables, for this start up only, any items such as system extensions, control panels, or chooser extensions that normally load at startup. It also disables virtual memory and background printing with Print Monitor, reduces the Disk Cache to 16k (the minimum), prevents launching any items in the Startup Items Folder.

Browsing the BBS

by Harry Lienke

Are you taking full advantage of your mini'app'les membership? Are you going on-line with the mini'app'les bulletin board service (BBS)? Lots of conversation, questions and answers, and programs are available. Not able to get onto the BBS? Talk to Brian Bantz (956-9814) or Bruce Thompson (612-546-1088). They will be glad to help you access our BBS, one of the best sources of Mac information in our area. Following is a sample of three postings that appeared on the BBS during May.

Filemaker Pro May Meeting

by Steve Wilmes

We had a great time. The Claris rep and the area's software engineer were in town from Colorado and

Santa Clara, respectively, and came by.

They brought a copy of FileMaker that we flipped coins for. It was a good group and a good time. See you all next month.

L2 Cache Card

by Ken R. Nordlie

Part of the fun of having a Mac is discovering worthwhile new "add-ons" for the system. I just installed a 256K level 2 cache card in my recently purchased Performa 6360 and I am astounded at the increase in speed of scrolling and screen redraws. I was skeptical of spending \$100 at CompUSA for a Viking cache card, but am delighted to find that this addition performs far above my expectations. I can highly recom-

Crowds of Clones

by Jeff Carlson <jeffc@tidbits.com>

For years, one of the main laments about the Macintosh was Apple's failure early on to license the Macintosh and/or Mac OS to outside vendors. Now, Mac OS clone manufacturers like Power Computing and Motorola are prompting users to

choose not only which model to buy, but from which vendor. Here at TidBITS, we've often found it difficult enough to keep up with Apple's products (something exacerbated by the now-defunct Performa line), let alone sets of Macintosh compatibles from other manufacturers both in

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Empty Trash with locked files (Option)

To get rid of locked files that have been put in the Trash, hold down the Option key while you select Empty Trash from the Special Menu.

mend a cache card if your Power Mac or Performa doesn't come with one!

Re: JPEG Software

by Eric F. Holterman

On 5/28/97 at 11:35 PM, JOE DUNDOVIC wrote:

> Does anyone know where I can get the JPEG software?

My favorite site for locating shareware is <<http://www.shareware.com/>>. This site has never let me down. It does not try to have the files on their server but directs you to quality locations (including reliability ratings).

It is part of Netcom which is a pretty interesting computer and on-line oriented news site <<http://www.cnet.com/>>.

rundown of some of the major and minor players in the Mac clone market. For more information on Mac OS clones, check out David Engstrom's The Mac and Mac Clone Performance Comparison Page. <<http://ng.netgate.net/~engstrom/cc.html>>

Power Computing

Now approaching "grandfather" status in the field, Power pioneered the Mac OS clone market and gave users reason to believe non-Apple machines could be a viable alternative. Power's line of computers fill both the low- and high-end markets: a 180 MHz 603e processor-based system starts at \$1,199 (including decent RAM, hard drive, video, and expandability options), while their top of the line PowerTower Pro models hover between \$2,700 and \$3,700. <<http://www.powercc.com/>>

UMAX

Umax's SuperMac line, originally inherited from former clone manufacturer Radius, also appeals to a broad range of users, starting with the inexpensive C Series and topping off with the S Series. UMAX has moved ahead forcefully with its product lines: all SuperMac machines are based on an Advanced Scalable Processor Design (ASPD), allowing for easy processor upgrades (rather than replacing the entire motherboard); the S900 machines also come with the ability to run as dual-processor machines. <<http://www.supermac.com/>>

DayStar Digital

Unlike many clone vendors who are positioning their systems to appeal to all users, DayStar Digital continues to concentrate on the heavy-horsepower crowd with their multi-processor Genesis MP workstations. The low end of these "big iron" machines offers two PowerPC 604e processors running at 200 MHz, six drive bays, six PCI slots, eight DIMM slots (allowing over 1 GB of RAM), and more, starting at \$5,000. DayStar wants to dominate high-end graphics, video, and media produc-

tion markets, and the few people I know who've used their machines don't plan to ever take their work back to single-processor Macs. <<http://www.daystar.com/>>

Motorola

It was only a matter of time before Motorola, the manufacturer of Macintosh processors since the 68000, started building its own boxes. The StarMax line starts with a 200 MHz 603e and the usual complement of entry level components (16 MB RAM, 1.2 GB hard drive, CD-ROM) and ramps up to the StarMax 5000/300 mini tower, featuring a 300 MHz 603e (not 604e, which is available at 200 MHz in the StarMax 4000/200) with 32 MB of RAM, Ethernet, internal Zip drive, and 4.3 GB hard drive. Like IBM, Motorola may sub license Mac-compatible systems to other manufacturers (such as APS) without explicit permission from Apple, and Motorola also offers a five-year limited warranty with its machines. <<http://www.mot.com/GSS/MCG/starmax/products.html>>

APS

APS hard drives, cables, and accessories have been a TidBITS standard for years, so it came as no surprise when APS announced its M*Power line of Macintosh clones, based on CPU designs from Motorola. Starting with the M*Power 603e180 (\$1,199) and maxing out with the M*Power 604e200 (\$2,399 for the best configuration), APS brings a wide range of configuration options plus their excellent support and quality hardware to the Mac OS clone arena (despite a lack of original machine names). <<http://www.apstech.com/>>

Computer Warehouse

The machines from this United Kingdom-based vendor are geared toward speed and power in multimedia authoring. Based on Motorola's Tanzania motherboard designs, all of their lines - New York, Manhattan, and Hollywood - run from 200 MHz 604e processors and start with 64 MB

of RAM, priced between 1,500 and 2,000 British pounds, excluding VAT. Computer Warehouse's machines are being manufactured in West London and aimed at the European market. <<http://www.computerwarehouse.co.uk/>>

Akia

Akia demonstrated their array of MicroBook Power machines at Macworld Tokyo this year. The name suggests PowerBook clones, but Akia's machines come in tower and desktop models based on 604e and 603e processors and logic boards sublicensed from IBM, all with a minimum of 80 MB RAM and 4 MB of video RAM. Also interesting are the monitors that can be purchased for these systems: all of Akia's screens are flat-panel displays. To buy them, however, you'll have to travel to Japan. <<http://www.akia.com/mac/amac.htm>>

Vertegri Research

Canada-based Vertegri made news recently by announcing a Mac OS portable not based on Apple's PowerBook specifications (which aren't currently licensable). The imediaEngine features a 604e processor running at either 200 MHz or 240 MHz, built-in CD-ROM, and optional internal Zip and Jaz drives. What it lacks, however, is a battery. Vertegri also offers the Quicktower 200e, a 200 MHz 604e system. <<http://www.vertegri.com/>>

Vision Power

A newcomer to the clone market, Vision Power plans to offer two lines of machines: the 603e-based PowerExpress and 604e-based PowerMax, both available in desktop and tower models and targeted at North American customers, although the company has reportedly been selling Mac clones in Asia since late 1996. According to reports, high-end models will offer a second processor slot for multi-processing applications (similar to UMAX's S900 models), but few other details are available. email at <visionp@pacific.net.sg>.

