

# Apple mini' app'les

## Newsletter

\$2.00

the Minnesota Apple Computer Users' Group, Inc.

**CLUB PICNIC!**  
THURSDAY, AUG. 26, 6:30PM  
MINNEHAHA PARK, MAIN PAVILLION  
COME ONE, COME ALL - B.Y.O.BASKET

### August Events

Sun	Mon	Tue	Wed	Thr	Fri	Sat
1	2	3	4	5 MINI' APP'LES 7pm	6	7
8	9 Apple SIG 7pm	10	11	12 Apple SIG 7pm	13	14
15	16 4D 7pm	17	18	19 FileMaker Pro SIG 7pm	20	21
22	23 ? 7pm	24	25	26 Apple SIG 6:30pm Club Picnic	27	28
29	30	31				N/A

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**MINI' APP'LES**  
Board of Directors - Mini' app'les  
Members Welcome - Norwest Bank.,  
5320 Lyndale Ave. S, Mpls -  
Greg Carlson, 544-8252

**Apple II SIG**  
Apple IIGS Main - Data Recovery: Jim  
Hirsch - Fridley Branch Lib., 410 NE  
Mississippi St., Fridley - Tom Ostertag,  
488-9979

**HyperCard SIG** - Scripting Q&A - E.  
Lake Lib., 2727 East Lake St., Mpls -  
Peter Fleck, 370-0017

**Macintosh Main** - Data Recover:  
Ontrack Computing - Augsburg Park  
Lib., 7100 Nicollet Ave., Richfield -  
Mike Carlson, 377-6553

**4D**  
Fourth Dimension SIG - Metro II, 1300  
Mendota Heights Rd, Mendota Heights -  
Ian Abel, 920-5520

**FileMaker Pro SIG** - Open Discussion -  
Highland Park Lib., 1974 Ford Pkwy.,  
St. Paul - Steve Wilmes, 458-1513

**Macintosh Novice SIG** - Open Forum -  
Highland Park Lib., 1974 Ford Pkwy.,  
St. Paul - Tom Lufkin, 698-6523

**Picnic!** - Everyone Invited; Bring  
your own food/ Potluck dessert -  
Minnehaha Park main pavilion,  
Mpls - Tom Ostertag, 488-9979

**Macintosh DTP SIG** - Call for day &  
location - Bob Grant, 827-6294

#### The following meetings are cancelled until September:

Apple II Novice SIG - Tom Gates, 789-1713  
AppleWorks SIG - Les Anderson, 735-3953  
Mac Programmers SIG - Gervaise Kimm, 379-1836  
Programmer's Workshop - Keven Kasulker, 535-2968





### Board of Directors

President	Gregory L. Carlson 8216 32nd Ave. N. Crystal, MN 55427	544-8252
Vice-President	Tom Gates 3425 Wilshire Place Minneapolis, MN 55418	789-1713
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Operations & Resource	Allen Mackler	424-8889
Publications Director	Hugh Johnson	780-6053
Software Director	Samuel Goshorn	827-4948
SIG: Macs	Wade Brezina	(715) 485-3585
SIG: Apples	Erik Knopp	636-3244
Director at Large	Kevin Kassulker	535-2968

### Cordinators

Beginners Consultant Dakota County	Earl Benser Tom Michals	835-2523 452-5667
Mac Users SIG	Mike Carlson (days)	866-3441
4th Dimension SIG	Ian Abel	824-8602
CAD & Engin. SIG	Bill Langer	937-9240
DeskTop Pub. SIG	Bob Grant	827-6294
FileMaker Pro SIG	Steve Wilmes	458-1513
HyperCard SIG	Peter Fleck	370-0017
Mac Computer Art. & Design SIG	Joy Kopp	440-5436
Mac Novice SIG	Tom Lufkin	698-6523
Mac Programming SIG	Gervaise Kimm	379-1836
MicroSoft Works SIG	Ken Edd	631-3679
North Shore Mac Users	Jim Ringquist	(218) 387-2234
Apple II Users SIG	Tom Ostertag	488-9979
Apple IIGS SIG	Mark Evans	935-7251
AppleWorks® SIG	Les Anderson	735-3953
Apple II DTP		
Beginner's Basic SIG	Tom Alexander	698-8633
Languages/Tech SIG	Wesley Johnson	636-1826
Tech. Adviser (hardware)		

### Software Director's Staff

Mac eDOMs:	<i>open</i>
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)

Medical	Stewart Haight	644-1838
CP/M	Jim Rosenow	(414) 261-2536
PACER Center	Karen Samuels	827-2966
TC/PC	Gervaise Kimm	379-1836

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

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

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

**Newsletter Contributions** - Please send contributions directly to our Post Office, Box 796, Hopkins, MN 55343 or upload them to our BBS at 892-3317.

**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 Information** - Please phone calendar dates and changes to: Erik Knopp at 636-3244.


**Mini'App'les BBS** - 892-3317, 24 hours: 8 data, 1 stop, 0 parity

**Mini'App'les Voice Mail** - 229-6952

**Advertising** - call Lance Weber, 542-9331

### Newsletter Publication Staff and Credits:

Layout Editor	Hugh Johnson	780-6053
Calendar Updates	Erik Knopp	636-3244
Design Innovations	Jim Wheeler	-
Macintosh Editor	James Folmer	646-2003
AppleLink Contributor	Tom Mehle	-
Contributor	Peter Fleck	370-0017
Contributor	Tom Ostertag	488-9979
Contributor	Steve George	935-5775
Contributor	Tom Gates	789-1713
Contributor	Wade Brezina	(715) 485-3585
Contributor	Greg Carlson	544-8252

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# SEPTEMBER 1993

Board of Directors	7:00 Thursday, Sept. 2	-location pending-	1
Macintosh Main	7:00 Thursday, Sept. 9	-location pending-	4
SoftwareFair	9:30-6:00, Fri-Sat, Sept. 10-11	Science Museum of Minnesota, St. Paul	22
Apple II/GS Main	7:00 Monday, Sept. 13	Highland Park Lib, 1974 Ford Pkwy, St.Paul	11
FileMaker Pro SIG	7:00 Thursday, Sept. 16	Highland Park Lib., 1974 Ford Pkwy	20
Fourth Dimension SIG	7:00 Monday, Sept. 20	Metro II, 1300 Mendota Heights Rd	2
Apple II Novice SIG	7:00 Tuesday, Sept 21	Murray Jr. High, 2200 Buford St., St.Paul	22
Macintosh Novice SIG	7:00 Monday, Sept. 27	Highland Park Lib., 1974 Ford Pkwy	9
Mac Programmers' SIG	7:00 Tuesday, Sept 28	Murray Jr. High, 2200 Buford St., St.Paul	18

1. Greg Carlson	544-8252	6. Melvyn Magree	559-1108	11. Tom Ostertag	488-9979	18. Gervaise Kimm	379-1836
2. Ian Abel	920-5520	7. Joy Kopp	440-5436	12. Mark Evans	377-9000	19. Daron Applequist	938-7001
3. Bob Grant	827-6294	8. Bill Langer	937-9240	15. Jim Ringquist	(218) 387-2234	20. Steve Wilmes	458-1513
4. Mike Carlson	866-3441	9. Tom Lufkin	698-6523	16. Tom Michals	452-5667	21. Kevin Kassulker	535-2968
5. Peter Fleck	370-0017	10. Les Anderson	735-3953	17. John Hackbarth	(715) 246-6561	22. Tom Gates	789-1713

Coordinators - Please contact Erik Knopp (on our BBS or at 636-3244) by the 1st of the 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 call only during appropriate times, if you are a Member, and own the software in question.

