JUNE 1992

Calendar
of
Events

M	T	W	T	F
1	2	3	4 **Mac Main Meeting** Bloomington Educational Center 90th St & Portland Ave. So. 7:00 p.m., Rooms 210-211 Subject: Financial Utilities Speaker: John Fox Mike Carlson: 866-3441 Melvyn Magree: 559-1108	5
8	9	10	11 mini'app'les **Board Meeting** Lexington Branch Library University & Lexington Aves. St. Paul, MN, 7:00 p.m. David Laden: 488-6774	12 **Programers Workshop/Think-C** 1-4 p.m. VanCleve Park Bldg 15th Ave. SE &Como Saturday June 13 —> Keven Kassulker 535-2968 VanCleve Park Bldg
15 **Fourth Dimension™ SIG** Autoline, 2714 Patton Rd, St. Paul, 7:00 p.m., Ian Abel: 824-8602 **Apple II & GS Main Meeting** Washburn Com. Library 7:00 p.m. 5244 Lyndale Ave. So. Mpls. Subject: Spreadsheets Tom Ostertag: 488-9979	16 **MacCAD/E SIG** Micro Age Computers, 5909 Baker Rd. Suite 530, Minnetonka 7:00 p.m., Bill Langer: 937-9240, Daron Applequist: 938-7001 **MircoSoft Works SIG** Highland Br. Library, 7:00 p.m.	17	18 **FileMaker Pro SIG** Highland Park Library 7-9:00 p.m. Steve Wilmes 450-7448 **North Shore Mac CIG** Bethlehem Lutheran Church Grand Marais, 7:00 p.m. Jim Ringquist: 218-387-2234	19
22 **HyperCard SIG** East Lake Library, 6:30 p.m., 2727 East Lake Street Peter Fleck: 370-0017 **Mac Novice User SIG** Highland Park Library, St. Paul, 7:00 p.m., Tom Lufkin: 698-6523	23 **Mac Programmer SIG** Van Cleve Park Activity Bldg. 15th Ave. SE & Como, 7:00 p.m. Pro. Tools & Topic Gervaise Kimm 379-1836	24 **Mac Desktop Publishing SIG** Jefferson El. School, Rm 201 25th St & Hennepin Ave. So Bob Grant: 827-6294	25 **AppleWorks™ SIG** Murray Jr. High, 2200 Buford St. Paul, 7:00 p.m. Subject: SuperFonts Applications Jim Shields: 434-9836	26
29	30			

Notes:
The deadline for articles is the 1st of the preceding month. If you want your article in July's newsletter, we must have your copy by the 1st of June. We accept advertising and want ads until the 10th of the month.

Coordinators, please call Dick Aura (941-1198) by the 1st to have your meeting listed correctly.

SIG - Special Interest Group
CIG - Community Interest Group

mini'app'les

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

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Apple eDOMs:	Bill Job, Randy Peterson & Tom Gates
eDOM Sales:	Mac – Allen Mackler & Mary Kosowski
	Apple – Les Anderson

Liaison Contacts (Contact with non-mini'app'les SIGs)

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CP/M	Jim Rosenow	(414) 261-2536
PACER Center	Karen Samuels	827-2966
TC/PC	Gervaise Kimm	379-1836

Circulation this issue: 1000

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

Membership — mini'app'les
attn: Membership Coordinator
P.O. Box 796
Hopkins MN 55343

All members receive a subscription to the newsletter and all club benefits. New members receive a package of member lists and software catalogs.

	eDOMs	At Meetings	Mail Order
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Make checks payable to: mini'app'les
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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.

Newsletter Contributions — Please send contributions directly to the Newsletter Manager, David Undlin, 6670 West 133rd St., Apple Valley, MN 55124 or upload to David on the mini'app'les BBS or DTP Exchange BBSs. You can also reach Dave at 432-0913 (voice & FAX).

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.

Meeting Dates — Please phone calendar dates and changes to: Dick Aura at 941-1198.

mini'app'les BBS — 892-3317, 24 hours: 8 data, 1 stop, 0 parity

mini'app'les Voice Mail — 229-6952

Advertising —

Newsletter Publication Staff

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Newsletter Manager	David Undlin	432-0913
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Calendar/Delivery	Dick Aura	941-1198
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Contributing Editor	Peter Fleck	370-0017
AppleLink Contributor	Rand Sibet	560-8103

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The Fine Print

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☐ Macintosh Plus	☐ Educational Application
☐ Macintosh SE	☐ Desktop Publishing
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**mini'app'les
P.O. Box 796
Hopkins, MN 55343**

Macintosh Main Meeting.	Thur., July 2	Bloomington Educational Center 90th & Portland	Note 6
Board Meeting	Thur., July 9	Lexington Branch Library, St. Paul	Note 1(members welcome)
Programers Wk. Shp..	Sat., July 11	Van CLeve Pk. Bld. 15th Ave. & Como	Note 21
Apple II & GS Main Meeting	Mon., July 13	Washburn Library, 5244 Lyndale Ave South	Note 11
FileMaker Pro SIG	Thur., July 16	Highland Park Library, St. Paul	Note 20 (New SIG!)
North Shore CIG	Thur., July 16	Bethlehem Lutheran Church, Grand Marais	Note 15
Fourth Dimension SIG	Mon., July 20	Autoline, 2714 Patton Road, St. Paul	Note 2
Micro Soft Works SIG	Tues., July 21	Highland Br. Library, St. Paul	Note 10
MacCAD/E SIG	Tues., July 21	Micro Age Computers 5909 Blake Rd., Mtka.	Note 8 & 19
Mac Desktop Publishing	Wed., July 22	Jefferson El Sch Rm 201, 25th & Henn.	Note 3
AppleWorks™ SIG	Thur., July 23	Murray Jr. High, 2200 Buford, St. Paul	Note 10
Mac Novice SIG	Mon., July 26	Highland Park Library, St Paul	Note 9
Macintosh Programmer	Tues., July 28	Murray Jr. High, 2200 Buford, St. Paul	Note 18

1. Dave Laden	488-6774	6. Melvyn Magree	559-1108	11. Tom Ostertag 488-9979
2. Ian Abel	824-8602	7. Joy Kopp	440-5436	12. Mark Evans 377-9000
3. Bob Grant	827-6294	8. Bill Langer	937-9240	15. Jim Ringquist (218) 387-2234
4. Mike Carlson	866-3441	9. Tom Lufkin	698-6523	16. Tom Michals 452-5667
5. Peter Fleck	370-0017	10. Jim Shields	434-9836	17. John Hackbarth (715) 246-6561

18. Gervaise Kimm	379-1836
19. Daron Applequist	938-7001
20. Steve Wilmes	450-7448
21. Kevin Kassulker	535-2968

Coordinators – Please Call Dick Aura (941-1198) by the 1st of the month preceding the issue month to have your meeting listed correctly.

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 away. Please: only call if you are a Member, own the software in question and during appropriate times.

Macintosh	Key	PostScript	8	Quicken	25	Prosel	2
Adobe Illustrator	21	Power Point	5	Talk Is Cheap	3	TML Basic	3, 10
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Freehand	22	Apple II	Key	Apple IIGS	Key	Apple ///	Key
General	14, 17, 18	AppleWriter	2	AppleWorksGS	15	General	12
Helix	16	AppleWorks	2, 23, 25	APW	20, 23		
HyperCard	6, 9	Ascii Express	3	Complete Pascal	10		
MacDraft	5	BASIC	5	Delux Paint II	25		
MacDraw	5	Beagle Buddy	23	General Information	3, 10		
MacPaint	5	Dazzle Draw	25	Graphic Writer II/III	15		
Mac OS	4	DB Master	7	GS/OS	3, 10		
Microsoft Excel	5, 6, 17, 18	Educational Software	25	HyperStudio GS	3		
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Networking	5, 6, 13	Publishlt!	23, 25	PaintWorks Plus/Gold	15, 25		
PageMaker	4, 6, 17	ProTERM	23, 25				

If you would like to be a "Members Helping Members" volunteer, please leave your name & phone number on our BBS or leave a voice-mail message at 229-6952.

1. Steve Wilmes	450-7448	E	9. Peter Fleck	370-0017	DEW	
2. Tom Ostertag	488-9979	E	10. Randy Dop	452-0425	EW	
3. Tom Gates	789-1713	EW	11. Ed Spitler	432-0103	D	
4. Tom Edwards	927-6790	E	12. Bob Rosenberg	377-4300	EW	
5. Earl Benser	884-2148	EW		340-0234	D	
6. Dan Buchler	435-3075	E	13. John Hackbarth	715-246-6561	D	
7. Ann Bell	422-1115	E	14. Jim Horswill	379-7624	DEW	
8. Fritz Lott	377-3032	E	15. Tom Michals	452-5667	DEW	

16. Arnie Kroll	433-3517	E
17. Michael Foote	507-645-6710	DEW
18. Richard Becker	870-0659	EW
20. Steve Peterson	922-9219	EW
21. Jodi Roste	933-1698	EW
22. Nancy McClure	227-9348	DEW
23. James C. Fullwood	454-7610	EW
25. Rand Sibet	560-8103	EW

D-days (generally 9 a.m. to 5 p.m.), E-evenings (generally 5 p.m. to 9 p.m.), W-weekends (generally 1 p.m. to 9 p.m.).
In any case, call at reasonable hours and ask if this is a convenient time for them. We appreciate your cooperation.