EGO Systems Mail Order Operation Closes

by Steve (Diz) Disbrow
submitted by Harry Lienke

Well folks, it's been fun, but I'm afraid that it's time for me to pull the plug on EGO Systems Mail Order operation effective Friday, June 27.

There are two reasons for this:

- 1) Money. Specifically, a lack of it. The Apple II mail order business is about as dead as it can get.
- 2) Time. Given that there was little or no money coming in from the mail order operation, I had to take part-time employment as a consultant. I've been far more success-

ful at this than I had anticipated and it's left me very little time for anything else. I've also been doing some freelance writing (which has resulted in even more consulting), so I just don't have the time to continue to run the mail order business.

So, what will become of the EGO Systems product line (Balloon, AutoArk, etc.)? Well, I hope to sell the rights to most or all of these titles to new publishers. If you are interested in acquiring the rights to one or more of these products, contact me as soon as possible. I am also

looking for someone to take over the distribution of all of the GS+ Magazine back issues I have left. However, I am NOT releasing ANYTHING into the public domain (or as shareware)! If anyone tells you otherwise, they are either lying or misinformed..

Well, that's about all I've got to say, except Thanks! Because so many of you were willing to actually put your money where your mouth was, I was able to stay in the Apple II business for over 7 years! Not too bad, not too bad at all...

Seven Hills News

To All Our GS Customers,

We've got good news and we've got bad news.

Let's start with the good news. SIS IS SHIPPING!!!

For those who don't know about this then please accept this as our official announcement. SIS stands for Spectrum Internet Suite and it is a browser for the IIGS. That is, it is a program that will allow you to navigate and view the pages of the Internet. Two browsers for the PC and Macintosh go by the name Navigator and Internet Explorer. Perhaps you've heard of them or used them before.

All you need to run SIS is Spectrum 2.1 and a UNIX shell account or a Genie account!

Hardware requirements include: A modem (at least 14.4 is highly recommended) with correctly wired hardware handshaking cable; A Genie account or a dial-up "standard Unix command shell account" from your Internet Service Provider (no files are placed on the shell system you are using, so no filespace is needed); An Apple IIGS running System 6.0.1 with 4Mb of RAM; An accelerator and hard disk are highly recommended.

If you don't have a Genie account then you probably can find an ISP (Internet Service Provider), a

company that connects their local customers to the Internet. All you need to ask the provider is, "Can I get a Unix prompt?" If you can get a Unix prompt then SIS can work. If you mention the GS and SIS then you'll just cause confusion because the IIGS isn't generally supported this way (just another first from Seven Hills). :) By the way, you DON'T need TCP/IP or anything other than Spectrum 2.1 to run SIS.

For more information, if you already have the means to go online with another browser, you can find information at the following address: <http://www.sevenhills.com/applesoftware/iigs/sis/index.htm>

If you can't go to our website then email us for more information about SIS. Use our autoresponder by simply putting sisinfo@sevenhills.com as the email address and nothing in the subject or body of your message as they will be ignored with this automated system.

By the way, we're offering a special bundle price for those who would like to get both Spectrum 2.1 and SIS. Spectrum is normally \$85 and SIS is normally \$25, but both are available at a special bundle price of just \$95, plus \$3.50 shipping and handling in North America (outside North America it's exact shipping costs but at least \$3.50 per order).

We are pleased to announce that anyone with the capability to get on the Internet can access our new website at www.sevenhills.com/applesoftware (and that capability is available to GS users, now that SIS is here!). We would greatly appreciate it if you would please tell every GS owner you know about our website and how they can get on the Internet with SIS. Please be sure to give everyone the complete address, www.sevenhills.com/applesoftware, or they won't find us. Besides lots of GS software, we have a few Mac products and a bargain-bin closeout of Mac and PC software from other companies. Our site is still in its infancy and will undergo many changes as we can get to them. Your suggestions are welcome and we thank you in advance, for those suggestions, since we don't have the resources to reply to everyone that writes.

Please note that our new tech support address is support@sevenhills.com. This is an easy way to remember how to contact us for your technical questions. Use this, from any online service you use, whenever you have a technical question about any of our products. Note that any technical questions sent to another email address of ours, or given to us by phone will just be forwarded to the support@sevenhills.com address

and that will delay the answer you get. But, please send ANY other correspondence to one of our other addresses (such as shss@ix.netcom.com). The nettally address is no longer functioning.

For those of you who are waiting for the next version of SuperConvert, we would like to say that we *think* we're on our last beta copy and the update to that program will be the next new product we ship. If you don't currently own SuperConvert, but would like to purchase it when it's at version 4.0, then please email us and tell us you'd like to be on our "notify-when-available" list for SuperConvert 4.

It's safe to say that it is going to be AT LEAST another couple months before the new version is ready. We must not project a more exact ship date at this time because it would be a huge guess and those types of estimates always fall short (our intentions are always better than our resources). We'll email you an announcement when it's ready to ship. In the meantime, you can look forward to the huge increase in conversion filters that will be in SuperConvert 4 (about 400% more than the current 3.01 version).

Now, for the bad news. :(

In the last month, we have experienced an unprecedented failure of the hardware and software we use for our ordering system. That system gave us over a decade of good service

but it was most frustrating to have both hardware/software fail at the same time. Consequently, we know some names and orders have been lost. We're not sure yet which those are and at this point we can't even enter new orders. So, PLEASE be patient with us while we work to get back on our feet. We believe we will be able to fill all orders that were placed before April 25 or so.

Give your order a little while to see if it arrives and then email (preferred) or call us if it hasn't. Send email about this to shss@ix.netcom.com.

Also, check your credit card statement to make sure you were not charged twice. In the process of trying to get orders out "by hand" we might have unintentionally made this mistake. We will immediately credit your card upon receipt of a mailed photocopy or fax that indicates you have been overcharged. Please accept our apologies if this has happened.

If all of this isn't enough we've also had problems reading, and consequently responding, to email that was sent to our old sevenhills address (shss@nettally.com) as we've worked on converting these accounts to a new Internet mail host. We hope this hasn't caused undue concern or frustration. Please delete this old address from your records.

If you haven't already heard, we have reduced prices for our GS software. For more information, if you

already have the means to go online with SIS or another browser, you can find information at the following address:

<http://www.sevenhills.com/applesoftware/iigs/sis/index.htm>

If you can't go to our website then email us for more information about our GS products and new prices. Use our autoresponder by simply putting gsinfo@sevenhills.com as the email address and nothing in the or body of your message because they will be ignored.

For those of you who placed an order after approximately April 25 please bear with us. We will get your order to you just as soon as we can. Right now, we can't enter, print, or charge new invoices. If you send us a check or money-order, and don't need a sales receipt, then we can ship products to you.

Our contact info is:

Seven Hills, 1254 Ocala Rd.,
Tallahassee, FL 32304-1548, Fax: 904-575-2015

General email: shss@ix.netcom.com

Technical support email: support@sevenhills.com

GS catalog email: address to gsinfo@sevenhills.com (autoresponder; subject & body ignored)

SIS information email: address to sisinfo@sevenhills.com (autoresponder; subject & body ignored)

Thanks for your continued support and interest in the IIGS!