<b>Macintosh</b>	<b>Key</b>	PostScript	8	Talk Is Cheap	3	TML Basic	3, 10
Adobe Illustrator	21	Power Point	5	TimeOut	2	TML Pascal	3, 10
Beginners	13, 14, 18, 24	QuickBasic	5, 6	TO Graph	2	Writer's Choice	15
Canvas	5	XPress	21				
FileMaker II, Pro	1, 17						
Freehand	22	<b>Apple II</b>	<b>Key</b>	<b>Apple IIGS</b>	<b>Key</b>	<b>Apple III</b>	<b>Key</b>
General	14, 17, 18, 24	AppleWriter	2	AppleWorksGS	15	General	12
Helix	16	AppleWorks	2, 23	APW	20, 23		
HyperCard	6, 9	Ascii Express	3	Complete Pascal	10		
MacDraft	5	BASIC	5	Delux Paint II	23		
MacDraw	5	Dazzle Draw	23	General Information	3, 10		
MacPaint	5	DB Master	7	Graphic Writer II/III	15		
Mac OS	4, 18, 24	Educational Software	23	GS/OS	3, 10		
Microsoft Excel	5, 6, 17	General Information	23	HyperStudio GS	3		
Microsoft Word	4, 5, 6, 14, 17, 24	Home Acc'n't	20	Merlin 16+	15		
Microsoft Works	11, 17	PublishIt!	23	Mousetalk	15		
Networking	5, 6, 13	ProTERM	23	PaintWorks Plus/Gold	15, 23		
PageMaker	4, 6, 17	Quicken	23	Prosel	2		

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	458-1513	E	9. Peter Fleck	370-0017	DEW	16. Arnie Kroll	433-3517	E
2. Tom Ostertag	488-9979	E	10. Randy Dop	452-0425	EW	17. Michael Foote	507-645-6710	DEW
3. Tom Gates	789-1713	EW	11. Ed Spitzer	432-0103	D	18. Richard Becker	870-0659	EW
4. Tom Edwards	927-6790	E	12. Bob Rosenberg	377-4300	EW	20. Steve Peterson	922-9219	EW
5. Earl Benser	884-2148	EW		340-0234	D	21. Jodi Roste	933-1698	EW
6. Dan Buchter	435-3075	E	13. John Hackbarth	715-246-6561	D	22. Nancy McClure	227-9348	DEW
7. Ann Bell	422-1115	E	14. Jim Horswill	379-7624	DEW	23. Rand Sibet	566-8571	EW
8. Fritz Lott	377-3032	E	15. Tom Michals	452-5667	DEW	24. Hugh Johnson	780-6053	DEW

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

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## Note

Due to unexpected budgetary constraints, the plan for the re-organization of the newsletter, as outlined last month, cannot be fully implemented at this time. Apologies and thanks go to Jim Wheeler, whose basic innovations have been and continue to be

invaluable. With luck and perseverance, we will continue gradually to build on his plan.

This issue is laid out almost entirely in Microsoft Word®.

Hugh Johnson 🍏

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## Apple II Meeting News

### Main Apple II and IIGS Meeting Notes

by Tom Gates

The June main meeting saw us all moving to the north side of the cities to the Anoka library on University and Mississippi Street in beautiful Fridley. Tonight was the night to learn about InterNet. As if it had all been planned this way, the July issue of A+/inCider reached most mail boxes the week before and had a several page spread on InterNet. A wonderful companion article if I may say.

And, if that wasn't enough coincidence, this was also the night to draw ProTerm door prizes. Greg Schaefer had stopped by the Mini'app'les table at the Spring Swap Meet and very kindly donated several ProTerm T-shirts (collector's items with the InSync logo) and a copy of ProTerm 3.1. Yep, tonight was destined to be a telecommunications night!

After the normal set of announcements and Q & A, we began the evening with a presentation from Pat Sonnek who has been a BBS System Operator (Sysop) since 1984.

Pat runs a BBS system in this area called "Algonquin". He went into a bit of the history and reasoning behind the name by telling the story of a number of the literary giants that would gather at the Algonquin hotel. Eventually the hotel owner provided them with a room of their own to use for meetings, decked out with a lavish 'round table'.

This proceeded to a relatively more recent history of InterNet and its beginnings in serving military contractors, research universities and the like across the United States. It has gone from humble beginnings to a world-wide network of thousands of nodes.

The niche Pat serves with his BBS is to gather information 'feeds' from InterNet and provide them locally on his BBS. Without having access to InterNet through a University or local business, this is typically the only way the average person is able to get access to the vast amounts of information on InterNet. Pat gathers feeds from a number of areas he is personally interested in as well as those areas that users of Algonquin can twist his arm for.

To get more information on Algonquin, contact it by computer at (612) 772-8628.

Next up for the evening was Kevin Trainor. Kevin works locally for the company "Digital Express Group, Inc." out of Greenbelt, Maryland. Kevin's company is in the business of providing individuals with direct access to InterNet through a series of local nodes that they have begun to set up across the Eastern, and now Middle, United States.

As mentioned above, typically to gain access to InterNet, you would need to have access through a university that you are attending or the company you work for. The average person would not be able to afford the thousands of dollars it takes to set up and maintain a node. Enter Digital Express Group, Inc.

Their function is, as a larger corporation, to set up a local InterNet node and rent access to individuals. They call this "Direct Access™" which should be available beginning about the middle of July, 1993. This way, anyone that wishes to have direct access to InterNet can do so outside of the university or an employer. They offer a couple of different service plans, limited and full access, for \$15 and \$25 per month respectively. For more information you can contact Kevin Trainor at (612) xxx-xxxx.

Please mention to both Pat Sonnek and Kevin Trainor that you've heard of their BBS and InterNet services through Mini'app'les. Thanks!

If memory serves, Dick Peterson, Barney Barker and Denis Diekhoff made off with T-shirts. And yours truly, is now committed to writing an article on this new ProTerm package. (honest, no ticket stuffing occurred).

As always we adjourned to the Pie SIG at the local Perkins. The highlight there was seeing a 'very well' executed check-jump by some teenagers. A mad dash out the door to waiting cars in a far parking lot. Oh our youth! 🍏

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### Apple II Novice Group Meeting Minutes

by Tom Gates

With the June meeting, we kicked off our journey down the road of Disk Operating

Systems (DOS – rhymes with Boss) that have been (and still are) used on the Apple II computers.

This month we began with the original DOS or DOS 3.3. Yes, there were a couple of versions out before DOS 3.3, but it is the most widely known and used of the early versions.

I was beginning to fear that I might be preaching to the choir when we started getting some tough questions on the basics from one of the new members of the user group. He, like many others has recently gotten used Apple II equipment and has more questions than manuals to answer them.