⌐ Announcements:

New Members

by Rand Sibet

Announcements

by members

Anderson, Harold	55112	612-784-5947
Barber, Peter G.	55407	612-825-1596
Gabbert, Christopher R.	55033	612-437-5185
Gronvall, James R.	55055	612-469-5116
Holler, Jeffrey A.	55345	612-934-9367
Loe, Doris	56260	612-367-2463
LoGalbo, John R.	55405	612-377-2337
Nelson, Wallace	55116	612-699-5009
Nordlie, Ken R.	55438	612-941-0228

Corporate Members:
McGraw-Hill Healthcare Group
Northern Hydraulics

Sustaining Members:
Dop, Randy L.
Gates, Thomas A.
Hoaglund, Gary B.
Laden, David E.
Lufkin, Thomas M.
Miner, James F.
Nelson, Clarence W.
Shaff, Thomas
Woods, Cordell

Sponsoring Members:
Anderson, Les
Bieger, Walter
Carlson, Greg
Dop, Randy L.
Fleck, Peter
Grant, Bob
Laden, David E.
Lufkin, Tom
McFarlane, Bill
Mooney, Jason
Ostertag, Thomas
Rassmussen, Gerry
Sibet, Rand
Sommers, Dan
Trotman, John
Wilmes, Steve
⍣

The Mystery of Your Shrinking Newsletter!

You may have already noticed this issue of your Mini'app'les Newsletter is smaller than usual. We have depleted our reserve of articles and had to reduce the number of pages. We attempt to use material written by our members whenever possible and fill in the blank spots with material gleaned from various on-line services. A few members have been contributing, but we need additional participation if you want to receive a full-sized newsletter in the future.

We are primarily interested in material submitted by our members — articles, reviews and little tidbits you have learned about your system and programs. You don't have to be an established author — you can start out here. Don't worry about syntax and punctuation — we have two fine editors to fix all your mistakes. Your article does not have to be long. It is easier to place short articles when laying out the newsletter. Articles of a few sentences are needed to fill a page.

You do not have to follow our seven-column format if you want to format your own article. As long as your material fits our page we will use it the way you format it — whether handwritten, dot matrix-letter quality printer, or laser output. You may submit your material in any form. Of course, we can always retype or scan your document and format it as usual.

We would also like to include graphics in the newsletter, both original and shareware. If you have something appropriate, please contact one of the newsletter staff to obtain the files from you.

A special thanks to all of you who have supported your newsletter in the past. Your contributions have been invaluable to our success.

David Undlin ⍣

New! A Mac Programmer's SIG

The Mac programmer's SIG has added another meeting each month to focus on building programming skill. The workshop usually meets the second Saturday of each month at the Van Cleve Community center near the University of Minnesota. The current choice of programming language /environment is Think C 5.0.

The group welcomes both novices and experts and is always looking for individuals who will volunteer to lead one or several meetings.

Feel free to call Keven Kassulker at 535-2968 or Gervaise Kimm at 379-1836 for more information.

We will provide more detail and directions in future newsletters.

submitted by Keven Kassulker ⍣

Apple II Main Meeting Minutes

meeting minutes

by Tom Ostertag

13 January 1992 Apple II Main Meeting

A new year ... a new location ... same group ... The Apple II crew met at the Washburn Community Library on 13 January. The new (remodeled) Library looked great and the meeting room was clean and bright. John Hyde was setting up the Mac LC when I arrived, so we started of the meeting right away.

Introductions of Officers and volunteers were made. Next were the announcements; there would be no meetings of the Apple II Desktop Publishing SIG until further notice ... The AppleWorks SIG was going to cover Spreadsheets ... next month's meeting was going to be about ... (you'll just have to read the rest of the minutes to find out!)

The Q&A section was next. The first question was about a problem with a GS giving an error message of 003. Others had seen it, but no one knew the significance of the message. The other question involved transferring PrintShop GS fonts and graphics to New PrintShop fonts and graphics. The answer was easy, PrintShop Companion GS.

At that point John Hyde took over. He had the Mac LC with an Apple //e PDS card hooked up. He also had an Apple StyleWriter attached. He described the machine and the setup and then called for Apple II software. The first program was a word processor, written in Basic from 1981 called "Write-On." John loaded a file and printed it to the StyleWriter. He said that any program on the LC, Apple or Mac could do that. Impressive!

Next was a collection of games from Tom Gates ... mostly OLD ... and most of them did work (except for one called Galactic Warrior ... which continued to reboot.) You had to see Pinball Construction set to believe it. John reset the LC speed so we could follow the bouncing ball. The one that didn't work for sure was the cassette program that Tom brought in.

AppleWorks was run from a 3.5" disk and the files were transferred to the hard drive with Apple File Exchange (supplied by Les Anderson) the ClarisWorks was used to load the files (actually only the word processing document, the spreadsheet didn't load) and manipulate them.

After a couple of questions for John, it was time to pack up and go to Perkins (Yup, Rand, there is someplace close by to eat.)

11 February 1992 Main Apple II Meeting

I like Washburn Library ... nice facility ... but the parking is for the birds or sled dogs. I had to park on top of a snow bank and then try to carry the computer across it without doing a grand slalom (appropriate for the Winter Olympics ... I got a "7.2", not good enough to qualify ...)

The discouraging thing about this meeting was that Mike Hanton, from Learning Performance Corp. was going to do a demonstration of LanPro, a hardware system for networking Apple II's. He had his secretary call at 10:00 on Monday morning and tell me he was sick. A couple of quick calls confirmed that I would have no speaker and would have to "wing" it. This was the kind of thing that Dick Marchiafava was good at, but I'm not Dick ...

9 March 1992 Main Apple II Meeting

The "Big" snowfall had wimped out but left a layer of ice on the ground, especially in the Washburn Library parking lot. I carefully carried in the Apple IIGS, the PC Viewer, the overhead projector and the Mac SE. Mark Heldt, the WordPerfect Rep for the Minneapolis area arrived with his Epson laptop and enough software for all three computers. Mark and I spent the next hour setting up and making sure that the software worked on each of the platforms. He readily admitted that he didn't have a lot of experience with the Apple IIGS version of WordPerfect, but would run through the supplied demo.

At 7:00 the meeting started. First were the obligatory introductions and announcements (a little fun poked at the arrival of System 6.0). Then the Questions and Answers ... a couple of AppleWorks questions and an inquiry about the bulletin board and finally, the audience was asked about use of MS-DOS and Mac computers. Mark Heldt was introduced and expressed surprise at the number of MS-DOS users.

His first activity was to pass out peanut M&M's to the group to snack on while he was doing the demo. The munching was a little loud, but Mark held everyone's interest with the IIGS demo. WordPerfect has some interesting features, like centering text on a page and use of help screens. Mark ran the program through the demo with great ease. Interesting, for someone who claimed not to be familiar with the program. Then he tried to take an MS-DOS WordPerfect file and transfer it to the Mac. Unfortunately, the Apple File Ex-

change (AFE) version was too old to transfer the MS-DOS files and DOS Mounter was not on the Mac. Next he transferred a Mac WordPerfect file to the IIGS using AFE and was able to load the file as an ASCII text file. This of course lost all of the formatting ... but that was probably to be expected since the Mac file was in graphics.

After the Demo, Mark produced a number of hats (with the WordPerfect logo on them) and a couple of coffee cups (also with the logo) and we had a drawing for door prizes. (Yup Steve got a hat and Lisa got a cup ...) Mark was invited to Perkins for the after meeting social gathering, but was unable to attend.

A special thanks to Mark Heldt and WordPerfect Corp. for an exceptional demonstration. Their cooperation is greatly appreciated.

13 April 1992 Apple II Main Meeting

The truth will out ... Tom Gates paid up his bet and brought M&M's to the April Main Apple Meeting. Announcements and Introductions were done as board members arrived. Questions and Answers were lively ... finding out how to use additional memory and why one's configuration reverts to the default configuration. We had several new members get involved with the discussion and a short description of Members Helping Members. Lots of good questions ... Next Mike Hanton from Learning Performance Corporation demonstrated LanPro and EasyMenu, both their products. The hard drive (105 meg) and the server card were installed in an Apple //e and the network card was in the club's GS. Mike demonstrated how the GS could run software from any memory

device on the network. He also ran DOS 3.3 and ProDOS programs. EasyMenu was demonstrated to show how easy it was to collect programs into a group that could then be run from a generated menu. LanPro will run on any Apple II's and only Apple II's and seems to be very versatile and easy to use ... great for the educational arena that it's designed for. Mike did a great presentation job and was roundly thanked for his efforts.

Next, Tom Gates gave us a brief view of System 6.0, the reason he brought the candy. He booted it up on his hard drive and showed us some of the new features and the HyperCard GS stack that listed the new features. Tom will be back next month to continue the saga of the System 6.0 software.

by Tom Ostertag

Mac Programmer's SIG Minutes

Mac Programmer's SIG Miinutes

by Steve Axdal

The April Mac Programmers meeting was held on April 28th, at Murray Jr. High School in St. Paul, just behind the Luther Northwestern Seminary. The meeting started with setting up of equipment and hashing over hot rumors and news. Details are leaking out on OCE, Apple's Open Communication Environment. Specifications indicate up to 1 MB per second encryption and decryption. Such speeds are sufficient to allow encryption on the fly while sending or receiving E-mail and network traffic. While OCE is not supposed to compete with existing E-mail systems, it appears that it will include some sort of an e-mail front end. System 7.1 should be out later this summer or fall, including an Adobe Font Rasterizer. A major change will be that the fonts will go in a font folder rather than into the system. (Further inroads into Suitcase and Master Juggler territory.) If you are running System 7, it probably will be helpful to run the TuneUp Disk, at level 7.1.1.1 as of this writing. This TuneUp is supposed to cure the vanishing folder syndrome. Yet another virus has shown up, referred to as CODE 252. This is another application-infecting virus rather than a system infection. Disinfectant has been upgraded to

2.8 in response, search strings are available for Rival, Virex, VirusDetective and SAM.