Sincerely,

Earl Childers & Dave Hecker

Virus Complacency

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

Though there are few Macintosh viruses (especially in comparison to the PC world), in the last few weeks I've received several reports of virus-infected CD-ROMs or files (the most recent one an upload caught by alert Info-Mac archivist Michael Bean). Although all the viruses were old and easily handled by John Norstad's free Disinfectant 3.6, I believe many Macintosh users have been lulled

into complacency by the minimal virus problems of late. In addition, many people have become Mac users in the last few years, and thus missed the era when most Macintosh viruses appeared. Most existing Macintosh viruses aren't particularly dangerous, but it's always worth running an anti-virus program. For more information on the different viruses, read Disinfectant's excellent online manual by selecting Disinfectant

Help from the Apple menu. If you feel like spending money (we at TidBITS recommend and use Disinfectant), check out commercial virus protection software like Symantec AntiVirus for Macintosh and Datawatch's Virex for Macintosh. [ACE]

<<ftp://ftp.tidbits.com/pub/Apple Offers>
New Customer Support

KFest '97

submitted by Les Anderson

KFest '97 will again be held on the campus of Avila College in Kansas City, Missouri. This celebration of the Apple II computer is being sponsored by InTrec Software, Inc. It will take place from July 30 - August 3, 1997. The cost is \$375, which includes use of a double room in the Avila College dorms and meals! There are also a limited number of single rooms available for \$450. (If you wish to stay at one of the many hotels or motels near the college, the cost is \$225, but you would, of course, have to find and pay for your own room and meals.)

The last date pre-registrations will be accepted is July 20th.

Check-in will be on Wednesday from 1-4 pm, and check-out from 11 am - 1 pm on Sunday. Computer sessions will be conducted on Thursday and Friday. A vendor fair is scheduled for Saturday morning, with software and hardware demos slated for Saturday afternoon.

Meals included in the registration price are Thursday breakfast through Sunday breakfast, with the exception of Saturday dinner. All children under 18 years must be accompanied by a parent or legal guardian.

Please Note: Dinner on Wednesday and Saturday are NOT included this year. Attendees can dine on their own at one of the many fine restaurants near the Avila campus, or join the KFest '97 group for their annual treks to KC Masterpiece and Jess & Jim's Steak House.

If you have questions about KFest, or wish to make suggestions, you can find answers via the InterNet. Just send an email message to Cindyadams@delphi.com, or visit the World Wide Web page at <http://www.primenet.com/~adams/kfest.html>

KFest '97 Registration Form

Name: _____

Address: _____

City, State, Zip: _____

Phone (w): _____ (h): _____

Email address: _____

Roommate preference (if any): _____

Do you prefer a smoker or non-smoker?

Howbout a collectible, soft and thrilling KFest '97 T-Shirt?

Yes, I want One (Many)!!!

T-shirts are \$15.00 each.

Please circle size(s) Small Medium Large X-Large

Check here for additional X's on your X-Large T-shirt and indicate size needed:

Send this completed registration form and fee to:

KFest '97; c/o Intrec Software; 3035 E. Topaz Circle; Phoenix, AZ 85028-4423

* Please make checks payable to: InTrec Software

To pay by Credit Card, please check:

Visa MasterCard Discovery American Express

Please charge my account number: _____

Expiration: __ / __

Credit Card registration is also available. Just call InTrec Software, Inc. with your VISA, MasterCard, Discovery, or American Express number at (602) 992-1345, Mon-Fri 8:00AM-5:00PM Mountain Standard

Time. If you prefer, you can FAX your registration with credit card account number and expiration date to: (602) 992-0232 Mon-Fri 8:00AM-5:00PM Mountain Standard Time.

If you prefer registering by Email

and are using VISA, MasterCard, Discovery, or American Express for payment, you can send the completed registration form via InterNet
Email to: proterm@intrec.com

Printer Drivers

Effective immediately, Harmonie has become a Shareware Solutions II product that can be purchased for \$20; that price includes postage to anywhere in the world.

At the moment, Shareware Solutions II will be selling Harmonie

v2.11. That includes the IW II drivers that had originally been part of Harmonie, but that had then been sold as a separate product (Perfect Image).

Joe Kohn, Shareware Solutions II,
166 Alpine St, San Rafael, CA 94901

Hyper Quarterly

Apple Blossom Publishing in cooperation with Hangtime of Script Central and Gareth Jones of Apples B.C. News presents

HYPER QUARTERLY

Beginning in April we will begin shipping a new disk-based subscrip-

tion, with new issues appearing every three months. Each issue (two disks) will contain innovative new stacks and scripts, XCMDs and XFCNs, icons, art, news and tutorials.

HyperCard IIGS, which is part of the Apple IIGS System Software, is an invaluable resource for Apple IIGS owners. But many folks don't know how useful and fun it can be. Sign up for Hyper Quarterly and you'll find out.

In addition to the talents of Hangtime and Gareth Jones, we will be joined by Josh Calvin, Brian Gillespie and Ryan Suenaga in presenting stacks and info for your use and pleasure. Other IIGS HyperCard users are welcome to submit stacks for publication (yes, we'll pay!).

The first issue is shaping up now and includes the following stacks:

A.La.Carte by Hangtime

An innovative stack for rapidly creating custom menus for stacks. Type in the menu names, assign command key equivalents and menu item actions and install.

TZ.Rolodex by Hangtime

HyperCard ships with an address book, but Hangtime's effort, aside from having the polished look he is famous for, lets you keep notes, view the correct time for the individual you're currently looking at, and lets you sort the stack by name.

PostScripter by Gareth Jones

Want fantastic looking graphics for your desktop publishing efforts, but stymied by a lack of good conversion tools for 320 color images. No longer! Just print a 320 image to disk as a postscript file with the LaserWriter driver, and use this stack to re-size and re-position the image anywhere on the page, then download to your PostScript laser printer with your favorite app (dlps, LaserBeam, SendPS, ProTERM).

HC.Word by Steve Cavanaugh

Need to dash off a quick note while work- & Gareth Jones ing in

HyperCard? This text editor stack lets you do that, but can also read and write text files, encode with HTML, let you perform fast Finds for words in any documents you have in the stack, and can GSify text by automatic- adding in the ligatures, em dashes and other "high ASCII" characters.

Other stacks likely to appear include a Lynx bookmark manager, an updated version of Quarknet from Brian Gillespie that works seamlessly with Delphi, a stack with scripts and scripted buttons for copy and paste into your own projects, and more.

If you don't already have HyperCard IIGS, you can of course download it from Apple's ftp site. If you don't have the ability or time to do that, you can purchase the disks from us with your subscription for \$12.00 (HyperCard IIGS version 1.1 comes on 6 disks).

To subscribe, send a check or money order for \$35.00 (\$47.00 if you are also ordering HyperCard IIGS) made out to "Apple Blossom Publishing" to Steve Cavanaugh: Apple Blossom Publishing P.O. Box 120434 Boston, MA 02112-0434

Sorry, neither credit cards nor purchase orders can be accepted. Please send any questions you might have to one of the email addresses below.

Regards,

Steve Cavanaugh, Hyper Quarterly Apple Blossom Publishing The Apple Blossom
[http://members.aol.com/newblossom/Apple II Modem Starter Disk](http://members.aol.com/newblossom/Apple%20Modem%20Starter%20Disk)

*email: stevenc1021@aol.com
ABPub@ziplink.net AppleBlossom@delphi.com*

After 9 months of planning and scripting, the first issue of Hyper Quarterly was mailed out to subscribers on Monday, June 2, 1997.