Just as we got going real good on the topic, the summer hours at Murray Jr High caught us off guard and about a half hour earlier than expected. So look for some follow-up on DOS 3.3 at the July meeting and then jump into ProDOS.

We take a break in August and hope that everyone gets out the second annual Mini'app'les picnic at Minnehaha Park and has a great time. Then we'll be back at it in September with any follow-up on ProDOS and then into GS/OS on the IIGS machines. Look forward to seeing you at the meetings.

As always, meeting adjourned to the Pie SIG at the Roseville Perkins. 🍏

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### AppleWorks Meeting Minutes

by Tom Ostertag

There we were, all set for an enlightening demonstration of TimeOut Grammar when one of our regular attendees came in with a request to rescue a file she had on a disk. It was giving read errors from AppleWorks (by the way, that W in the middle of AppleWorks isn't a Capital W – it's only a 3/4 capital; ask Kevin Reichard on Gizmode), but was readable using ProSel. Here we were presented with a dilemma... Do we start the meeting and put off the recovery effort or do we call this Questions and Answers time? Well, here we were in Q&A time, copying files from the Program disk to a data disk, and Hugh Johnson asks if he can take some time to see if anyone is willing to be an Apple II Newsletter Editor.

He did manage to twist Barney Barker's arm pretty bad, and since Barney has a 3.5" drive, he was a good candidate. Introductions were also made about this time (this was not a normal meeting, folks). Tom Gates, Erik Knopp, Hugh Johnson, etc. We never did get to the announcements until Pie SIG. There was a question on word count capability and as it was being shown in the Spell Checker, it was a natural lead-in to TimeOut Grammar.

The installation and options were explained and demonstrated. A number of questions were asked and a comment about tailoring the program for ValleySpeak was

noted, although without much enthusiasm. The demo was cut short as the Custodian arrived to lock up the doors. We hurriedly packed up and headed for Perkins and the Pie SIG. The Chicken Teriyaki was on special for \$.31 off of the regular price and the discussion ranged from Gold Wing Motorcycles to vacations on Madeline Island to Real Estate scandals to System 6.0... and several shades in between. The Pie SIG continued after announcements were made.

Remember to set aside 26 August for the 2nd Annual AppleWorks and Barbershop Quartet Picnic. (I lied about the Barbershop Quartet part). This year it will be at the

main Pavilion at Minnehaha Park, not at Sucker Creek, last year's location (will it make it through the Luthernizer?). The Picnic is open to all Apple II, Mac and MS-DOS users (with their parents permission) who would like to get together. It's like last year, bring your own food and a dessert to share (preferably chocolate!) with those who come.

The July meeting will be at Murray Jr. HS also. Greg Carlson will be discussing UltraMacros (?) and the date is 22 July.

All for now...

Tom 🍏

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## Macintosh Meeting News

### Most Powerful Mac Ever!!!

by Wade Brezina  
Macintosh SIG Director

Speed increases of over 1000% for less than \$50!

Wouldn't we all like more performance from our Macs? Wouldn't it be even better if that performance could be achieved for \$25? It can!

The most powerful and cost-effective performance enhancement for the Macintosh computer is a user group that addresses your needs. How many times have you spent hours trying to figure out how to do something, only to have someone show you how to do it in less than five minutes? Many people don't even realize that their computer could solve some of their everyday problems. However, when someone else shows how their computer has made their life easier it makes sense. Now you can enjoy the benefits of more power from your Mac!

Mini'app'les has a wide variety of user groups that help people with a wide variety of needs. These groups are the most powerful resources available to the computer user. Real people with real neat ideas, experience, problems, and solutions! Each month these people get together to share ideas and learn how to make their computing life better! In the front of this newsletter, you will see the calendar of current user group meetings as well as names and phone

numbers of the appropriate contact people. Check it out. You'll be glad you did!

As the new Macintosh SIG director, I would like to expand and promote Mini'app'les special interest groups. I know that these groups are very effective and do make peoples' lives easier. Have you tried one of these outstanding resources for increasing your performance? If not, try going to one this month. If you have a need that is not being met by a current user group, and have an idea for a new one, please jot your ideas down and send them to me C/O Mini'app'les. We would like to expand the special interest groups so that as many people as possible can take advantage of the ideas and fun they have to offer! 🍏

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### Mac HyperCard SIG Report

by Peter Fleck

**June Meeting:** At the June meeting we took a look at integrating QuickTime movies into HyperCard using the Claris external commands and functions. With these externals it's possible to completely control a QuickTime movie with HyperCard and to even allow for some interactivity. Clicks on the movie window can be trapped (the external even gives you the location of the click). You can also loop a segment of a movie or reverse and show a previous section.

With the QuickTime externals that come

with the registered version of HyperCard, and the Audio Help stack (for sound input) that was given to Macintosh customers until recently, you have the makings of a low-cost multi-media environment that's almost perfect for working with elementary and high school students. Video input cards can now be purchased for as low as \$250 (the QuickImage 24, but act fast as they are no longer manufactured). You can use almost any source for the video: VCR, camcorder, etc. Or get your hands on some of the free QuickTime movies that are beginning to become available on BBSs.

Of course, you will need to spend a bit of time learning how to use the externals but HyperCard includes a Help stack for this purpose, with some excellent demonstrations.

**Next Meeting: Monday, August 9** at the East Lake Library in Minneapolis, 2727 E. Lake Street, near Minnehaha Mall, Target, Rainbow, and Podany's.

**Times: 7:00-8:45**

**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).

**Topic:** General discussion of scripting and more QuickTime and sound demos. 🍏

The Minnesota Science Museum's "Software Fair" is coming soon,  
September 10<sup>th</sup> & 11<sup>th</sup> (9:30-6:00).

Volunteers are needed to assist with preparations  
Call Tom Gates at 789-1913 to offer your help today!

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# Apple II Feature: The History of the Apple II - part 4

THE APPLE II, CONT.  
[v1.1 :: 12 Dec 91]

Compiled and written by Steven Weyhrich  
© Copyright 1991, Zonker Software

## OTHER DESIGN FEATURES

Since Steve Wozniak was the designer of the Apple I and II, exactly what contribution did Steve Jobs make to the effort? Unlike Wozniak, who would not think much of extra wires hanging out of a computer that worked properly, Jobs had an eye for the appearance of the final product. He wanted the Apple II to be a product that people outside the Homebrew Computer Club would want to own:

"Jobs thought the cigar boxes [housing the home-made computers] that sat on the ... desk tops during Homebrew meetings were as elegant as fly traps. The angular, blue and black sheet-metal case that housed Processor Technology's Sol struck him as clumsy and industrial ... A plastic case was generally considered a needless expense compared to the cheaper and more pliable sheet metal. Hobbyists, so the arguments went, didn't care as much for appearance as they did for substance. Jobs wanted to model the case for the Apple after those Hewlett-Packard used for its calculators. He admired their sleek, fresh lines, their hardy finish, and the way they looked at home on a table or desk."<sup>1</sup>

The final case design made the Apple II look quite different from most of their competition. The other computers looked like they had been assembled at home (and many of them were). The Apple had no visible screws or bolts (the ten screws attached at the bottom). It had the appearance of some variation of a typewriter, but still looked futuristic enough to be a computer. The friendliness of the design even extended to the lid, which popped off easily to allow access to the expansion slots, almost inviting the user to look inside (unlike most electronic devices that held the warning "CAUTION! NO USER SERVICE-ABLE PARTS INSIDE").<sup>2</sup>