The main topic for the meeting was Mini'app'les' own Mel Magree, demonstrating the Prograph visual programming environment from TGS Systems, (The Gunakara Sun Systems). Prograph is an object oriented programming language which prevents you from making syntax errors by having no syntax! (This is not to say you can't make errors!) A program can execute simply by selecting 'Execute' from the menu without any code on your part. (Admittedly, it doesn't do anything except put up a window.) Prograph includes a compiler and will create free standing double-clickable applications. Compiled Prograph generates applications with CODE resource blocks, but not the more specific ResEdit type resources (MDEF, WDEF, etc). Information is given on how to write and include external routines, but for the most part you would work with the comprehensive classes that are provided. The classes include most if not all of the toolbox calls. Development work generally would be done in an interpretive environment, ala Smalltalk.

Mel's intention was to demonstrate Prograph by developing a simple object based drawing program. Typical of demonstrations, things did not go as planned. One features in Prograph is the method of creating an object or method, you click in a blank spot. Well, that's what Mel had done at home, but on the club SE, there was a conflict of system or memory and nothing could be created. With aplomb, Mel brought up the version of the demo he had practiced on and demonstrated the features of Prograph with that. (With semi-regular glitches as he would try to demonstrate how Prograph behaved and it wouldn't.)

Prograph is extremely difficult to describe without screen dumps. (An excellent introduction to Prograph programming is given in Mactutor Vol. 5, No. 7, p. 66 {July 1989}). Prograph uses a pictorial dataflow approach to programming, which is a bit startling at first exposure. You keep looking for code and all you see are icons strung together. Programming begins with a predefined set of classes, displayed as an inverted tree of icons on the screen. The hierarchy of the classes is literally obvious at a glance!. Double clicking on a class icon opens a window which displays method icons. Double clicking on a method icon opens a window showing the structure of the method. The icons within a method's structure can be sub-methods which will open into new windows. Your left hand plays an important role by working the shift, command and option keys singly and in combination in conjunction with mouse drags and clicks. Within a method window, lines are drawn from icon node to icon node to show how the data flows, often criss-crossing. Spaghetti code takes on new meanings in this environment! This description can only end up becoming more frustrating, so I'll stop it here. As an introduction to object oriented programming Prograph is very intriguing. Mel commented that after working in Prograph he has become impatient with the finicky typing (both keyboard and variable) necessary in Pascal.

May's program will cover (will have covered?) SuperCard, with Jeff Brown again at the controls. June may include a demonstration of a program called tickle, based on a tiny command language called tcl. Tickle may be viewed as an alternate way of making use of Apple Events in a fashion similar to Userland Frontier. It has a strongly Unix-ish flavor, including implementation of a command line interface for the Finder. An intermediate monthly programmers' meeting is developing on the second or third Saturday afternoon of each month. The Tuesday meeting covers new tools and technical developments. The Saturday meeting is intended to be a hands-on workshop for dealing with specific questions and a venue for demonstrating neat hacks. Saturday times and places have not yet been set for more than a month in advance, so this is essentially a heads-up notice. Gervaise Kimm, 379-1836, has the most accurate information about time and place.

by Steve Axdal

Mac HyperCard SIG

meeting notes

by Peter Fleck

No May meeting!

Next Meeting: June 22, 1992 at the East Lake Library in Minneapolis, 2727 E. Lake Street, near Minnehaha Mall, Target, Rainbow, and Podany's. **Times: 6:30-8:45.** Directions: From I-94, take the 25th Ave./Riverside exit and go south on 25th (becomes 26th) to Lake Street, then left 1 block. There is a parking lot behind the library, on-street parking (you don't have to plug the meters after 6 p.m.), and a church lot just east (don't use the church lot if it looks like something is going on at the church, please.)

A look at some new (and maybe some old) HyperCard stacks. Bring questions about HyperCard.

How to move resources into a stack. We'll look at some of the tools you can use including the Resource Mover in the Power Tools stack, ResCopy and ResEdit.

SIG Coordinator Wanted

Effective with the June 22 meeting, I am resigning as the SIG Coordinator for the HyperCard group. I hope to devote more time to writing (including writing for the club newsletter) and to volunteering in other ways for the club.

Duties: The bottom line is to schedule the meeting site, get the club computer and the projection equipment to the meeting, and announce the site and time in the newsletter. Extras include scheduling speakers and demos.

If you are interested in becoming the coordinator, please call me at 370-0017. You can also leave a message for me on the BBS.

You do not have to be a HyperCard expert to coordinate the SIG! It is a great way for a novice to learn more about HyperCard by talking to the pros and arranging to have them come and present programs.

I've enjoyed my time as coordinator and want to thank all who helped with various chores. Jacque Gay, Tom Edwards, and Roy Sorenson have been especially helpful in hosting meetings and shuffling equipment.

by Peter Fleck

Playing Cards:
HyperCard Tips for Scripters

HyperCard tips

by Peter Fleck•••

The following tips apply to HyperCard Version 2.1 and the Home Stack that comes with the registered software. Most should work with any current version of HyperCard whether you bought the program or received it with your Macintosh.

Making Scripts Readable

The default for text in script windows is 9-point Monaco. You can change both the font and the size by setting these two properties:

    the scriptTextFont
    the scriptTextSize

To change the font and size of the script windows — to 14-point Geneva, for example — type the following messages into the Message box and press Return:

    set the scriptTextFont to Geneva
    set the scriptTextSize to 14

The changes will affect all script windows — you can't set the font and style of each script window separately.

Shortcut for setting font and size of scripts:

Type s e in the Message box and press Return. Two dialog boxes will appear requesting the size and font. This handler is in the stack script of the Home Stack and is available in all stacks.

Double-Clicking Quotation Marks

Double-click a quote mark in the Script Editor to select all text between the marks.

Disabling the Font Check

When you start up HyperCard, an external function checks your system to make sure the necessary point sizes of certain fonts are installed so field text will display properly in stacks. Missing sizes trigger a dialog that lets you know what fonts you need to install. You may not need these point sizes if you use Adobe Type Manager, or you just may not want all these fonts in your system.

To disable this font check, open the Script Editor for the stack script in the Home Stack. Find the on startUp handler, probably the first handler in the editor. Comment out the checkForMissingFonts handler. (To com-

ment out, put two hyphens in front of the line "—.")

Troubleshooting the Address Stack

Arrow keys Go Bad

The standard HyperCard Address Stack has special arrow key handlers to allow you to move from marked card to marked card if you press the shift key with the arrow key. (Clicking the next or previous arrow button with the shift key down does the same thing.) The handler has a bug in it, however.

Here's the handler, from the background script of background "body":

    on arrowKey whichKey
      if (whichKey is "Right") and (the shiftKey is down)
      then go next marked card
      if (whichKey is "left") and (the shiftKey is down)
      then go prev marked card
      else pass arrowKey
    end arrowKey

When you hold the right arrow key and the shift key down, you've met the conditions of the first *if* statement and HyperCard moves to the next marked card. Then HyperCard checks the second *if* statement. Since the left arrow key is not down, it jumps to the *else* portion of the statement which passes the arrowKey command down the HyperCard hierarchy and triggers a normal arrowKey reaction. What you see, as the user, is HyperCard going to the next marked card (what you want) and then continuing to the next card after that (not what you want).

The Fix

Add an *else* before the second *if* statement. The fixed lines should read:

    else if (whichKey is "left") and (the shiftKey is down)
    then go prev marked card

Now when the first *if* statement executes, HyperCard will jump past the following *else* statements and exit the handler.

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Peter Fleck is the HyperCard SIG coordinator for Mini'app'les, and owner of pf Hyper, a HyperCard/Macintosh training and consulting business. ⬤

TidBITS#112/23-Mar. 92:
A Review of SuperPaint 3.0

by Matt Neuburg

a software review

submitted by Peter Fleck

SuperPaint, the old workhorse that started life as little more than a combination of a MacPaint clone and a MacDraw clone, has been given a new lease on life in the competitive world of increasingly sophisticated drawing and painting programs. Version 3.0, produced by a Silicon Beach now subjugated to Aldus, adds some splendid color tools to its already solid and easy-to-use capabilities.

SuperPaint 2.0 had lately been overshadowed by low-priced paint and draw programs (Color MacCheese, UltraPaint) incorporating the sort of color and texture tools associated with higher-priced programs; version 3.0 is clearly an attempt to reclaim some of the lost territory, and I suspect it will be successful. Serious artists may still need the greater power and precision of Canvas, Free-Hand, PixelPaint Pro, or Illustrator, but if you want to buy just one all-around program for occasional use (pictures for HyperCard, diagrams for teaching, custom color icons, and the occasional desktop image are my main uses), and you'd rather spend a bit over $100, not something over $300, SuperPaint may prove an excellent choice.