Our premier issue contains 11 stacks including the Front End designed by HangTime.

Contents of Issue 1

TZ Rolodex

Keep track of your contacts while

this stack tracks their time and keeps them sorted for you.

Good Eats!

Dozens of recipes for you to sample, and plenty of room for your own culinary creations

Quarknet

Offline message processor for Delphi—tons of great features that will make browsing Delphi forums easier and more productive.

PostScripter

Resize and reposition PostScript files you create in IIGS graphics programs, and print them in stunning detail!

HC.Word

A text editor for HyperCard with advanced features like automatic "fancy text" (ligatures, etc.) and HTML export

A la Carte

Automatically create menus for your own HyperCard stacks with no fuss or bother.

ScriptMenu

put a Scripts menu in every stack as you work on it — lists every object in your stack and lets you instantly open scripts associated with those objects.

TableMaker

Need to create a quick HTML table for your Web page? With this stack, no knowledge of HTML is needed, just fire up this stack and create away.

Bookmark Manager

Is your Lynx Bookmark file getting unruly? Wish for a better editing option than VI or emacs? Here it is!

HTML.to.WP

Need to download and print some web pages — with formatting? This stack converts HTML to WordPerfect format so you can do it.

Hyper Quarterly is a quarterly (of

(continued on page 24)

GOOD DEALS #45

by Ken Slingsby

This is one in a series of articles listing press releases. All information included here was posted on Apple's web site or received via the User Group Connection.

These PRESS RELEASES are to make you aware of new products. You may have to hunt to find a dealer that supports the product. The GOOD DEALS are special offers that may be in limited supply and/or are limited time offers.

mini'app'les makes no claim as to the usefulness or quality of the products offered herein. The User Group Connection does not endorse the products and is not supporting the products. The following is not paid advertisement. There may be other products mentioned on our BBS or other services not appearing here. If so, that is an omission, not a rejection of the product. As in all purchases, buyer beware!

Products and names mentioned in this document are trademarks of the respective companies, all rights reserved. Apple-authorized user groups may redistribute this information to their members (or use it to recruit them) at meetings, in newsletters, by fax, or on bulletin board systems.

PRESS RELEASES

CUPERTINO, Calif.—May 28, 1997—Apple Computer, Inc., today announced that it has begun accepting customer orders for its Twentieth Anniversary Macintosh computer. Slated to ship this summer, the innovative, flat-panel design features a total entertainment center including a custom Acoustimass sound system by Bose; custom vertically mounted CD player; television tuner; FM radio tuner; full computer hardware, including a PowerPC 603e RISC processor; S-video input with a cable adapter for composite video; and a custom keyboard with Italian leather palm rests and a detachable trackpad.

Customers in the United States can order a Twentieth Anniversary Macintosh through any Apple Specialist. Apple Specialists are a special group of Apple Authorized Resellers who dedicate a majority of their staff and services to Apple products, and who have the highest level of service certification from Apple.

In the United States, The Twentieth Anniversary Macintosh is priced at approximately \$7,500 plus applicable tax. It comes with a special concierge service,

which includes a three-year limited hardware warranty, three years of toll-free telephone support, and delivery and set-up of the product. Apple is manufacturing a limited quantity of the Twentieth Anniversary Macintosh, so the product is available on a first-come, first-served basis.

BERKELEY SYSTEMS

Berkeley Systems is offering a 50% discount to User Group members ONLY on your choice of *YOU DON'T KNOW JACK Volume 2*, *YOU DON'T KNOW JACK Movies* or *YOU DON'T KNOW JACK Sports* CD-ROMs. What! You've never heard of *YOU DON'T KNOW

JACK*? Try it out... surf over to <www.bezerk.com> and play JACK online for free! Then, to receive your rebate:

- 1- Circle the purchase date on your store-identified register receipt.
- 2- Cut the UPC code panel from the bottom of the box.
- 3- Fill out the rebate certificate enclosed with the June User Group Mailing
- 4- Send everything to:

User Group \$15 JACK Rebate,
Dept., 10936, P.O. Box 52995,
Phoenix, AZ 85072-2995.

Hurry, this offer only lasts through August 31, 1997.

UG Store Update 5/21/97

Brand New Apple Products & More

Item #		price	points
05254	PowerBook 3400c/180Mhz 603e/16/1.1GB	\$3799	13400
05253	PowerBook 3400c/180Mhz 603e/16/1.1GB/6x/33.6 modem	\$4299	14900
05255	PowerBook 3400c/200Mhz 603e/16/2GB/6x/33.6 modem	\$4799	16400
05256	PowerBook 3400c/240Mhz 603e/16/3GB/12x/33.6 modem	\$5999	17900
05091	Power Mac4400/200Mhz 603e/16/2GB/8x/256K L2/Kb&m	\$1499	5000
05442	MultiScan 20 Display	\$1649	5900
05017	Color StyleWriter 1500	\$219	750
05912	Color StyleWriter 2500	\$269	1000

NEW ITEM!!!!

02110 Across MetaScan 3CX

\$189 550

24-bit color, 300 x 1200 dpi (max. 2400), single pass, 8.5"x 11" scan area. Includes

ExpertVision OCR software and Macromedia X-Res SE image editing software

To Order or for more information call 1-800-350-4842. Email sales queries anytime to

<ugsales@wva.com>

Apple Offers New Customer Support

submitted by Richard H. Peterson

Apple Offers New Customer Support Program

Customers Get Greater Flexibility and Choice at Low Cost

CUPERTINO, Calif.—May 15, 1997—Today, Apple Computer, Inc., announced a new technical support option for owners of Apple hardware and software products, called Apple Support Line (ASL). Since April 1, 1996, Apple has offered customers both a one-year limited hardware warranty and 90 days of complimentary up-and-running technical support on their Apple products. ASL, a one-year renewable support contract available directly from Apple and from participating Apple authorized resellers, allows customers to continue to receive up-and-running support from Apple after their 90 days of complimentary support have expired.

The majority of customers purchasing Apple products benefit from having access to up-and-running support when they first purchase their computer or peripheral product. That is, new customers find it very useful to be able to call Apple for some basic assistance: for help configuring their new computer, installing or reinstalling system software, troubleshooting a problem they've run into, or checking for compatibility with productivity or utility software. After the first 90 days or so, most customers don't require this type of assistance, but for those that do, Apple wants to be able to assist them.

Complimentary 90-Day Support Policy

Apple introduced the 90-day support policy more than a year ago. Although customers who purchased products manufactured after April 1, 1996, received a brochure in the box explaining the 90-day complimentary support period, Apple has been lenient about enforcing this policy, giving customers time to adjust to the change. Apple also did not have

alternate programs in place, at that time, for those customers who desired additional up-and-running support. Now, with a program in place to assist such customers, Apple will enforce the policy effective today. When they call, customers will be asked to enter the Support Access Number provided with their new product (or that they acquired the first time they called for support), and Apple will check to see if they are still eligible for complimentary support. If they are no longer eligible, customers have numerous free support options as well as fee-based support options to choose from.

Two groups will be unaffected by Apple's decision to enforce its 90-day complimentary support policy. Customers who purchased Apple-branded products manufactured between April 1, 1993, and April 1, 1996, or Apple Macintosh Performance-branded products manufactured between September 1, 1992, and April 1, 1996, will continue to receive unlimited, up-and-running support for their products for as long as they own them. Apple will continue the same level of support for its education customers.