Other aesthetics to which Jobs paid attention were the color of the keyboard, vents for heat dissipation (avoiding the need for a noisy fan), and a shape and color that would blend in with other items in a home or on a desk. He also hired an engineer who was good with analog circuitry (not Wozniak's area of interest) to design a reliable, lightweight power supply that would stay cool. The engineer, Rod Holt, was working at Atari at the time, but was convinced to help Jobs and Wozniak. He developed a new approach (for microcomputers) by taking household current and

switching it on and off rapidly, producing a steady current that was safe for the expensive memory chips. The final design of this switching power supply was smaller than a quart carton of milk and was quite reliable. Holt also helped design the television interface for the Apple II.<sup>3</sup>

The new company was racing to have the Apple II ready for the First West Coast Computer Fair in April of 1977. Some last minute bugs had to be eliminated; because of a static electricity problem affecting a sensitive chip, the keyboards went dead every twenty minutes. Chris Espinosa and Randy Wigginton, two high school students who were early employees of Apple, had written programs to demonstrate the computer's color and sound. They were hurriedly working to duplicate these programs on cassette. People at Apple were working to fix blemishes in the computer cases that had returned from the plastics molding company. The name for this new computer was also finalized as "Apple II", following the example of Digital Equipment Company, who had given each newer version of its PDP series a higher number (PDP-1, PDP-6, etc.). They stylized the "II" in the product name by using right and left brackets, and displaying it on the case as "[I]". The final product bore the mark of each person at Apple:

"The computer that appeared at the West Coast Computer Faire was not one person's machine. It was the product of collaboration and blended contributions in digital logic design, analog engineering, and aesthetic appeal. The color, the slots, the way in which the memory could be expanded from 4K to 48K bytes, the control of the keyboard and hookup to the cassette recorder, and the BASIC that was stored in the ROM chip - in effect the motherboard - was Wozniak's contribution. Holt had contributed the extremely significant power supply, and Jerry Mannoek the case. The engineering advances were officially recognized when, some months later, Wozniak was awarded U.S. Patent #4,136,359 for a microcomputer for use with video display, and Holt was given Patent #4,130,862 for direct current power supply. But behind them all Jobs was poking, prodding, and pushing and it was he, with his seemingly inexhaustible supply of energy, who became the chief arbiter and rejector... [Finally,] the combination of [Mike] Markkula [Apple's first president], Jobs, and the McKenna Agency turned Apple's public bow [at the West Coast Computer Faire] into a coup."<sup>4</sup>

## PRODUCT INTRODUCTION

As they prepared for the display at the First West Coast Faire, it was decided to create a new corporate logo. The original one, used in sales of the Apple I, was a picture of Isaac Newton sitting under an apple tree, with a phrase from Wordsworth: "Newton... 'A Mind Forever Voyaging Through Strange Seas of Thought... Alone.'" Jobs had been concerned that the logo had part of the slow sales of the Apple I, and the Regis McKenna Agency was hired to help in the design of a new one.

"Rob Janov, a young art director, was assigned to the Apple account and set about designing a corporate logo. Armed with the idea that the computers would be sold to consumers and that their machine was one of the few to offer color, Janov set about drawing still lifes from a bowl of apples ... He gouged a rounded chunk from one side of the Apple, seeing this as a playful comment on the world of bits and bytes but also as a novel design. To Janov the missing portion 'prevented the apple from looking like a cherry tomato.' He ran six colorful stripes across the Apple, starting with a jaunty sprig of green, and the mixture had a slightly psychedelic tint. The overall result was enticing and warm ..."

"[Steve] Jobs was meticulous about the style and appearance of the logo ... When Janov suggested that the six colors be separated by thin strips to make the reproduction easier, Jobs refused."<sup>5</sup>

For the Faire, Markkula had ordered a smoky, backlit, illuminated plexiglas sign with the new logo. Although Apple had a smaller booth than other companies displaying their products at the Faire, and some of the other microcomputer makers (Processor Technology, IMSAI, and Cromemco) had been in business longer, Apple's booth looked far more professional, thanks to Markkula's sign. Some of the other participants, companies larger than Apple, had done no more than use card tables with signs written in black markers.

Because they had been one of the first to commit themselves to displaying at the Faire, Apple's booth was near the entrance and was visible to everybody entering the convention center. They demonstrated a kaleidoscopic video graphics program (possibly an early version of "BRIAN'S THEME") on a huge Advent display monitor, catching everybody's attention. But, after the Faire its organizer Jim Warren (Homebrew club member and editor of DR. DOBB'S JOURNAL) didn't think that

Apple was a strong exhibitor. Byte magazine, in their report of the show, failed to even mention Apple. Despite these early opinions by influential people, over the next few months Apple received about three hundred orders for the Apple II, over a hundred more than the total number of Apple I's sold.<sup>6</sup>

#### COST

Prebuilt systems were also sold by Commodore (the 6502-based PET, for \$595), and Radio Shack (the Z80-based TRS-80, for \$600). This was quite a bit less than the Apple II's premium price of \$1,298 for a 4K computer, a pair of game paddles, and an audio cassette with demo programs. This price did not include a cassette recorder or monitor (which both the PET and TRS-80 did include). The hardware limitations and lack of expandability of those machines, however, offset some of the price difference. Also, one other hardware introduction for the Apple II that happened in mid-1978 set it well ahead of its immediate competitors; we'll get to that shortly.

#### EXPERIENCES OF EARLY USERS

The original manual for the Apple II was sparse. It consisted of thirty photocopied pages, including some handwritten notes from Woz. The cover stated, "simplicity is the ultimate sophistication: introducing Apple II, the personal computer." In early 1978 these original photocopied manuals were replaced with the new "Apple II Technical Reference Manual" (also known as the "Red Book"), and copies were mailed to previous customers. Steve Jobs realized that people often viewed the quality of a product by the quality of its documentation, and so he took pains to get manuals that were easy to read and had a professional appearance.<sup>7</sup>

Setting up an early Apple II was fairly simple. The lid popped off easily, and one of the first things you would attach was the Sup'r Mod (RF modulator). This was plugged onto two pins sticking up from the back rear of the motherboard, near the video output jack (assuming that you did not also buy a REAL computer monitor). The game paddles were two small black boxes, with a knob on the top attached to a potentiometer (similar to volume controls

on a radio) and a tiny black button on the side. These boxes were attached via a narrow cable to a plug that looked (and was) fragile; this plug also went into a small socket in the motherboard. Lastly, you attached your data storage device (the cassette recorder) to the input and output jacks in the back of the computer.

After turning on the Apple II, the first thing to greet you was a screen full of random alphabetic characters and symbols, and possibly some colored blocks (lo-res graphics mode might be turned on). Here you had to press the RESET key in the upper right hand side of the keyboard, which, after releasing the key, would cause a "beep!" and an asterisk to appear in the bottom left-hand corner of the screen. (If the lo-res graphics mode had been on, it would now be off). Next to the asterisk (which was a prompt to show that you were in the Monitor) was a flashing box, the cursor. To get into BASIC, you had to press the "Ctrl" key and the "B" key simultaneously. Now you would see a different prompt, one that looked like a ">".