The original SuperPaint idea of combining a single draw layer and a single paint layer in one document remains a clever and powerful one. The draw layer permits precision work with basic geometrical shapes and text, and objects remain objects after you've created them: you can move them, delete them, or modify their attributes, at any time and independently of one another. It also allows objects to be encoded more precisely than the screen will show: a circle that looks jagged on the screen will be perfectly round in a higher-resolution print (such as laser printing), and you can edit at that higher resolution as well. The paint layer is just a collection of 72-dpi pixels; but even so, you can edit close up for precision work, and SuperPaint comes bundled with lots of "fun" paint tools and patterns (streams of bubbles or musical notes, that sort of thing). The result is that even the most hamfisted operator (like me) can have a good time and make something acceptable.

The burning question is whether SuperPaint can add color features without sacrificing the ease of

> The burning question is whether SuperPaint can add color features without sacrificing the ease of use that has been its trademark and greatest advantage over its higher-priced, more powerful rivals.

use that has been its trademark and greatest advantage over its higher-priced, more powerful rivals. The answer appears to be "Yes." The color tools are built conceptually onto the back of the old black and white tools in a thoroughly intuitive and straightforward way, and clever use of palettes that pop up from palettes allows easy mouse-driven access to everything (with keyboard shortcuts as well, but I can never remember them). Only one thing is clumsier to do than it was in version 2.0: making the widths for horizontal and for vertical strokes different (though there is also vastly more flexibility here than there was, so perhaps the trade is a fair one.)

Using color is just plain easy. If your line or fill is solid, you can choose a color for it (from a pop-down palette); if it is a pattern, you can choose one color for the "white" part and another for the "black" part. SuperPaint remembers all your pattern-color combinations, and posts images of them on a floating palette so that you can recreate them with a single mouse-click.

And that's not all. Included are a number of "textures" - complex color images, such as a water-surface or a delicately shaded brick wall, that can repeat at intervals of any size, even so large that no repetition may be visible on an ordinary page. Also, a number of gradient structures are included, so you can shade a round ball with a round smear of color. A solid line or fill, or the "black" part of a pattern, may be one of these textures or gradients instead of a color. You may edit the gradients, and you can create and save new textures. Since SuperPaint can also import EPS and TIFF images with full resolution (into the Draw layer as single objects), you have tremendous power and flexibility here (especially if you happen to own a scanner.)

Finally, when one image appears over another, you can set the nature of the interaction between the two: the front image's line and fill may each be opaque, transparent, or translucent. The possibilities for fun and experimentation seem endless.

Now for the down side. First, SuperPaint can be a little slow if your machine is slow; and, more significantly, it is a terrible memory hog the moment you start using color. The program tries to

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Abel, Ian	55417	612-824-9128
Abeln, Lilli	55379	612-496-1935
Adams, George	55119	612-739-8598
Adkins, Mrs. Alpha A.	55116	612-699-9324
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Bartyzal, Allen E	55379	612-445-3111
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Carlson, Peggy Sue	55413	612-781-3238
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Detlefsen, G R	55391	612-475-1525
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Dobesh, Todd	55417	612-722-7041
Dock, Bud	55125	612-735-8464
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Dop, Randy L	55438	612-943-0967
Doyle, Nancy	55409	612-822-7665
Draeger, Gary R	55417	612-869-4006
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Dust, James	55343	612-933-8117
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Eaton, John O	55108	612-646-3335
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Edwards, Kent R	55120	612-452-4956
Edwards, Lois A	55439	612-942-7234
Edwards, Thomas W	55410	612-927-6790
Eggert, Nancy A	55374	
Elberling, Jim	55122	612-688-8815
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Enerson, Marty	55343	612-922-4600
Ennis, Maridee	55344	612-944-7610
Ericksen, Gary	55431	612-888-4141
Erickson, James E	55345	612-934-9692
Erickson, Lola J	55437	612-881-4872
Erickson, Robert F.	55044	612-898-3203
Espeset, Linda	55113	612-633-1483
Ethen, Steven D	55337	612-432-3098
Eubank III, Eugene O	55419	612-926-7726
Evans, Thomas L	55435	612-920-6600
Ewing, Beverly & Stephen	55345	612-827-5140
Farrell, John	55113	612-484-6500
Fazio, Dennis	55418	612-789-0164

Name	ZIP	Phone
Fearing, Joan	55116	612-699-4606
Fehn, Simon	55444	612-560-3971
Feldkamp, Rayford E	55337	612-435-8727
Fellman, Lynn	55422	612-588-8572
Fellows, John A. C.	55122	612-452-4247
Ferens, Joseph A	55431	612-884-6028
Ferman, Jack	55409	612-822-1372
Filbin, Daniel M.	55417	612-827-7320
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Fitzgerald, Bob	55404	612-871-1612
Fitzwater, Don	55403	612-341-4396
Flannigan, Betty	55331	612-474-3513
Flannigan, Ronald E	55445	612-493-2721
Fleck, Peter	55406	612-370-0017
Flood, Gerry	55104	612-644-3757
Folmer, James	55105	612-699-7037
Foote, Michael H	55057	507-645-6710
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Frasczak, Mary Beth	55117	612-776-4900
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Fulwood, James C	55122	612-454-7610
Fundingsland, Roger E	55369	612-420-4158
Fytien II, Tod Michael	55102	612-293-1571
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Gates, Thomas A	55418	612-789-1713
Gawarecki, Chris	55345	612-937-8646
Gay, Jacqueline Landman	55417	612-722-1239
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George, Steve	55343	612-935-5775
Gersich, James J	55428	612-535-7613
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Gruber, Diane	55082	612-439-4608
Grzeskowiak, Tom	55172	612-490-3119

Name	ZIP	Phone
Gudahl, Gladys E	55436	612-922-8304
Gudden Jr, Ben	55076	612-455-3474
Gunkle, Gloria	55033	612-437-9778
Gutenkauf, Joseph J	55124	612-454-7654
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Haggerty, James J	55425	612-854-8994
Haglund, Lee Anderson or Kerry		
	55414	612-379-1435
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Hanson, Gary B	55416	612-925-4864
Harasyn, Elise	55428	612-533-1190
Harmon, Hubert N	55112	612-636-5716
Harmon, Jo	55422	612-533-9464
Harmon, Richard C	55391	612-473-8598
Hart, Melvin E.	55448	612-754-1096
Hartranft, Frank	55447	612-473-4290
Hatch, Tom	55407	612-824-1554
Hatle, Steven J	55121	612-454-9740
Hawks, Amy H	55417	612-827-7062
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Heine, George	55331	612-470-0139
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Henke, James A	55423	612-452-5911
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Hoaglund, Gary B.	55076	612-455-9379
Hockin, Dr James R	55343	612-933-6468
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Hognander, Joe	55436	612-929-6003
Holdridge, Earl	55424	612-922-7311
Holler, Jeffrey A.	55345	612-934-9367
Holmberg, Berten A	55119	612-738-2232
Holmberg, Raymond A	55407	612-724-3807
Holterman, Eric F	55409	612-822-8528
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	55406	612-724-1772
Hooper, Stanley B	55055	612-459-7915
Horswell, James W	55414	612-379-7624
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Hoye, Almon C	55436	612-920-6803
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Hum, Vilma A	55122	612-890-7451
Humphrey, Brian D	55105	612-698-6907
Husom, Harold C	55423	612-869-9003

Name	ZIP	Phone
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Indianhead Federated		
Library System	54701	
Jacobs, Robert S	55443	612-424-3036
Jacobson, James L	55425	612-888-5253
Jacobson, Steve	55441	612-559-5335
Jacoby, James W	55420	612-888-5888
James, Kevin L.	55401	612-673-9115
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Jasperson, Mike	55337	612-435-6659
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Jones, Rick	56379	612-253-8933
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	55116	612-699-5684
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Kartak, Jenny	55119	612-738-6608
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Kloempken, David	55410	612-922-0459
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Kosowski, Mary	55405	612-374-5185
Krause, James W	55416	612-377-0747
Kroll, Arnold	55025	612-433-3517
Kurtz, Molly	74464	918-456-0016
Kushmar, Jean	55331	612-474-5821
La Fontaine, Joyce	55418	612-789-1827
Laden, David E	55117	612-488-6774