One group that will be affected by Apple's decision to enforce its support policies is those customers who purchased Apple-branded products manufactured before April 1, 1993. The new Apple Support Line is an option for these customers.

Free, Unlimited Access To Wide Range of Support

For several years, Apple has offered customers free, unlimited access to a wide-range of technical support via fax-based systems and the Internet, and Apple has been working hard over the past six months to expand and strengthen these offerings. In fact, Apple has been recognized for having one of the most useful Internet sites available: <http://www.info.apple.com>. One location on that site—

<http://www.info.apple.com/supportoptions/>—describes the various support options available to Apple customers, describing in detail the scope of support offered by the Apple Support Line.

Customers can expect to receive the same award-winning customer and technical support Apple has provided for years. "Year after year, numerous surveys have given Apple top marks for customer support and product reliability," said Pete Gladstein, senior director, Apple Assist. "We expect those high marks to continue. Satisfying our customers and building quality products are still our number one priorities at Apple."

Award Winning Customer and Technical Support

In the 1996 American Consumer Satisfaction Index, Apple increased 1.3 percent, ranking number two in the personal computer industry. The Index, a joint project of the University of Michigan and the American Society for Quality Control, was based on 28,000 customer surveys. The results were published in the February 3, 1997, issue of Fortune Magazine. As further evidence of Apple's customer satisfaction, for the fourth consecutive time, Apple has received top marks for reliability according to a December, 1996, PC World magazine reader survey. PC World states that Apple is one of five companies that build machines "people could count on" and Apple telephone support had the shortest "hold time" of any PC vendor.

Pricing and Availability

Customers can purchase an Apple annual support contract, Apple Support Line - Level I, for \$69.95. The contracts are available directly from Apple or from participating resellers. The new policy and programs are available only in the United States. Customers can receive more information about Apple

Support Line by calling 1-888-APL-VALU (275-8258) or by accessing Apple's Support Line web site (www.info.apple.com/supportline).

Apple, the Apple logo, Macintosh, Performa, Power Macintosh, and PowerBook are registered trademarks of Apple Computer, Inc. Additional company and product names may be trademarks

or registered trademarks of the individual companies and are respectfully acknowledged.

Apple Announces Unified Development Strategy for Next Generation Applications as Part of Rhapsody

submitted by David M. Peck

New Development Platform, Code Name "Yellow Box", to Speed Creation of Robust, Content-Rich, Cross-Platform Applications; Java Integrated Throughout Next Generation System Software Product Line

WWDC, SAN JOSE, Calif.—May 13, 1997—At its annual Worldwide Developers Conference (WWDC) Apple Computer, Inc., today outlined a radical software development strategy for Rhapsody, the code name for its next generation operating system. By utilizing the "Yellow Box" Application Programming Interfaces (APIs), software developers will eventually be able to deploy their applications on a wide range of operating systems including Rhapsody, Mac OS, Rhapsody for Intel, Windows 95, and Windows NT. By making the Yellow Box programming environment cross platform, Apple believes it can attract new software developers to the Rhapsody and Mac OS platforms and expand the business opportunities for current Mac OS and OPENSTEP developers.

Along with support for 100 percent Java, Apple also announced that the programming interfaces for the Yellow Box will be exposed as Java language calls. This will enable developers to write applications for the new platform completely in Java thus extending the functional capabilities of Java applications. Apple believes the Yellow Box will allow developers to create best of breed applications, delivered across multiple platforms, shortening development cycles and bringing the benefits of Java to mainstream applications.

Avie Tevianian, senior vice presi-

dent, Software Engineering, Apple Computer Inc., said "What we have announced today is a compelling proposition for software developers. As the Internet moves forward and increases the need for heterogeneous networks, the Yellow Box is well positioned to be a unifying force by including all major platforms in a robust, media rich development platform. Developers can adopt the Yellow Box APIs in the knowledge that their applications can be deployed on multiple platforms."

Yellow Box Unifies Developer Proposition From Apple

The Yellow Box is a development platform for building robust, content-rich desktop, Internet/intranet software applications. The Yellow Box will be a key component in three future operating system releases from Apple: Rhapsody, Mac OS, and Rhapsody for Intel.

The Yellow Box will also be hosted on a new Windows development and deployment platform slated from Apple, code named Yellow Box for Windows. This development and deployment platform will allow a Yellow Box application to be a first class Windows citizen, with complete Windows look and feel.

All Yellow Box-based products are an evolution of OPENSTEP—an operating system independent, object oriented application platform. Integrating the cross platform robustness of OPENSTEP technologies with Apple's market leading digital media and graphics technologies will differentiate the Yellow Box from other development platforms. Apple also confirmed at WWDC that The Yellow Box development environment will include the WebObjects framework that provides

an HTML interface to its objects, enabling developers to easily create dynamic web-based applications.

Apple's intention is to release a cross-platform suite of application development tools for the Yellow Box. The "Prelude to Rhapsody" Program, announced in April, provides early access and releases of some of the tools. The initial suite of tools is expected to be introduced at the same time as the developer release of Rhapsody and will continue to support world-class object-oriented programming models. By integrating tools from Apple, Metrowerks and others, software developers will be able to leverage existing code and use programming languages such as Java, C, C++, and Objective C to create next generation applications. Because of the rich collection of services and the dynamic nature of the Yellow Box, programmers will enjoy new found increases in productivity.

Apple expects to integrate the Yellow Box into the following operating system products:

Rhapsody

Rhapsody is the code name for Apple's next generation operating system for PowerPC and will be the primary development and deployment platform for Yellow Box applications. It includes four components: Core OS, based on Mach technology; Blue Box/Mac OS compatibility environment; the Yellow Box development environment; and Advanced Macintosh User Interface. Apple expects Rhapsody to provide customers with an environment that delivers industrial-strength performance, stability, and new classes of software for computing into the next century, while preserving customer

investment in hardware and software. Customers in markets such as print publishing, multimedia, Internet/intranet Web authoring, corporate application development, and higher education and engineering/scientific will quickly benefit from the advantages of moving to the Rhapsody platform.

Mac OS

Apple intends to host the Yellow Box on a future version of the Mac OS, code named Allegro. Allegro will be the follow on release from Mac OS 8, scheduled for introduction in July 1997. Expected to be available in mid-1998, Allegro will be based on current Mac OS underlying technology and will include both the traditional MacOS APIs as well as the capability of hosting the Yellow Box.

Rhapsody for Intel

Rhapsody for Intel is the code name for Apple's next generation operating system for Intel-processor based personal computers. It includes three components: Core OS based on Mach technology; Yellow Box development environment; and Advanced Macintosh User Interface.

Timetable

Apple's intention is to release all versions of the Yellow Box-based products simultaneously with major releases of Rhapsody. This should ensure that all Yellow Box products stay synchronized to help developers deploy applications across multiple platforms.

Initial Developer Reaction Favorable

Initial developer reaction to Apple Computer's unified development strategy for next generation applications has been positive:

Lee Wilson, vice president of Marketing, Chancery Software Ltd, said, "We are following Apple's Rhapsody strategy closely and believe that they are making the right decisions about the platform. The cross platform plans are important to all developers and we are pleased to see that Apple is acting on this in a significant way."