At this point, you could either begin entering a BASIC program, or try to load one from cassette. To load from cassette was not always easy; it took time to get the right volume and tone settings on the tape player in order to avoid getting the "ERR" or "\*\*\*\* SYNTAX ERR" message. (And if you didn't have much memory, you might get a "\*\*\*\* MEM FULL ERR" message!) When you got it properly loaded, you could type RUN and see what happened. Beyond that, it was more or less up to you to actually find something to DO with your new toy.<sup>8</sup>

#### EARLY HARDWARE ADD-ONS

Aside from the M&R "Sup'r Mod" that allowed early Apple II users to run their computer on their color TV's, some other enterprising hackers designed their own versions of modulators. One used by an early member of an Apple user group in Washington State (Apple Pugetsound Program Library Exchange, or A.P.P.L.E.) was somewhat better shielded than the "Sup'r Mod". It had its own power supply and plugged into the video output jack on the back of the Apple. The "Sup'r Mod" was by far the biggest seller, however.<sup>9</sup>

At first, there were no interface cards for any of Woz's eight slots. With the limited funds that computer purchasers had then (and now) there was not much they could afford after shelling out anywhere from \$1200 to \$1800 just to get their own Apple II. But they were innovative, and like many other hardware hackers of the day managed to make do with old or surplus parts. Some people, for instance, had gotten their hands on used teletype printers, such as the ASR-33 (called "battleships" because they were so rugged and heavy). Since there weren't any printer interface cards to plug into the slots to allow the computer to communicate with the teletype, they used a trick they learned from Woz himself. The Apple II had four single-bit output pins on the game controller socket that could be used for various purposes. A schematic floated through the various user groups that showed how to connect the teletype to an annunciator pin; along with it was a machine language program that re-directed output from the screen to that one-bit port, and on to the printer.<sup>10</sup>

#### NEXT INSTALLMENT: The Disk II

#### NOTES

- <sup>1</sup> Michael Moritz, THE LITTLE KINGDOM, p. 186.
- <sup>2</sup> Steven Levy, HACKERS: HEROES OF THE COMPUTER REVOLUTION, pp. 263-264.
- <sup>3</sup> Moritz, p. 189.
- <sup>4</sup> Moritz, pp. 190-191.
- <sup>5</sup> Moritz, p. 188.
- <sup>6</sup> Moritz, pp. 192-193.
- <sup>7</sup> Philip Chien, "The First Ten Years: A Look Back", THE APPLE II REVIEW, Fall/Winter 1986, p. 12.
- <sup>8</sup> APPLE II BASIC PROGRAMMING MANUAL, 1978, 1979, 1980, 1981, pp. 1-19.
- <sup>9</sup> "A.P.P.L.E. Co-op Celebrates A Decade of Service", CALL-A.P.P.L.E., Feb 1988, pp. 12-27.
- <sup>10</sup> Val J. Golding, "Applesoft From Bottom To Top", CALL-A.P.P.L.E. IN DEPTH #1, 1981, p. 8.

submitted by Greg Carlson 🍏

## Macintosh Feature: PowerPC Update

From TidBITS#182/28-Jun-93  
© 1990-1993 Adam & Tonya Engst.

So what's the deal here? Is the PowerPC chip real? Is the Macintosh line dead? Is it true that if you look at the signatures in an

SE case in a mirror one of them reads "Elvis Presley Lives?"

Good questions, all, except the last one, so whoever asked that one, go wash your head. I'm not an engineer, and I'm not an Apple insider, so I'm basing my impres-

sions here on vapor, rumor, and gut feel. So what's new?

For those coming late to the game, the PowerPC chip is one result of the Apple-IBM deal, with Motorola brought in to help with the design and manufacturing. The

chip itself is RISC-based (Reduced Instruction Set Computing, or killer fast) and scalable, which means that it will be easy to create different versions for different levels of hardware, PDAs, desktop machines, workstations, and so on. I think Ford has even announced plans to put it in a car, although that strikes me as overkill unless they have something new and neat in mind. Apple and IBM both intend to use the chip in new machines, but for the purposes of this article, we'll ignore IBM. It's not hard if you practice.

The current schedule, which is surprisingly on target or even slightly ahead, has the first PowerPC-based Macs appearing in January of 1994. Those machines will run current Macintosh applications without modification in emulation mode at about the same speed as the 68040-based Centris machines. It will also run native PowerPC applications (of which we may not see many right away) at speeds ranging from two to five times faster than the fastest Quadras right now. There's no telling where in that range the first PowerPCs will fall, although I wouldn't scoff at twice the speed of a Quadra.

In addition, if you're concerned about Intel's forthcoming Pentium chip, I gather that the PowerPC 601, the first of the PowerPC chips, is faster, smaller, cheaper, cooler, and uses less power. Don't worry, though, it will be just as easy to spot Pentium-equipped PCs as it is to spot PCs now. Almost all of them come with this useful little warning required by the Truth In Advertising Act, saying "Intel Inside."

So the PowerPC is going to be a winner next winter from what we hear now. But Apple has the Centris 660av and the Quadra 840av, code-named Tempest and Cyclone respectively, slated for this summer. They will sport all sorts of new technology, including a built-in digital signal processor, which will allow them to perform voice recognition and synthesis, as well as emulate a fast modem when combined with the new high-speed GeoPort for serial and network communications. Both machines will have built-in digital video, allowing them to capture and output 16-bit color video without additional hardware. They also feature direct memory access to the CPU buses, built-in Ethernet, and a faster NuBus. In short, these are killer Macs, especially at the \$2,300 estimated for the Centris 660av.

But as much as these two new Macs will represent a major architectural change, the PowerPCs go farther. Will these be the last two 68000-based Macs? Unlikely, especially until a PowerPC PowerBook becomes possible. Are they the beginning of the end for the 68000 line? Very possibly. Think back to the IIfx and its special SCSI/DMA controller that was supposed to improve SCSI performance, but languished

unused without system software support. Could the same thing happen to the Centris 660av and Quadra 840av? I just don't know, but I see three possible ways to deal with this situation as an interested consumer.

First, let's assume that the PowerPCs aren't going to be real for some time after January of 1994, in terms of available hardware (although Apple is rumored to be already stockpiling the PowerPC 601 chip that the first PowerPCs will use) and software that will take advantage of the PowerPC's native mode. If that's the case, then the Centris 660av and Quadra 840av suddenly reign supreme at the high end, and anyone who needs that kind of speed will go for the known quantity of the 68040 chip. So wait until this summer and buy one. I don't think you'll regret it, although I'd wait just long enough to confirm that your applications don't have trouble with the new technologies.

Second, let's continue to assume that the PowerPCs won't be real for some time, and that the large quantities of new technology in the Centris 660av and Quadra 840av scare you. That's not a poor assumption for those of you who don't enjoy the bleeding edge of technology. Almost every major change in Macintosh technology has required a few months of break-in time, during which the application vendors scramble to achieve compatibility or to take advantage of the new technologies. There's nothing wrong with that, and the Mac II, the IIfx, and the Quadras have all become stable, useful, machines after those first few months. So if you don't wish to take risks of any sort, but you need a new machine soon, you should think carefully about buying a nice Centris 610 or 650, or perhaps a Quadra 800. If it were my money on the line, I'd recommend the Centris 610 since you want to remain flexible on the PowerPCs, so you shouldn't spend all your money now, even if you can't wait.