Name	Zip	Phone
Laird, Sally A	55115	612-779-7035
Lamb, Michael J	55369	612-881-1697
Lampe, Fred R	27514	919-942-2735
Lang, George C	55126	612-483-1005
Lang, Ted	55422	612-377-3253
Lange, Robert G	55432	612-571-1551
Larson, Craig J	55421	612-789-5975
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Lechtman, Suzanne R	55116	612-699-2251
Lee, Cathy Jo	55025	612-464-6976
Leir, Jo Ann	54025	715-247-5108
Leisman, Wayne M	55063	612-629-2873
Lenling, Camille M	55372	612-447-8213
Lerschen, Barbara	55372	612-447-6498
Lex, Mark G	55337	612-894-1522
Lien, David	54702	715-835-0856
Light, Rick	54022	715-425-1391
Lindberg, Mary	55044	612-469-1738
Lingle, John T	55431	612-888-9766
Link, Steve	55113	612-488-7352
Little, Anthony D.	55109	612-772-3852
Litton, Stephen F	55427	612-544-1554
Loe, Doris	56260	612-367-2463
LoGalbo, John R.	55405	612-377-2337
Londeen, Dave	55437	612-881-0597
Lorimer, William L	55114	612-644-8400
Lott, Fritz	55422	612-377-3032
Lovrien, Joan	55125	612-739-6958
Lozito, Bill	55431	612-888-0313
Lozoski, Laurene E	55116	612-698-3365
Ludwig, Nicklas R.	55409	612-824-9423
Lufkin, Thomas M	55116	612-698-6523
Lunderborg, Kayleen	55431	612-888-9586
Lundin, C David	54009	808-833-7439
Mackey, Sandra	55105	612-690-0264
Mackin, Lois I	55447	612-476-4572
Mackler, Allen	55369	612-424-8889
Madsen, Timothy J.	56002	507-278-3657
Magree, Melvyn D	55442	612-559-1108
Maroushek, Dale R	55128	612-777-5309
Marsolek, Jerry	55075	612-455-3750
Martin, Andy	55345	612-937-6020
Martinson, Reid A	55110	612-492-8706
Mass, Gregory	56401	218-829-8436
Maxwell, Stephen L	55104	612-222-7600
Mazyck, Michael	55417	612-861-7501
Mc Farlane, William	55438	612-829-7210
McClure, Martin R	55105	612-227-9348
McFarland, James E.	55331	612-546-5127
McGarvie, Grace E	55447	612-473-8013
McGinnis, Cliff	55109	612-483-3660
McGinnis, Mark	55109	612-483-3660
McGraw-Hill Healthcare Group	55435	
Mcintosh, Ross	80303	303-494-6541
Mclafferty, Gregory T	55014	
MECC	55430	
Mehle, Thomas	55412	612-529-6774
Melpomene Institute	55104	
Melzer, Raymond W	55418	612-789-9337
Meyer, Byron W	55436	612-929-7364
Meyer, Dennis	55364	612-472-5023
Michals, Tom	55122	612-452-5667
Middlecamp, William J	55337	612-894-7499
Mikeworth, Yvonne	55369	612-424-7644
Miller, Anthony D	55405	612-871-2508
Miller, Jacqueline K	55337	612-890-2071
Miller, Nancy B	55403	612-333-5135
Miller, Philip	55404	612-371-0960
Miller, Robert	55076	612-450-0091
Miner, James F	55406	612-721-7791
Minuhin, Andrew	55438	612-944-6360
Miranda, Rocky V	55455	612-489-2078
Mitchell, Craig M	55343	612-935-4162
Mizuno, Nancy K	55912	507-437-7505
Molitor, Bradley	55369	612-425-1778
Moloney, Jamie	55344	
Momoi, Katsuhiko	56301	612-379-2490
Mooney, Jason	55337	612-894-3778
Moran, Jack	55424	612-920-0558
Morehead, Marc J	55444	612-560-7132
Morley, Thomas N	55420	612-884-5839
Morley, Tony	55406	612-724-2339
Motylinski, Joel	55128	612-770-0681
Moulin, Donald D	55102	
Movin' On Inc	55445	
Muegge, Jim	55119	612-735-6091
Muhl, Chuck	55431	612-831-3799
Murray, Gladys	55113	612-490-6402
Neima, Cheryl	55104	612-645-7593
Neisen, Joe	55405	612-374-4951
Nelson, Bryan G	55406	612-724-3430
Nelson, Clarence W	55084	612-454-3314
Nelson, Jerry S.	55414	612-331-6975
Nelson, Mark A.	55124	612-432-1247
Nelson, Rolf T	55429	612-420-3076
Nelson, Wallace	55116	612-699-5009
Netterlund, Myron	55428	612-535-6333
Newcomer, Nancy H	55410	612-922-9500
Newmark, Richard A	55119	612-735-4541
Nichols, Manley	56551	218-583-2124
Nichols, Rick	55439	612-941-9067
Nielsen, Donald G	55441	612-559-5942
Nollet, Judith A	55108	612-646-7359
Norback, Judy	55435	612-927-5537
Nordlie, Ken R.	55438	612-941-0228
Norman, Ben	55089	612-258-4507
Northern Hydraulics	55337	
Nye, Jonathan	55113	612-644-7895
Ogren, Lynn	55411	612-588-7939
Olejnicak, Scott	55425	612-724-7068
Olesen, C J	55343	
Oliveria, Robert T	55119	612-739-9424
Olson, Otis C.	56050	507-931-4514
Oman, Leon B.	55104	612-647-9668
Ostertag, Thomas	55108	612-488-9979
Overby, Kathy	55117	612-776-3022
Packwood, Mary	55122	612-890-4616
Parfet, John S	55077	612-454-7090
Park, Gehun	55454	612-333-1490
Patrie, Barb	55409	612-827-2782
Pehrson, Eric	55409	612-926-4620
Peitz, Paul J	55429	612-560-9370
Peploe, Ella Jean	55427	612-546-4605
Peregoy, Betsy	55409	612-823-9057
Perrin, Charles	55372	612-440-4626
Peters, David A.	55104	612-647-0366
Peterson, Brian	55125	612-738-9399
Peterson, Gin	55051	612-679-2161
Peterson, Norman C	55113	612-484-3410
Peterson, Randy L	55345	612-920-9349
Peterson, Richard H	55356	612-473-5846
Peterson, Steven E	55436	612-922-9212
Petty, Gayle M	55105	612-222-1784
Pfister, Joel W	55422	612-522-8518
Phillips, Brad	55437	612-884-0745
Picard, Donald L.	55337	612-894-3431
Piepho, Dale A	55109	612-770-6079
Plain, Robert M	55343	612-933-1837
Polymeros, Boya	55441	612-541-0954
Porter, John G	55105	612-699-5052
Possin, Christine I	56072	507-465-8233
Potter, Richard A	55417	612-822-6430
Provart, R. Wayne	55442	612-557-9189
Puff, Tim	55443	612-561-6662
Puncochar, Glenn	55418	612-781-7101
Pursel, William	55416	612-377-2122
Pyzdrowski, Mike	55343	612-935-5454
R & W Carl Advertising	56450	612-692-4387
Radloff, Charles	55416	612-926-2056
Rasmussen, Gerry	55115	612-426-2371
Ratliff, Gerald L	55104	612-647-0783
Reardon, Richard C.	55126	612-784-5884
Reed, Thomas	56301	612-255-9137
Reich, Ronald R	55420	612-888-7813
Reid, Tom R	55105	612-698-9584
Reiners, Ralph Michael	55421	612-571-4139
Reinke, Joseph F	55112	612-780-8498
Rendahl, Robert E	55408	612-825-3956
Renner, Tom	55347	612-937-2391
Rettich, Judi	55419	612-827-3268
Reynolds, Lee	55407	612-722-7577