Craig Isaacs, vice president of Sales & Marketing, Dantz Development Corporation said, "Dantz is extremely pleased with Apple's decision to support the Yellow Box APIs under Mac OS as well as Rhapsody, Rhapsody for Intel processors, and Windows. The decision provides a boost for the already outstanding OPENSTEP development tools. In addition, it's a huge win for current Mac OS customers, since next generation versions of products like our award-winning Retrospect software will be based on the Yellow Box APIs.

"Apple has taken a major step to improve developer's business proposition", said Greg Galanos, president and chief technology officer of Metrowerks. "By bringing its 'Yellow Box' APIs to Rhapsody, Rhapsody for Intel, Mac OS, and Windows, Apple is making it possible for developers to write once and deploy on multiple operating systems in a single step. In conjunction with Apple,

Metrowerks will make these powerful APIs available to all CodeWarrior customers for Rhapsody, Rhapsody for Intel, Mac OS, and Windows targets."

As part of the Rhapsody development effort, Apple worked with Stone Design Corporation to test an early version of their Create software product on PowerPC.

"We are delighted to announce that Create is running on Rhapsody on the PowerPC architecture," said Andrew C. Stone, CEO and chief computer scientist of Stone Design Corp (www.stone.com). "Once again, the engineers at Apple have proven that the Yellow Box is the most stable and elegantly designed development and deployment platform. Because Create is an application created for the Yellow Box, I was able to port to Rhapsody PowerPC in a matter of hours. Thanks to the Yellow Box, Create already runs on other Operating Systems including Windows 95 and Windows NT. We are shipping powerful, stable, cross-platform applications today."

"We're pleased to see Apple respond to the needs of its developers, and, ultimately, to the needs of Mac users," said John Noerenberg, director of Technology of Qualcomm's Eudora Division. "Bringing the Yellow Box onto these platforms provides a more flexible migration path smoothing everyone's transition to Rhapsody," added Alan Bird, Senior Engineer with the Mac Eudora development team.

Yellow Box, Blue Box, Rhapsody & WWDC

by Geoff Duncan <geoff@tidbits.com>
submitted by David M. Peck

Every year, Apple puts on the Worldwide Developers Conference (WWDC), a pricey technical get-together for serious Macintosh programmers. Unlike trade shows such as Macworld Expo, WWDC isn't packed with hundreds of vendors; bag-carrying, button-clad attendees; and stages awash with marketers,

headset microphones, and plenty of styling gel. Instead, WWDC is a chance for programmers to learn about Apple's future technologies and directions, ask questions, and let Apple know what they're thinking. Developers are Apple's toughest audience - they're least likely to be influenced by promises, and most likely to require tangible proof of claims. WWDC is never easy from

Apple's point of view.

What's more, Apple hasn't had a great year. In the wake of Apple's financial troubles and the acquisition of NeXT, speculation was high and expectations were low for this year's WWDC. No one knew what Apple would bring to the table, and many developers have had their faith shaken by Apple's recent layoffs, technology freezes, and the

ascendance of NeXT executives who seem to hold the fate of the Macintosh in their hands.

Rhapsody & Yellow Box

One thing everyone at WWDC wanted to see and hear about was Rhapsody, Apple's forthcoming operating system based in part on technologies acquired from NeXT. Apple delivered on that expectation, surprising many attendees with demos of the Yellow Box, the environment derived from OpenStep that will occupy center stage under Rhapsody. The Yellow Box was shown on both PowerPC and Intel hardware including an Intel demo of the shoot-em-up game Quake (writing to the Yellow Box's Display PostScript while playing movies in the background), plus PowerPC demos of QuickDraw 3D and a commercial application from Stone Design ported from OpenStep in only a few days. Apple wanted to prove one thing: they had running code, not just promises. The Unix command line was also seen (to hisses from some attendees), but Apple stressed it will be hidden in Rhapsody's Unified release, available only if users want it. The Yellow Box interface was described as a work in progress, but it already bears some resemblance to the Mac.

Although the Yellow Box derives directly from OpenStep and includes NeXT standbys like Display PostScript and Unicode conversion, Apple plans to add several Macintosh technologies, including the QuickTime Media Layer (QTML), QuickTime VR, QuickDraw 3D, ColorSync, QuickDraw GX typography, and the V-Twin text indexing engine (on which Apple e.g. is based). Although it's too early to tell what this means, Apple also said all applications built for the Yellow Box will have some scriptability, and Yellow Box scripting would be carried as far as possible toward AppleScript. The Yellow Box will also include NeXT's much-touted WebObjects Frameworks and Java.

Apple confirmed it plans to ship

a version of Rhapsody for computers based on Intel chips; however (and this was arguably the big announcement for WWDC), Apple also announced it will ship a version of the Yellow Box for Mac OS.

To understand this, think of the Yellow Box as an application environment, like its predecessor OpenStep, rather than as a component of Rhapsody's larger operating system. Yellow Boxes for Intel and Mac OS would in theory make the Yellow Box the premiere choice for cross-platform development, because developers could deliver applications that run on Rhapsody (both PowerPC and Intel), Mac OS, Windows NT, and Windows 95 - all using tools derived from NeXT's highly regarded, object-oriented development environment. According to Apple, an application written for the Yellow Box can simply be recompiled for a different platform, or even shipped as a single, large file containing executable code for multiple platforms. (Aladdin's Leonard Rosenthal referred to these programs as "obese binaries.") To hammer home the idea, Apple also announced no-fee licensing of the technology that allows the Yellow Box to run on top of Windows, so deploying Yellow Box applications for Windows won't cost developers extra.

A version of the Yellow Box for the Mac OS is also an intriguing carrot for some developers. In theory, this would allow users running today's Mac OS (or future versions, such as Mac OS 8 or Allegro) to run Yellow Box applications without switching over to Rhapsody. Although no schedule was given and there are serious questions about what subset of the Yellow Box can be supported under Mac OS (threading was mentioned as a significant issue, and symmetric multiprocessing is right out), the ability to run some Yellow Box applications under Mac OS may help alleviate transition fears and give Yellow Box applications a wider market.

Rhapsody & Blue Box

Apple also demonstrated Rhapsody's Blue Box running a beta of Mac OS 8, and hosted hands-on labs where developers could run Mac OS programs under Rhapsody's Blue Box. According to Apple, only five of about 500 programs tested in the WWDC labs failed due to errors with the Blue Box.

The Blue Box is essentially a Yellow Box application designed to run under Rhapsody for PowerPC. (Rhapsody for Intel will not include the Blue Box.) The Blue Box uses a Mac ROM image to run the Mac OS unmodified, so users can run unaltered Mac OS applications and system enhancements with much more compatibility than Copland would have provided. The Blue Box should inherit benefits from Rhapsody, including enhanced virtual memory and I/O improvements. Although Mac applications will not get separate protected memory, crashing the Blue Box will not take down Rhapsody. However, as an application, the Blue Box will run in its own window, and Mac applications will not sit in the same screen space as Yellow Box applications. Blue Box programs will be able to communicate with the Yellow Box via Apple events and more traditional mechanisms like the clipboard, but there will be a firm line between the Mac OS and the Yellow Box. The Blue Box will be able to run in a full-screen mode (and Apple reps noted this included `_all_` screens), but I have the impression using the Blue Box will be like peering through a magnifying glass at your old Macintosh.