Third and finally, let's assume that the PowerPCs are going to appear in January of 1994 and that all the major Macintosh applications will run in emulation mode just fine. If you can wait until January for those first few models of the PowerPC, that might prove to be the move of the year, although as with anything electronic, the first PowerPCs will be obsolete within a year or so. But what's obsolete when you have native mode applications running several times faster than a Quadra?

Surprise surprise, I'm in this very quandary right now. I'm working on an SE/30 that started out life as a double-floppy SE in 1988, and although it has served me well and has been rewarded with 20 MB of RAM and ever-increasing amounts of disk space, I fear that I am slowly becoming more in need of a faster machine. In some respects I can wait to see

how things shake out because the SE/30 really is fast enough. Heck, I'm writing my Internet book entirely in Nisus on the PowerBook 100. If I only had a Plus, I would be far more inclined to jump for a Centris 610 right now, or maybe hold out for a Centris 660av this summer. Waiting until January might be just too long if I were working on a Plus.

But then there's the technology issue. I'm actually a bit of a wimp when it comes to buying new technology (comes from not having unlimited funds, no doubt), but I want voice capabilities bad. Although my carpal tunnel seems to be in control, I have to watch how much I type, and even with the Curtis MVP Mouse (a trackball) and its footswitch, I find that I sometimes overdo it on mousing. If I could reduce the number of clicks and keystrokes with voice control.... So I personally have to wait for at least the av Macs, but then comes the question of the PowerPCs. Is it worth holding out just a few months longer? The PowerPCs won't have DSP chips in them because the Apple engineers found that the PowerPC chip could do the same tasks as the DSP chip even faster, so adding the DSP chip didn't provide any speed benefits. It's hard to ignore that kind of raw power.

If pressed, I would say that the issue hasn't really changed. The first rule of buying computers is that you buy what you can afford when you absolutely need it. If you can wait, the prices will drop and the power will increase. So I always advise waiting as long as you can possibly stand it (keeping in mind that it may take a while to get your machine of choice even after ordering it), and then buying the best machine you can. Also, if possible, immediately start ignoring all reports of faster machines or cheaper prices — they just make you unhappy. Be content with what you have and rest assured that it was the best choice when you bought it. It's the only way to stay sane in this fast-moving world.

Motorola PowerPC Information Pack—  
800/845-MOTO

Information from: Pythaeus

submitted by Peter Fleck 🍌

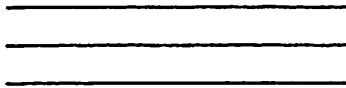
## Mini'app'les Picnic

Thursday, August 26, 1993, 6:30 PM  
Minnchaha Park, Main Pavillion  
All Members & their families invited  
Bring Your Own Food, Potluck Dessert



Cut along dotted line

Last Fold - Seal with Tape



NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES



2nd Fold

**BUSINESS REPLY MAIL**  
First Class Mail Permit No. 1907 Hopkins, MN

POSTAGE WILL BE PAID BY ADDRESSEE

**Mini'app'les**  
**PO Box 796**  
**Hopkins, MN 55343-9905**

1st Fold



3rd Fold

Dear Mini'app'les,  
Please direct this to the:  
 Membership Director  
 Software Director

# Handy Forms

Use these handy forms for Change of Address, Memberships, and eDOM Orders

eDOM Pricing			Meetings	Mail Order
<b>Members:</b>	5.25" eDOM	\$3.00	Add \$1.00 per disk, \$4.00 max.	
	5.25" System	\$1.00		
	3.5" Apple/Mac eDOM	\$5.00		
	3.5" System	\$3.00		
	3.5" Mac System 7.0	\$15.00		
<b>Non-Members:</b>	5.25" eDOM	\$6.00		
	3.5" Apple/Mac eDOM	\$10.00		

Yes . . .

I'd like to join!

Please accept my mini'app'les MEMBERSHIP APPLICATION.

eDOM Order Form				
Quantity	eDOM Number or Description	Disk Size	Unit Price	Total Price
<b>Total</b>				
Shipping (see chart above)				
Total Order				
ID # _____				
Name _____				
Address _____				
City _____				
State _____ Zip Code _____				

**1. Please Print or Type:**

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip Code \_\_\_\_\_

Telephone \_\_\_\_\_ Work \_\_\_\_\_

ID # \_\_\_\_\_ Exp. Date \_\_\_\_\_

**2. Please enroll me as a mini'app'les member:**

<input type="checkbox"/> Individual \$25.00	<input type="checkbox"/> Foreign \$40.00
<input type="checkbox"/> Student * \$15.00	<input type="checkbox"/> Educational \$50.00
<input type="checkbox"/> Sustaining \$40.00	<input type="checkbox"/> Corporate \$100.00

**3. Please tell us your special interests:**

Which personal computer do you use:

<input type="checkbox"/> Apple II	<input type="checkbox"/> Apple III	<input type="checkbox"/> Apple IIe
<input type="checkbox"/> Apple IIc	<input type="checkbox"/> Apple IIc+	<input type="checkbox"/> Apple IIgs
<input type="checkbox"/> Laser	<input type="checkbox"/> Other _____	
<input type="checkbox"/> Plus	<input type="checkbox"/> SE	<input type="checkbox"/> SE/30
<input type="checkbox"/> II	<input type="checkbox"/> IIx	<input type="checkbox"/> IIcx
<input type="checkbox"/> IIci	<input type="checkbox"/> IIfx	<input type="checkbox"/> IIsi
<input type="checkbox"/> IIvx	<input type="checkbox"/> Classic	<input type="checkbox"/> Classic II
<input type="checkbox"/> Color Classic	<input type="checkbox"/> LC	<input type="checkbox"/> LCII
<input type="checkbox"/> LCIII	<input type="checkbox"/> Quadra	<input type="checkbox"/> Centris
<input type="checkbox"/> Portable	<input type="checkbox"/> PowerBook	<input type="checkbox"/> Performa

What peripherals do you own or use:

<input type="checkbox"/> Printer	<input type="checkbox"/> Laser Printer	<input type="checkbox"/> Modem
<input type="checkbox"/> Scanner	<input type="checkbox"/> Other _____	

What are your areas of interest:

<input type="checkbox"/> Business	<input type="checkbox"/> Home	<input type="checkbox"/> DTP
<input type="checkbox"/> Education	<input type="checkbox"/> Other _____	

Referred by: \_\_\_\_\_

I am interested in volunteer opportunities.  
My special interest is: \_\_\_\_\_

I do not wish to receive non-club promotional mailings

Your new member's kit will arrive in 3 to 6 weeks.

**If you are moving...**

Copy your newsletter mailing label showing current address in this space:

Expire _____	ID No: _____
Name: _____	
Address: _____	
City, St., Zip: _____	

Print your new address in this space:

Address: _____	
City, St., Zip: _____	

Please let us know six weeks before you change addresses. Thank you.