Name	Zip	Phone
Rhoades, Bill	55057	612-652-2221
Rice, Thomas J	55126	612-484-5519
Richards, Mark	55102	612-290-2708
Riebe, Bruce A	55102	612-451-9639
Ringsmuth, Paul L	56387	612-251-7326
Rivard, Duane J	55113	612-484-8896
Roberts, Gloria P	55128	612-739-7519
Robins, Stanford	55101	612-455-9444
Robinson, E J	55424	612-925-3419
Rongstad, Kammy	55408	612-874-6573
Rose, William C	55429	612-537-2455
Rosen, Curt	55113	612-481-7891
Rosen, Michael	55404	612-339-5189
Rosenberg, Robert M	55416	612-377-4300
Ross, Teri A	55343	612-593-9085
Rossin, Thomas	55412	612-521-5155
Rost, David	55318	612-448-3150
Roste, Jodi	55343	612-933-1698
Rourke, Mary Joan	55113	612-483-1228
Ruhland, Marcie	55439	612-263-8532
Runyon, Robynne	55422	612-529-0339
Rydberg, Roger	55441	612-546-5368
Rydberg, Thomas A	55441	612-546-5368
Rydell MD, Robert E	55345	612-933-1019
Saeks, Allen I	55391	612-374-5134
Samuelson, Joanne	55112	612-636-7686
Sandven, Dorothy & Roger	55420	612-884-5841
Sanford, John E	55110	612-653-7660
Sautter Stark, Stephanie K	55426	612-595-9475
Savitt, Gregg	55426	612-546-6189
Scheible, Leon	55347	612-941-5050
Schiller, Russell	55419	612-926-5412
Schlicher, David W	55423	612-869-8262
Schloff, Leonard D	55116	612-690-2113
Schlough, W. Lee	55372	612-447-3223
Schmitt, Tom	56308	612-763-5572
Schneider, Mark R	55109	612-771-2881
Schoenfelder, Rod	55416	612-922-5518
Schoenheider, Derald	55119	612-735-5594
Schriever, Duane	55108	612-646-7891
Schwartz, Terry M.	55118	612-455-5222
Schwichtenberg, Maggie	55102	612-291-7340
Seifert, Laura	55402	
Settevig, Lisa	55102	612-224-6510
Shaff, Thomas	55105	612-225-1191
Sharpsteen, Jerry L	55337	612-890-5068
Shepherd, Beverly	54022	
Shervey, Paul	55409	612-825-3200
Shields, Jim & Wendy	55304	612-434-9836
Sibet, Rand	55444	612-560-8103
Sienko, Richard A	55422	612-542-8741
Silberberg, Sarah	55033	612-436-7517
Silberman, Sheldon	55422	612-377-0272
Simon, Judy	55417	
Slingsby, Ken	55089	507-263-3715
Smalley, Don	55105	612-698-1984
Smith, Howard Y	55418	612-789-7616
Smith, James A	55423	612-866-5664
Smith, Linda Sue	55406	612-729-1187
Smith, Paul W	55415	612-339-2868
Smith, Robert P	55423	612-861-6940
Solfest, Marguerite	55113	612-631-2164
Sommer, Susan	54768	715-644-2711
Sorenson, Gary	58106	701-235-0073
Sorenson, Leroy O	55404	612-870-7366
Sower, Gehry D	55433	612-421-1524
Spande, Bob	55436	612-941-6960
Spencer, James P.	55101	612-776-4446
Spilseth, Paul	55082	612-439-5568
Spira, Len	55436	612-935-9256
Spitler, Ed	55124	612-432-4083
Spitzer, Karen	55404	612-332-8159
St. Aubin, Donald G.	55428	612-560-0114
Starobin, Michael A.	55105	612-690-3017
Steen Hinderlie, Diane E	55416	612-929-6156
Steinbicker, William	55345	612-931-9047
Stern, Philip J	96761	612-338-6900
Stewart, Annalee	55414	612-378-0778
Stilley, George D	55427	612-544-4767
Stout, Gary	55439	612-623-3466
Stovall, David	55331	612-474-8015
Strathman, Larry	55417	612-724-2833
Strom, Kurt E	55128	612-227-8227
Stull, Eric C.	55108	612-644-1298
Surine, Susan G	55117	612-774-2224
Susskind, Ronald	55104	612-645-2730
Sutten, Jon	55372	612-496-3041
Swanson, Eugene	55418	612-789-1889
Teats, Mark	55124	
Telke, Terry	55123	612-454-6182
Thiesfeld, Chuck W	55044	612-891-5636
Thofern, David	54023	715-749-3407
Thompson, Bruce D.	55441	612-546-1088
Thompson, Douglas A	55378	612-894-6868
Thompson, James R	55117	612-486-8570
Thompson, Roy L	55113	612-636-3419
Thompson, Sheri K.	55445	612-424-3989
Thorndycraft, Julie	55331	612-470-1152
Thul, Patrick A	55423	612-866-9698
Tingelstad, Kathy M	55304	612-421-2000
Torola, Leo W.	55441	612-544-1120
Totten, William M	55116	612-699-1220
Townsend, DeWayne	55406	612-724-7010
Trotman, John A	55347	612-944-6983
Turay, Robert	55024	
Twito, Paul J	55435	612-844-0846
Undlin, David	55124	612-432-0913
University of St Thomas	55105	612-788-5094
Vader, Peter B	55418	612-869-1430
Valentine, Richard W.	55436	612-922-2885
Van Alstine, Frank	55337	612-894-5076
Van Guilder, Gerald	55119	612-776-6829
Vanden Plas, Jane M	55428	612-537-4384
Vandermyde, John W	55418	612-781-9839
VanderWoude, Carolyn	56045	
Vandruten, Jim	55416	612-591-0256
Vano, Mario P	55418	612-788-9547
Vargo, Keith	55403	612-870-0099
Verstegen, Peter	55082	612-430-0316
Vetter, Steven C	55112	612-631-3682
Victorsen, Reid	55422	612-644-7016
Vidmar, David L	55710	218-749-2960
Villarreal Jr, Daniel	55118	612-457-8528
Vimr, D J	55118	612-457-3254
Vincent, Paul J	55441	
Vind, Thomas H	56452	218-682-2572
Walinski, James P	55407	612-721-2276
Walker, Brian K	55347	612-829-7281
Walker, Darrel E	55437	612-835-4791
Walker, Stephen J	55102	612-291-0831
Walsh, Jeanne	55040	612-753-3204
Warner, William T	55346	612-937-9719
Watson, Harold J	55414	612-378-9461
Webb, Lewis F	54016	715-549-6382
Weber, Launcelot G	55441	612-835-5138
Weber, Lillian M	55437	612-926-4533
Welch, Gene P	55442	612-559-1166
Wescott, Jerome	55422	612-521-4525
West, Suzanne J.	55405	612-377-5985
Wheatley, John	55422	612-593-1557
White, Phred	55047	612-430-2412
Wiese, Dick W	55436	
Wildt, Ron	55433	612-754-2769
Wilhelm, Joel	55337	612-890-9067
Wilkening, Keith E	55437	612-831-8356
Willems, Cletus	55437	612-881-4438
Willenbring, Patricia H	55105	612-698-7047
Williams, Lindy	55438	612-944-0333
Williams, Loren	55406	612-721-3794
Willson, Tim	55430	612-566-6423
Wilmes, Stephen P	55016	612-450-7448
Wilson, William R (Bill)	55426	612-545-8368
Wirtjes, Linda	55344	612-423-3638
Wisc Indianhead Technical College	54017	715-246-5617
Wittenberg, Jill M	55345	612-872-4206
Wood, Randy	55068	612-423-4330
Woods, Cordell	55434	612-757-6368
Young, Alwin C H	55438	612-944-8909
Youngs, Steven	55346	612-934-5724
Yu, Dr Stone H	55437	
Zehrer, Mark	55345	612-934-8572
Ziemer, Edward L	55936	507-754-5020
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Hidden Treasure:
The "Computer Keyboarding" Freeware Disk

*a freeware
treasure*

submitted by
Rand Sibet

by Phil Shapiro

Every once in a while a program is uploaded to the Apple II Roundtable on GEnie that has all the polish and refinement of a commercial software program. Two months ago Charles Hartley, a middle school computer teacher from Kentucky, uploaded a disk he made called "Computer Keyboarding." If you missed seeing the freeware notice on the opening screen, you could easily mistake this program for being a commercially produced product.

Computer Keyboarding is a touch typing tutor that thoroughly and carefully drills you on touch typing skills. The program takes you right from the beginning, even giving you a short lesson in proper body posture and hand-positioning. Beyond that, the program keeps careful track of your progress, so that you can easily pick up where you last left off.

Best of all, Computer Keyboarding runs on any 64K Apple II, and does not require an 80 column card. (Presumably, therefore, it could be used on a 64K Apple II+ or an unenhanced, 64K Apple IIe.) Naturally, it should also run fine on any Apple IIc, IIGS, IIc+, and Laser 128 series computer.

Before describing this program any further, let me quote from the documentation that comes along with the disk, describing the author's motivation for making it:

"I wrote this program because I could not find a decent and affordable typing instruction program that taught typing the way I thought it should be taught. This program is unique in that it puts greater emphasis on accuracy, not speed. Other programs that I have seen or used seem to have a fixation with speed. The program is highly structured in the sense that users must attain a degree of mastery with one set of keys before they proceed with the next set. At the same time there is a degree of flexibility built into it. Users who have difficulty with a set of lines are presented with the same set again and/or are presented additional lines to type. Also, users have the opportunity to practice lessons a second time voluntarily if they wish."

When I took this program out for a test drive I was happy to see that the author included three cute little typing games. But the only way to get to these games is to progress methodically through the lessons.

Should you wish to download and use this program, here are some tips and suggestions:

The name of the shrunk file is: "Typing.Inst.BXY." You can download it to either a 5.25 or 3.5 inch disk. The program itself is quite large, and therefore needs to be unpacked to two 5.25 or one 3.5 inch disk.

Instructions for unpacking to two 5.25 inch disks is contained in the AppleWorks file titled: "Read.Me.First." First you format the two 5.25 disks using the given volume names. Then you can unpack the shrunk files to the two disks by following the given directions.

As with most downloadable programs, the final step is to copy ProDOS and BASIC.SYSTEM onto your bootup disk. But before you boot this disk, WAIT! Make a backup copy first. Put the original aside. Because after you register your name to the disk, the disk will not allow someone else to register under a different name.

The whole idea is that each person gets their own typing disk, where the program keeps careful track of your progress. Since the software is freeware, there is no reason why you can't easily make ten, twenty, or as many copies of the disk as you need. But if you register your name on the disk before making the copy, you'll have to go through the whole unshrinking procedure to produce a virgin "unregistered" disk.

One final note: the documentation in the "Read.Me.First" file is contained in an AppleWorks 3.0 word processing file. Even if you don't own AppleWorks 3.0, you can still display this file on your screen by using the "Type" command on ShrinkIt. You may want to take some written notes if you plan on unshrinking the file to two 5.25 inch floppies.

If you're an adult who is still doing the "hunt-and-peck" routine, now you have no excuse for not learning to type with ten fingers. If you know of any teenagers who have some spare time this coming summer, learning to type with Computer Keyboarding could be one of the best uses they could make of their free time.

Charles Hartley, the talented programmer who made Computer Keyboarding, invested months of work in producing this disk. The fact that he willingly shares this program as freeware is a testament to his generous and caring spirit. We

with job search strategies, too.

One BBS that caught my eye is the ALIX (Automated Library Information Exchange) BBS in Washington, D.C. This BBS posts announcements about jobs in government and other libraries. Notably, openings at the Library of Congress are posted here. (Phone: 202-707-4888)

Several boards have been set up to announce jobs in the "emergency response" field. Presumably such jobs would include police officers, firefighters, and emergency medical technicians.

The chapter on Computer & Data Processing lists boards that include toll-free tech support from modem makers (such as Hayes and U.S. Robotics). But the chapter also lists boards whose focus is C programming, assembly language programming, and object oriented programming.