Java

During the WWDC keynote, new Senior VP of Software Engineering Avie Tevanian called Java Apple's biggest opportunity. It's not clear how many Apple developers share that opinion, but Apple proved it can make grand statements about Java as well as the next software company, announcing support for the Java Foundation Classes under

development by Sun, Netscape, and IBM, and simultaneously announcing Java would have full access to Yellow Box APIs, thereby making it possible to write Yellow Box applications without resorting to Objective C or other programming languages. Although Apple stressed its commitment to "100 percent pure Java," it also stressed access to the Yellow Box would allow developers to deploy best-of-class Java applications, which sounds similar to what Microsoft tells developers about its competing Application Foundation Classes for Java.

The Rhapsody Schedule

Currently, the Rhapsody schedule calls for a developer release in mid-1997 (with no Blue Box, and probably only supporting Power Mac 8500/8600 machines), a Premiere release for early adopters in early 1998 with some Blue Box capability for PowerPC, and a Unified release for general users in mid-1998 with full Blue Box capability for PowerPC.

Apple plans to ship client and server versions of Rhapsody and has stated that the Unified release will work on today's PowerPC-based Macs and Mac clones.

The Spin

There's no doubt that Rhapsody's potential is compelling. Developers and conference attendees I spoke with were generally surprised with Apple's progress so far, although opinions differed radically as to whether Apple could deliver on its ambitious schedule. For some developers, Rhapsody is simply too late: they needed mature cross-platform development tools over a year ago, not a promise they'll be available a year from now. On the other hand, some developers seemed incredibly energized by Apple's plans, including some makers of low-level tools and utilities for whom Rhapsody is an enormous technical challenge.

However, the gulf between NeXT and Apple cultures is still apparent. Steve Jobs managed to insult or

offend many Mac developers in his WWDC fireside chat, and occasional comments from former NeXT employees during WWDC sessions highlighted the differences. This is an over-generalization, but NeXT customers tend to deal with high-end, often corporate environments with abundant bandwidth and CPU resources, while Mac customers are possessive about their machines and are more likely to think about sharing a single CD-ROM drive across a high school's LocalTalk network. Whether a healthy medium can be achieved in either Apple's software engineering teams or Rhapsody remains to be seen.

For more details and announcements from WWDC, check Apple's Developer World site; WWDC Webcasts are available until 31-May-97. John Norstad has also posted excellent notes on Rhapsody based on what he learned at WWDC. <http://devworld.apple.com/> <http://charlotte.acns.nwu.edu/jln/wwdc97.html>

mini'app'les Board of Directors Minutes

Agenda approved with the addition of change of officers.

Secretary's report approved.

Treasurer's report approved.

Special Reports — The elections were won by those running. There was not a majority for vice-president or secretary. The new board will need to appoint a secretary and vice-president.

Officers' Reports

President — NAUGSAW is beginning to move. We have twenty-five or so registrations. We need volunteers. We have a key-note speaker. User group points at 304,000. They expire after two years, so we should think about spending them.

Vice President — no report

SIG Director — The telecommunications group is working well at the church. What are we doing to get members on the BBS? Brian, Bruce, and Bert will work to get information for an ad to Eric who

will then do the layout. Apple II Main SIG is scheduled through August.

Publications Director — No report

Software Director — Sales are down. Bruce is looking for ways to beef up sales. He is gearing disks to beginners and those not on the Internet. Fed him ideas.

Operations and Resource Director — Denis talked with Tierney about the projector. Said we would pay an amount to keep using a projector. They do not seem interested. The present system of loan is working well.

Membership Director — no report

Old Business

DRAGNet three month membership—Bob will work with Ardie and Mike to check on problems.

First Class — Dick has been trying to get at the BBS to update. Denis

will try to help. It will take a major part of a day to do this.

MYOB — Brian was going to get the latest version for the club. Bob will check his files to see what we can do.

P.O. Box — Nothing has been done. Let's put an article in the newsletter asking for help. Bob will write something up. Maybe we could list a Minneapolis address with Apple but have a P.O. box somewhere else. Mike could pick up mail if we have the Eagan post office where he works. Eric suggests running a call for volunteers in the newsletter.

Membership brochure — need volunteers to work on one.

Will we have a membership recruiter? Everyone needs to have brochures and recruit.

New Business

Digital phone converter — There are occasions when we need to be

able to access the phone line and cannot connect. The telecomm issue has been resolved.

M/S/P to spend up to \$150 for a digital phone converter.

M/S/ to budget \$150 for baseball caps for the board.

M/S/P to amend the motion to purchase 20 hats with our user group points.

Insurance renewal — Bob will check on this and Ardie will pay.

BBS usage report needs to have an explanation.

Announcements

Next Board meeting—June 3, 1997, Matthews Center, 2318 29nd Ave. So., 7:00 P.M.

Adjournment 9:00

Respectfully submitted,

Pamela Lienke, Secretary and Acting Secretary

Apple Announces Newton Subsidiary

New Company to Focus on Computing & Communications For Mobile Users

CUPERTINO, Calif.—May 22, 1997—Apple Computer, Inc. today announced the formation of a subsidiary that will focus on meeting the computing and communications needs of today's corporate mobile users. The new company, to be named at a later date, will provide customers with market-driven products and technologies, based on the award-winning Newton operating system, in conjunction with its licensees, value-added resellers, and systems integrators.

"Over the past year, we have seen the Newton Systems Group launch compelling products based on the Newton operating system," said Dr. Gilbert F. Amelio, Chairman and CEO of Apple Computer, Inc. "We believe that the time is right to establish the group as a focused entity. This decision allows the new subsidiary to pursue its business and create the marketing and operating strategies it needs to succeed."

The new company will be led by a CEO to be named and newly appointed Chief Operating Officer Sandy Benett. Benett was previously vice president of the Newton Systems Group and has been responsible for managing the group for the past few years. A search is currently underway to find an experienced CEO to lead the organization and

complement the existing management team.

The new company will focus on developing products as well as licensable technologies targeted at meeting the needs of mobile users in corporate markets—initially concentrating on health care, sales force automation, and field service industries. The new company will provide platform technologies, including the Newton operating system, development tools, APIs, and documentation to enable the development of products for such markets.

"We have a solid business plan and a strong management team in place to optimize the value of Newton technology for corporate users and take Newton technology into a new era," said Benett.

Products built on the Newton operating system include the MessagePad 2000 handheld computer and the eMate 300 mobile computer for the education market.

The new company will continue to support, sell, and market the current MessagePad 2000 in the retail channel. The Company will also build on the success of prior MessagePad products by continuing to deliver the MessagePad 2000 and follow-on products to corporate markets. It will be strengthening the organization to fully support this sector.

The new company will serve the

education market through Apple. Apple Computer, Inc. will continue to support, sell, and market the eMate family of portable computer products into the education community based on technology delivered by the new company.

"eMate 300 is part of Apple's long-term strategy and vision for education technology," said Mike Lorion, vice president of Apple's Education Division. "We will continue to aggressively market and support the product. We are looking forward to working closely with the Newton team on future versions of the eMate to continue to meet the unique requirements of educators and students."