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## News from the Software Director

### APPLE //GS GS67 – CDA'S, AppleWorks, and pictures

GS67 contains a potpourri of various CDA's, NDA's, and graphics for your entertainment.

CDAterm – a CDA terminal for the Super Serial card

Dragon Wars CDA – Character revival CDA for Dragon Wars

Interrupt Detector CDA

Startpic – allows display one or more SHR pictures while booting a hard drive.

X10 – BSR-X10 CDA's

Toolshed – CDA to list system tools and locations – by Jason Harper

WSPL – World's smallest Program

launcher – shareWare \$5

TransWarp – Control panel

Graphics – SHR pictures of Basselope, Bert & Ernie, Dinosaur, Archaeopterix, Bugs Bunny, Garfield, Dragon, Holmes and Watson, and Quality.

#### AppleWorks:

Drinks db – drink mixing database

Education – everything you need to keep records if you are a teacher; includes class averages, individual averages, grade books, answer sheets, periodicals, software evaluation forms, inventory, and budgets!

Databases – magazine index, albums,

book lists, Christmas lists, vegetable gardening, medical, rolodex, bibliography, space shuttle, and Star Trek!

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### APPLE // eDOM #97 – TAWG AWGS templates

Apple // Slots

Calendar for 1987 & 87

Catalog list exec file

Coil Collection

Days between dates

Food/gardening – word processor file

Genealogy – word processor

mousetext list – spreadsheet

recipe – database

rules to live by – word processor

Star Trek – database

Stopwatch – word processor

Vegetable garden – data base

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### MACINTOSH

#### Mac eDOM #884 – Rapmaster 1.0.1 © 1992

FreeWare by Bryan K. "Beaker" Ressler

Rapmaster is a fun program to use for producing your own "rap" music.

Rapmaster uses a software module called Asynchronous Sound Helper. Rapmaster is a "software toy." Like all toys there's a point where you'll get bored with it.

Rapmaster has a drum machine, a bassline generator, sound effects, a voiceover unit, and a scratch pad. Use these together to produce your own self-styled musical creations.

The "beatbox" is a drum machine with six different rhythm patterns. The "bassman" provides corresponding bass lines. You can mix and match beats with basslines in any combinations you wish.

The "effects" section has four sound effects often heard in pop music. The "scratch pad" provides record-scratch effects.

The "voiceover" section lets you record anything you like for playback in your own creation.

Rapmaster is provided in a self-extracting compressed file. It must be put on a hard drive, as the decompressed file takes 902K (It might work on a high-density floppy).

MacWorld magazine August 1993 in "Software for the Musically Impaired" says that "If there were a beauty pageant for noncommercial software, this knockout would be walking down the aisle with Vaselined teeth."

prepared and submitted  
by Gregory L. Carlson 🍎

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## News from the Membership Director

### Welcome New Members

Willis L. Cork  
Teri Kent  
Chelley Vician  
Timothy W. Maloney  
Melissa Pemrose  
David Rieke  
John Hunkins (Student)

### Sponsors of New Members

Tom Gates  
Keven Kassulker

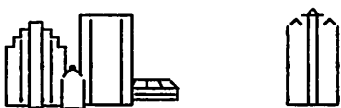
### Corporate Members

Mcgraw-Hill Healthcare Group

### Sustaining Members

Tom Ballen  
Randy L. Dop  
Thomas A Gates  
Gary Hoaglund  
Rodger Kent  
Fritz Lott  
Joan Lovrien  
Thomas M Lufkin  
James F Miner  
Ardie Predweshny  
Lisa Settevig  
Stephen J Walker  
Cordell Woods

prepared and submitted  
by Bob Demeules,  
Membership Director 🍎

<h1>TCCN</h1> <p><b>Twin Cities Computer Network</b></p> <p>7-E-1 349-6200</p> <p><b>Logon Please: TCCN</b></p> <p>We're Gowing &amp; Changing. Give us a call. You'll like what you see.</p>	<ul style="list-style-type: none"><li>•Many Forums</li><li>•E-mail</li><li>•PBS Schedules</li><li>•USA Today</li><li>•Private SIGs</li><li>•Flea Market</li><li>•Star Tribune Roundtables</li><li>•Product Testing &amp; MORE!!!</li></ul> <p><b>IT'S FREE!!</b></p> 
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# From the Mini'app'les Board of Directors: The Minutes – February through June, 1993

## Mini'app'les Board of Director's Meeting Minutes – 11 February 1993

Presiding Officer: David Laden, President  
Members Excused: None

### Preliminary

- 1.1 Attendance  
Members Present: David Laden, William Rhoades, Keven Kassulker, Allen Mackler, Greg Carlson, Tom Gates, Steven Lassiter, Tom Lufkin, Tish Cavalier  
Guests: Erik Knopp, Richard Peterson
- 1.2 Adoption of Agenda  
• Moved, seconded and carried.
- 1.3 Reading and approval of minutes from November 12, 1992, December 10, 1992 and January 14, 1993  
• Approved as corrected. Motion to accept was made, seconded and carried.
- 1.4 Treasurer's report  
• See attached for December 1992, and January 1993 report. Motion to accept was made, seconded and carried.

### Old Business

- 2.1 Dues Increase  
• Results noted for special promotion of \$15 renewal. 20 renewals of expired members for \$45.  
• Reminder that there will be a chance to renew at the annual meeting at old rates.
- 2.2 Bylaw Changes  
• Not in the February newsletter. They need to appear in the March newsletter and the ballot to elect officers. They need to be announced two times and discussed at the General Membership meeting. Bylaws and changes will be provided for review.
- 2.3 General Membership Meeting  
• A date has been set for 6 March 1993 from 11:00 a.m. to 2:00 p.m. at Washburn Library, 5244 Lyndale Avenue, South, Minneapolis, MN 55419.  
• David will convene the meeting. Greg Carlson and Tom Gates will assist Tish Cavalier with the buffet.  
• Add to the agenda a SIG leaders meeting. Also, bylaws will be discussed.
- 2.4 Nominations for Board of Directors  
• It was agreed that the Board of Directors will be the nominating committee.
- 2.5 Newsletter Production  
• Update included information on second class postage (we qualify if we say on the newsletter that we are paying for the newsletter in our dues)  
• A combined February/March issue proposed. The bylaws need to be published.  
• The above was adopted by consensus.
- 2.6 Strategic Planning/Future Direction

- Tabled to discuss annual meeting.
- 2.7 Status of Advertising for Mac SE Upgrade  
• Still in progress. Allen and Greg and pursuing.
- 2.8 Update on Linda Bryan Offer  
• Tabled indefinitely.
- 2.9 Midwinter Madness  
• All set. The cost is \$12/booth.
- 2.10 Spring Swap Meet  
• Set for May 15, 1993.
- 2.11 FoxBase/Pro User Group Presentation  
• Tabled to discuss annual meeting.