This book is clearly a labor of love. Researching all the facts in the book must have taken several months of hard work. Organizing this information into subject categories must have been no small chore, either.

The only small criticism I have of this book is that the sales pitch on the back cover of the book comes across a little too strong. In my mind, the sales pitch promises just a tad bit more than the book delivers.

All in all, Modem USA would make a useful addition to almost any library. Telecommunication enthusiasts might want to obtain a copy for their personal bookshelves, too.

With updates to the book planned, the book itself takes on a life of its own. Given proper encouragement, this 190 page large-sized paperback may well grow up to be the "Whole Earth Catalog" of the Information Age.

Phil Shapiro

[The author is the founder of Balloons Software, a new Apple II educational software company. He can be reached at Balloons Software, 5201 Chevy Chase Parkway, NW, Washington, DC 20015.]

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Submitted by Rand Sibet

compensate by using a virtual memory scheme (only showing on screen what it can maintain in memory, and keeping the rest on disk); but when I've assigned the program 4500K and I keep getting "Not enough memory to do that" alerts, I believe I've a right to be a bit exasperated, especially when "that" is something simple like save my document as a startup screen.

Second, don't throw away your copy of Adobe Illustrator. SuperPaint has no facilities for making text follow a path. Worse, its Bezier tools (for determining mathematically the characteristics of a curve) remain as clumsy as in version 2.0: handles are not marked as to what point they belong to; you are not shown changes smoothly as you work and have mostly to operate by blind guessing and then waiting for the result to appear; and you can easily accidentally rocket yourself out of Bezier mode when you are not finished editing.

Finally, if there isn't a PostScript (e.g. laser) printer in your life, be prepared for a disappointment at print time. On a laser printer, even a black and white one, SuperPaint will reduce every-

thing intelligently to simulated gray shades, and will show all items from the draw layer (including rotated text and Bezier curves) in perfect high resolution. But on a QuickDraw device such as a StyleWriter, your output won't be much better than on an ImageWriter: nearly everything is reduced to 72 dpi, a waste of your 360 dpi capacity. Come on, Silicon Beach, I know you can do better than this, because Adobe Illustrator translates Bezier curves into high resolution and complex color blends into beautiful smooth simulated gray-shades on a StyleWriter. My crystal ball says some third party has or will develop an engine for converting SuperPaint's PostScript output into nice StyleWriter images. But then, my crystal ball has never been right yet.

Submitted by Peter Fleck

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are fortunate to have such a creative, sharing soul as an active members of the GEnie Apple II community.

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Submitted by Rand Sibet.

A Book Review of "Modem USA"

a book review

submitted by Rand Sibet

Low Cost and Free Online Sources for Information, Databases, and Electronic Bulletin Boards via Personal Computer and Modem in 50 States

by Lynne Motley, 190 pages, $16.95 ($3 Air Mail shipping)

Publisher and distributor:
Allium Press
P.O. Box 5752-553
Takoma Park, MD 20913-5752
ISBN: 0-9631233-4-3
LC No. 91-076711
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This newly published reference book contains a wealth of information on government-operated and privately-run electronic bulletin boards. The book itself is divided up into the following thirteen subject categories: 1) Medical and Health Info, 2) Library and Book Info, 3) Government Info, 4) Environment and Nature Info, 5) Police and Public Safety Info, 6) Science Info, 7) Music Info, 8) Jobs and Employment Info, 9) Gardening and Horticulture Info, 10) Real Estate Info, 11) Genealogy Info, 12) Writing Info, and, 13) Computer Info.

Each section starts out with a listing of toll-free phone numbers, followed by a listing of bulletin boards organized alphabetically by state. Each entry in the book is accompanied by a short annotation, ranging in length from a brief sentence to a full paragraph.

The first section I perused was the section on government information. My curiosity was piqued into finding out whether gigabytes of governmentally compiled information could be tapped via a simple phone call.

While I was happy to find many government BBS's right in the Washington DC area (where I live), few of the them beckoned me to put down the book and call. I was a little disappointed to find that the Library of Congress hasn't set up a public BBS yet. (Or if they have set one up already, it's not listed in this book.)

One BBS that caught my eye is the U.S. Dept. of Transportation's Federal Highway Administration BBS. (Phone: 202-366-3764) This BBS contains downloadable text file reports on all sorts of trans-portation safety concerns. Ralph Nader could have the time of his life calling this board.

Another BBS that has downloadable files of civic interest is The All Night Book Store, in Newark, NJ. (Phone: 201-751-9420, 7 p.m. to 7 a.m., Eastern time) The annotation says, "Call here for a copy of the Freedom of Information Act, with form letters for your use (go to Door 5.)" It's amazing that Lynne Motley, the author of this book, was able to track down such golden nuggets.

After paging through the section on government-oriented boards, I headed over to the Medical and Health section. With health care so much a national concern these days, it's hardly surprising to find quite a few bulletin boards organized around health care themes. One particular BBS in Kansas City even offers the advice of a family practice physician to people who call in with questions. How delightfully progressive. (For serious questions, kindly e-mail your own physician, though.)

Naturally, other health theme bulletin boards offer health and community resource information on topics such as disabilities, AIDS, nutrition, and addiction. To have so much useful information accessible with a simple dialing of your modem is a great convenience. Think of how much easier it is to call a BBS late in the evening, rather than scheduling a trip to the public library during your busy day.

Incidentally, do you need a GIF graphic of the Jarvik-7 artificial heart? A BBS in Juneau, Alaska, has exactly what you're looking for.

Moving onto the chapter on genealogy bulletin boards, it's interesting to note that almost every state has at least one bulletin board set up for genealogy enthusiasts. Some of these boards concern themselves with genealogy in general, while others concern themselves with a particular population. An example of a particular population might be persons of European ancestry, Australian ancestry, or Texan ancestry, or Jewish ancestry.

One interesting BBS in Atchison, Kansas, provides an online database of all headstones of local cemeteries. Now that's what you would call an imaginative database application.

The Job & Employment Information chapter contains bulletin boards that deal with employment in general, and employment within specific fields. Some of these boards have conferences dealing

AppleWorks™ Hints —
from Washington Apple Pi

AppleWorks
tips

submitted by
Rand Sibet

Chuck Newby, the former head of the Beagle Buddy program, had some interesting comments to make about AppleWorks. Chuck was discussing data base categories in ProLine and posted this interesting information:

"When AppleWorks as first written as III Easy Pieces for the Apple III and almost immediately for the Apple IIe/c as AppleWorks, you must remember that the computer maxed out at 64K and, after loading AppleWorks, you had a 10K desktop.

"This is why AppleWorks is modular, meaning that as desktop needs increased, AppleWorks kicked itself off the memory and became more and more disk-based. The Extended 80-column card helped immensely and, after that, AppleWorks had a 56K desktop to work with. AppleWorks was, from then on, sold with about one out of every two Apple IIe or IIc computers.

"The expansion memory in the AUX.SLOT was to expand AppleWorks and virtually no other program, and it also made Applied Engineering and Checkmate millions of dollars. AE spent much of their Memory/AppleWorks Expansion software revenues buying full page ads in InCider, A+ and Nibble that they buried Checkmate which actually had a better memory board, better AppleWorks expansion software, and better RAM disk driver.

"As soon as Checkmate went out of business, AE more or less dropped their AppleWorks/ Memory card stuff and went on to other things. However, compatibility problems with Beagle Bros. TimeOut also forced them into the sidelines in AppleWorks expansion software. Alas, Beagle Bros came up with the answer to memory managers too, thus negating any need for AE in this arena!

"Why did AppleWorks only have 30 categories? Because AppleWorks on a stock 64K machine only had a 10K desktop."

Chuck also gave us this interesting tidbit too, "AppleWorks first puts down a new copy of your file, validates it, then erases the original file. To do this, the saved file will be named AWTEMP.0000000. After validating the saved file, AppleWorks erases the original file and renames the temporary file with the name of the original. Usually, this is transparent to the user; however, if you save a file that is locked, or save it to a disk that doesn't have enough room, you can end up with an incomplete save, resulting in a file named AWTEMP.000000 on the disk.

Once this happens, AppleWorks will no longer be able to work properly with this disk. You will even find that you may have trouble getting rid of the offending file. I have found the most successful way to remove it is by renaming it something without AWTEMP in the name, then erasing it. You can avoid this when saving to a disk that doesn't have enough room by ANSWERING "YES" RATHER THAN "NO" WHEN APPLEWORKS GIVES YOU THE MESSAGE, "NOT ENOUGH ROOM ON THE DISK. O.K. TO ERASE THE ORIGINAL? THIS DOES HAPPEN LESS OFTEN WHEN YOU USE A 3.5" DISK OR HARD DISK DRIVE. [Emphasis is ours]

Another WAP member adds this thought: "Even with AppleWorks 3.0, I have seen crashed disks when the user allows AppleWorks to delete files while trying to save a new one if there is no additional room on the disk. I have a policy: NEVER use Open-Apple S to save any file in Appleworks. And never allow AppleWorks to remove an old file when saving a new one.

"Along with this is a corollary: Always use new disks to save on when the old one is about 3/4 full."

===>ACES<===

"Even with AppleWorks 3.0, I have seen crashed disks when the user allows AppleWorks to delete files while trying to save a new one if there is no additional room on the disk ...