Current Newton licensees include Schlumberger, Sharp, Digital Ocean, and Harris Corporation. Technology allies include ARM Limited, Digital Equipment Corporation, Paragraph International, and Cirrus Logic.

Apple expects the transition to be completed by June 30, 1997. The organization will remain based in Northern California.

Apple, the Apple logo, Macintosh, MessagePad, and Newton are registered trademarks and eMate is a trademark of Apple Computer, Inc. Additional company and product names may be trademarks or registered trademarks of the individual companies and are respectfully acknowledged.

Election Results

Listed below are the results of the 1997 election for the mini'app'les Board of Directors. The results were compiled by club historian and BBS

system administrator, Dick Peterson. Since no candidate for Vice President and for Secretary received a majority of the votes cast in the election, the

candidates with the highest vote totals must be appointed to office by the remainder of the new

(Continued on page 23)



mini'app'les Handy Form

New & Renewing Members-
Specify your level of support:

- Regular \$25
- Student* \$15
- Sustaining \$40
- Foreign \$40
- Educational \$50
- Corporate \$100

* must be a full-time student
at an accredited institution

**Make Checks
Payable to
"mini'app'les"**

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
questionnaire

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

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

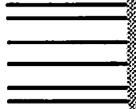
Total Merchandise

Add \$1/Disk for Shipping (\$4.00 Max)

GRAND TOTAL

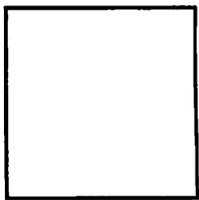
Make Checks Payable to "mini'app'les"

Last Fold – Seal with Tape



- Attention:
- Membership Director
- Software Director

Four horizontal lines for handwritten notes.



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

(Continued from page 20)

Board of Directors.	
President	
Eric Jacobson.....	30
Vice President	
Les Anderson.....	5
Owen Strand.....	6
Bob Demeules.....	1
Pam Lienke.....	1
Harry Lienke.....	1

Secretary	
Georgi Bantz.....	11
Pam Lienke.....	1
Tom Lufkin.....	1
Treasurer	
Ardie Predweshny.....	30
Publication Director	
John C. Hunkins, Sr.....	30
Software Director	
Bruce Thompson.....	30

Operations & Resource Director	
Denis Diekhoff.....	30
SIG Director (2)	
Bert Persson.....	30
Keary Olson.....	30
Membership Director	
Mike O'Neill.....	29
Chris Gabbert.....	1

mini'app'les Profit/Loss statement

mini'app'les
 Minnesota Apple Computer Users' Group, Inc.
 Profit & Loss Statement
 August 1996 through May 6th, 1997

Income

Donations.....	\$252.10
eDOMs Sales	
eDoms-Dragnet \$24.41	
eDOMs-Freight Collected.....	\$18.00
eDOMs Sales-Apple II.....	\$10.33
eDOMs Sales-Macintosh.....	\$355.83
Total eDOMs Sales.....	\$408.57
Interest-Norwest.....	\$83.87
Membership Income	
Membership - Corporate.....	\$100.00
Membership - Dragnet.....	\$124.00
Membership - New.....	\$910.00
Membership - Renewal.....	\$4,653.00
Membership - Sustaining.....	\$320.00
Total Membership Income.....	\$6,107.00
Total Income.....	\$6,851.54

Expenses

Hardware Expense	
Hardware-AppleLink account.....	\$71.91
Total Hardware Expense.....	\$71.91
Membership Expense	
Membership-Marketing/Promo.....	\$397.65
Membership-Postage.....	\$133.66
Membership-Supplies.....	\$26.41
Total Membership Expense.....	\$557.72
Publication Expense	
Publication-Newsletter.....	\$2,543.70
Publication-Permit/Bulk Mail.....	\$85.00
Publication-Postage.....	\$654.80
Total Publication Expense.....	\$3,283.50
Secretary Expense	
Secretary-Other expenses.....	\$11.00
Secretary-Time Answering.....	\$170.00

Secretary-PO box rental.....	\$104.00
Total Secretary Expense.....	\$285.00
Software Expense	
Software-Postage.....	\$13.07
Software-Supplies.....	\$46.81
Total Software Expense.....	\$59.88
Treasurer Expense	
Treasurer-Bank Charges.....	\$26.00
Treasurer-Insurance Expense.....	\$309.74
Treasurer-Postage.....	\$32.00
Treasurer-Supplies.....	\$92.16
Total Treasurer Expense.....	\$459.90
Vice President Expense	
Vice President-Show/Convention.....	\$36.50
Total Vice President Expense.....	\$36.50
Total Expenses.....	\$4,754.41
Net Profit/(Loss).....	\$2,097.13

Balance Sheet 5/6/97

Assets

#990009803-Checking Acct.....	\$6,548.68
#6991083886-Savings Acct.....	\$4,316.84
Equip/Computer.....	\$14,519.54
Equip/Computer-Depreciation.....	(\$13,459.30)
PrePaid Insurance.....	\$0.00
Postage BRM/Ad Correct #1907.....	\$50.00
PrePd Postage (St Paul) #2537.....	\$83.23
Total Assets.....	\$12,058.99

Liabilities

Sales Tax Payable.....	\$10.22
Total Liabilities.....	\$10.22

Equity

Current Year Earnings.....	\$2,097.13
Retained Earnings.....	\$9,951.64
Total Equity.....	\$12,048.77
Total Liability & Equity.....	\$12,058.99

(continued from page 13)

course) disk-based subscription from the publisher of The Apple Blossom. Our first issue features the work of Josh Calvin, Brian Gillespie, Gareth Jones, HangTime and Steve Cavanaugh. Stacks are created with HyperCard IIGS, and are delivered on two disks via first class mail. To effectively use Hyper Quarterly you'll

need a IIGS with 2 MB of RAM, a hard drive and, of course, HyperCard IIGS.

Subscriptions to Hyper Quarterly cost \$35.00 for a one year subscription in the United States or Canada, \$40.00 in other countries. Single issues are available for \$11.95 in the US/Canada, \$15.00 outside those countries. If you don't have

HyperCard IIGS, we can sell you that (all 6 disks) too for \$12.00 (\$15.00 outside the US/Canada).

Send subscriptions (with checks or money orders made out to "Apple Blossom Publishing"—sorry, no credit cards) to:

Steve Cavanaugh Apple Blossom Publishing P.O. Box 120434 Boston, MA 02112-0434

Benefits of your mini'app'les membership include:

A one year subscription to our monthly Newsletter

A free account on the mini'app'les BES (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 last year

included: Connectix QuickCam, Microsoft Encarta, Books from Peachpit Press and MacMillan, RamDoubler, SpeedDoubler, Lind PowerBook battery Conditioners and Rechargers, Microsoft Art Gallery, and Apple System 7.5 software.

Discounts on book orders

40% off Peachpit Press, 30% off MacMillan family of book companies (Hayden, Adobe Press, Que, Sams, Brady, NRP, and Alpha)

Periodic special User Group discount offers on equipment and software.

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

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

It's easy to recoup your cost of membership with the above benefits. And a one year membership still costs only \$25.

 **mini'app'les**
Box 796
Hopkins, MN 55343

ADDRESS CORRECTION REQUESTED

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

 **mini'app'les membership card**

EXPIRES: 99-12 ID# 160

DAN B BUCHLER
2601 WOODS TRL
BURNSVILLE MN 55337