Submitted by Rand Sibet ◆

Top Ten Mistakes Made by New Computer Users

by Ray Holan, NEOAC

Issues in Computing

submitted by Rand Sibet

1. Buying and attempting to learn too many programs at once.

Surveys show that the average personal computer owner only knows about three or four programs. Don't think you can be an expert on every program ever written. I work with Apple II's every day, all day long and I only use three or four different programs on a regular basis. Take it easy and completely master a couple of simple applications

2. Buying new programs rather than using the full potential of those you already have.

If you simply operate an application according to what you see in the menus and in the manual, you are probably missing a lot of capabilities. Almost every program has hidden features or ways to utilize existing features in imaginative ways. Milk that old program dry before you move on to the promises of new programs.

3. Not analyzing what tasks you will do on your computer before buying more software.

If you don't, you may buy an overpriced program, loaded with complicated features, to do some simple task. For example, why buy a full-blown desktop publishing program like Publish It or Springboard Publisher, when all you plan to do with it is a two-page semi-annual newsletter.

4. Getting demoralized by comparing yourself to more experienced computer users.

Everyone out there knows SOMEONE who knows more about the Apple II than they do themselves. So what? If you are getting your work done on the Apple, you have nothing to be ashamed of. Apple II owners, as a group, are so enthusiastic about their computers that they are more than willing to lend a hand. Not only that, but you will probably have enough knowledge to help other, still newer, owners. Get into the give and take. You probably know more about the computer than you give yourself credit for.

5. Not reading the manual.

Plan on reading the manual three or four times. Read it once before you even try using the software. Then read it again after you used the program two or three times. You'll be amazed at how much you missed the first time. Read the manual again whenever you have a problem with the program. The more complicated the program, the more value you'll get out of reading and re- reading the manual.

6. Not practicing.

Most frustrated computer owners don't practice enough. I said frustrated, because if you practice, you won't be frustrated. The normal problems of getting up to speed operating a computer are not beyond anyone of normal intelligence. It just takes practice. Don't operate your computer only when you have an important task at hand. Practice a few minutes every day on some new technique.

7. Going it alone.

There is so much to know and so much new information coming out, it is hard for one person to keep current. Don't be so prideful that you don't ask for help if you feel you need it.

8. Not joining an Apple Users Group.

This is an offshoot of mistake 7, going it alone. Apple Computer's idea of technical support is to refer you to an Apple dealer. That's support? Well, fortunately for Apple, there are hundreds of user groups out there. That's where technical support for the Apple II really exists. By staying in tune with a user group, you can avoid damaging techniques, overpriced products, and unnecessary problems.

> By staying in tune with a user group, you can avoid damaging techniques, overpriced products, and unnecessary problems.

9. Not using the "Copy & Play" learning technique.

The Copy & Play technique will make you an Apple expert faster than anything else you can do. Copy & Play means that you make a fresh copy of the System disk which came with your Apple. Then with your original safe in your desk drawer, you can do ANYTHING you want to your copy of that disk. Let's say you foul up in the worst possible way. What damage have you done? Absolutely none. You simple reinsert the copy disk and erase the contents. Bingo, a fresh new disk to play with. I'm continually surprised by how many Apple owners who don't know how to

September Software Expo!
We'll Be at the Science Museum of Minnesota

software news

submitted by
Peter Fleck

The Science Museum of Minnesota is holding a software expo on September 11 and 12, 1992. The Museum has invited Mini'app'les be a part of the expo. Our club would demonstrate major and minor Macintosh and Apple software at ten (count 'em) ten booths. Besides being software gurus, we can have special demonstrations/discussions in the auditorium of the Museum, and we can sell memberships and eDOMs.

The whole arrangement is in the process of being finalized by the Mini'app'les board and those in the know foresee no problems. Tom Gates is the club coordinator for the event.

This is an excellent opportunity to show the community what Mini'app'les is about and to attract new members. The last time a fair like this was held at the Science Museum, close to 2,000 people attended.

We will need volunteers! We need folks with software expertise. We need folks to sell the club (and eDOMs). No matter what your level of computer savvy, we can use you. For more information on the Expo check out the Shows and Expos area on the Mini'app'les BBS (892-3317) or call Peter Fleck at 370-0017. Be the first on the volunteer list!

by Peter Fleck ✦

Mistakes continued from page 19

format a blank disk or how to copy a file from one disk to another. On a IIGS computer, try adding news fonts and new desk accessories to the system disk. Don't be afraid to experiment. It's the best way to learn.

10. Not backing up your data disks.

Even the most expert Apple users will occasionally clobber a data disk and face the possibility of losing weeks of work. Backing up your most important disks on a regular basis will let you use your computer without worrying about this problem. Then if something goes wrong and you accidentally wipe out the 500 names and addresses on your Christmas list, there's no problem. First check out your computer to make sure the problem wasn't mechanical (use the copy of the System disk in rule for this purpose.) Then rebuild your lost files from the backup disk. Nothing to worry about. [*] ACES [*] [The Apple Computer Enjoyment Society is a not-for-profit users group which has been helping Apple and clone computer owners since 1979. A.C.E.S. reserves the rights to all materials printed herein. All articles that are not protected by copyright may be reprinted by Apple User Groups and other non-profit computer organizations. Such reprints must give credit to the author and A.C.E.S., Inc. PO Box 291557, Ft. Lauderdale, FL 33329.]

Submitted by Rand Sibet ✦

Current Apple System Software Available Through mini'app'les

Software	Version	Date	Format
Apple II, II+ //c, //e			
DOS 3.3 System Master	n/a	09/10/85	5.25"
Apple II System Disk	3.2	07/16/90	5.25"/3.5"
ProDOS 8	1.9	07/16/90	5.25"/3.5"
Apple IIGS			
GS/OS System (6 disks)	6.0	4/92	3.5"
HyperMover (2 disks)			3.5"
Macintosh			
System 7.0 (9 disks)	7.0	4/25/91	3.5"
System 7 v1.1.1 Tuneup	n/a	4/25/91	3.5"
Quicktime (2 disks)	6.0.7	10/09/90	3.5"
HyperMover (2 disks)			3.5"

Apple System Software disk prices are as follows:

3.5" System disks	$3.00 each.
5.25" System disks	$1.00 each.

Notes:

System/Program Disks are available only as a complete set.
GS/OS System v6.0 is $10.00 per set.
Mac System v7.0 is $15.00 per set.

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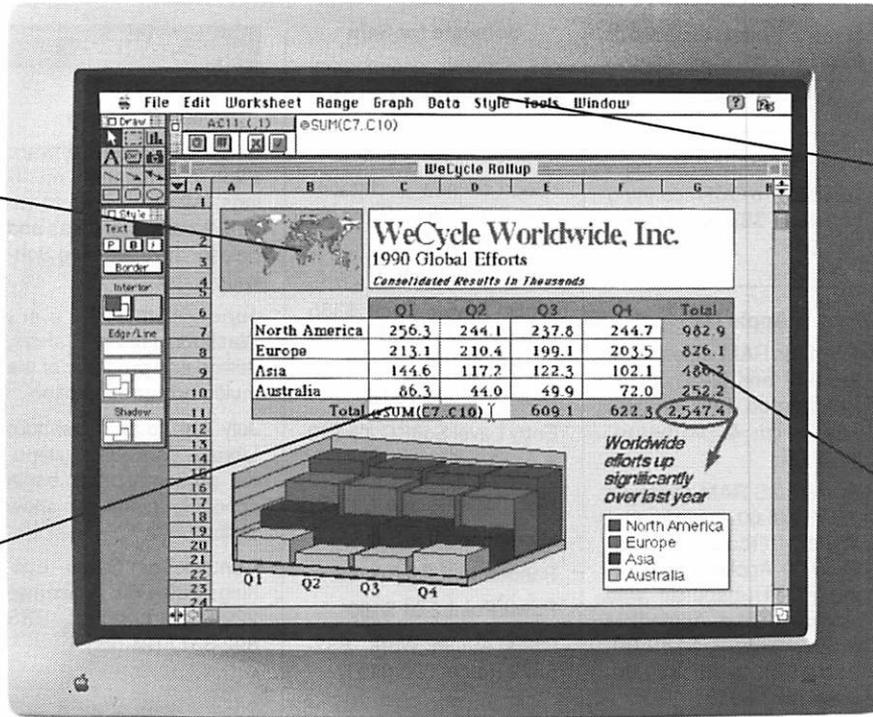
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Europe	213.1	210.4	199.1	203.5	826.1
Asia	144.6	117.2	122.3	102.1	486.2
Australia	86.3	44.0	49.9	72.0	252.2
Total	@SUM(C7..C10)		609.1	622.3	2,547.4

Worldwide efforts up significantly over last year

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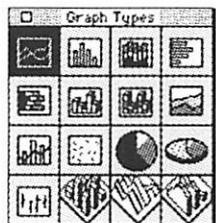
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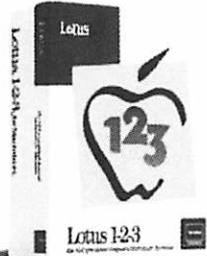
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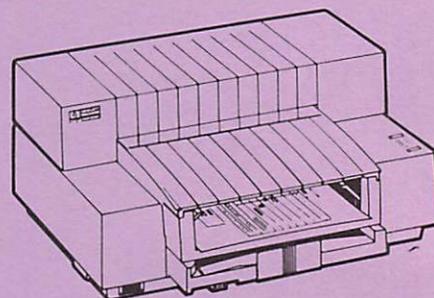(612) 432-0913

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