### New Business

- 3.1 Science Museum Computer Fair – Chuck Penson  
• Advertising will be handled by the Science Museum, given copy is submitted sufficiently in advance.  
• The agenda will be made known also if advance notice is given (by July) for their newsletter mailing.  
• There is an imbalance of Macs to Apple II's. There were several Macs unattended which invited damage and also the station looks vacant. There were not enough Macs present. The Science Museum will match Mac to Mac (up to eight machines) from their lab for our use.  
• Dates are Friday/Saturday September 10/11, 1993. Set up with be on the 9th, and tear down on the 11th or 12th at Museum Square.  
• The fair will expand to get better representation for children's education software, both Mac and Apple II. There will be a children's area with a mix of platforms.  
• A question was raised about a commercial area. Chuck answered "no" since he foresees a non-sales/non-commercial environment. Mainstream software will be shown by users, free ware also. MCAD has graphics groups that will present. Multimedia presentations will be ongoing.  
• He wants to use adjacent space for programs instead of the auditorium. One room will be Apple, one IBM and one for other stuff.  
• Chuck presented "Science City Online" which is their BBS for questions and answers. It is designed for a wide-reaching audience from elementary school to university level. Science City was conceived as a one-stop-shop for all science shopping needs. "Online" will access this information. It is operative on a 486, 33MHz machine with 2 14.4 modems with 2 more in July. The U of M will assign grad students to ask/answer questions. The Minnesota Teachers Association will use it as a resource. Chuck has proposed to mini'app'les that we use Science City

Online as a primary system or part of our primary system. They have the marketing and advertising muscle to support the venture. He invited us to try it out at 221-9411. When asked about a 800 number, he said not yet but it is in the future. At some point, they may charge a small fee for all groups to pay for the phones only. He is currently writing a grant to Apple for support.

- 3.2 Lexmark Offer  
• Lexmark, a commercial vendor, is offering to send a representative of our group to their focus group on March 21-23. It was decided that Keven Kassulker would represent mini'app'les.
- 3.3 Resignation of Brian Bezanson  
• Due to other commitments, Brian decided to step down as Mac SIG coordinator. His resignation was accepted with thanks.
- 3.4 Resignation of Robert Hammen  
• Due to other commitments, Robert Hammen resigned as Publication Coordinator. His resignation was accepted with thanks.

### Reports from Officers/Committees

- 4.1 President's report – Tabled to allow time to discuss annual meeting.
- 4.2 Vice President's report – Tabled to allow time to discuss annual meeting.
- 4.3 Treasurer's report – Considered in 1.4.
- 4.4 Secretary's report – Tabled to allow time to discuss annual meeting.
- 4.5 Executive Committee report – Tabled to allow time to discuss annual meeting.
- 4.6 Membership Director's report – See attached however tabled to allow time to discuss annual meeting.
- 4.7 Publication Director's report – Vacant position.
- 4.8 Software Director's report – See attached however tabled to allow time to discuss annual meeting.
- 4.9 Operations/Resource Director's report – Tabled to allow time to discuss annual meeting.
- 4.10 Report of the Interest Group Directors – Tabled to allow time to discuss annual meeting.

### Announcements

- 5.4 Adjournment  
• Motion to adjourn was made, seconded and carried.

prepared and submitted by  
Tish Cavalier, Secretary

## Mini'app'les Board of Director's Meeting Minutes – 11 March 1993

Presiding Officer: David Laden, President  
Members Excused: None

### Preliminary

- 1.1 Attendance:  
Members Present: Tom Gates, Greg Carlson, Allen Mackler, Keven Kassulker, David Laden, Steven Lassiter, Tom Lufkin, Tish Cavalier  
Guests: Denis Diekhoff, Richard Peterson, Erik Knopp, Wade Brezina
- 1.2 Adoption of Agenda  
• Moved to adopt, seconded and carried.
- 1.3 February minutes  
• February 11 minutes read. Moved to adopt with revisions. Seconded and carried.
- 1.4 Treasurer's report  
• Read. Move to accept. Seconded and carried.

### Old Business

- 2.1 Bylaw Changes  
• Published in the March, 1993 newsletter. Will again be published in the April newsletter along with the ballot for the election for the Board of Directors.
- 2.2 General Membership Meeting  
• See attached March 6, 1993 meeting minutes.  
• After brief discussion of agenda, it was decided that each person would voice their most pressing concern in a seat-by-seat method. The consensus of those present was that it worked well.  
• Renewal offer of up to three years renewal to members only at old rates will be offered at the annual meeting. Motion was made, seconded and approved.  
• Due to lack of adequate advance notification, will be

rescheduled for April 24, 1993 from 10:00 a.m. to 1:00 p.m. at Norwest Bank Community Meeting Room at 5320 Lyndale Avenue, South, Minneapolis. Motion to adopt the date was made, seconded and approved.

- Ad hoc committees from the March 6 meeting (Newsletter, Volunteer, Communications, Focus/Planning) will give a report on their status.
  - Activities of the Board of Directors will be summarized and presented at the meeting.
  - A complete financial report will be presented at the meeting.
  - A special mailing will be done to advertise the April 24 Annual Meeting. An April club schedule will also be included in this mailing.
- 2.3 Nominations for Board of Directors  
• See the March 6, 1993 (Annual Meeting) Minutes.



- Nominations will be open through the Annual Meeting on April 24, 1993.
  - Wade Brezina wishes to withdraw as a nominee for Vice President.
  - Announcements need to be made at SIG meetings.
- 24 Newsletter Production
- The April issue should be sent out on March 21, by mail.
  - The SIG directors will be responsible for reporting their meetings to the calendar coordinator.
  - Denis Diekhoff presented his findings from his research on production. He solicited bids on the production of the newsletter from outside sources. The bid was broken down by parts such as editing, mailing. Bids were also solicited for layout only. The layout/production/ mailing would be paid for by advertising. Ads would be sold for one year. He explored the possibility of having someone sell ad space for a 15% commission. Content would be provided by members, either original work or downloaded material. He also presented the idea of having reporters, such as SIG meeting interviews. The response was SIG leaders should be doing this and many do. He will continue with his research.
  - Denis also approached the idea of a volunteer (DTP) group. Bob Grant said no but suggested a newsletter SIG.
  - Denis will get two bids and one from Dave Undin, since he was the former newsletter editor.
  - With respect to advertising, Tom Lufkin wishes to take over this function when his board term expires.
- 25 Strategic Planning/Future Direction
- See minutes from the March 6 meeting. Wait for the Focus/Planning committee's recommendations.
- 26 Status of Advertising for Mac SE Upgrade
- Hagen's ad appeared in the March issue. Two more are due to appear.
- 27 Mid-Winter Madness
- Went well. Made a lot of contacts, got a lot of flyers out. Tom Gates and eight helpers attended. A banner or sign for advertising is needed. Tom Gates will bring a proposal to the April meeting.
- 28 Spring Swap Meet
- Will be held at Apache Plaza on May 15, 1993.
  - Tom needs a copy of the liability insurance and \$100 deposit. The insurance agent will provide a copy of insurance.

- TCPC wants to be there also and Tom thinks this will round things out.
  - Apache will advertise this on their electronic banner if sufficient advance notice is given.
  - Vendors will be present.
  - The club will have two promotional tables, one for eDOMs and one for membership.
  - Motion to support and encourage a joint swap meet between mini' app'les and TCPC. Tom Gates will pursue this union. Seconded and approved.
  - Rates for tables are 1/2 table/person from free or 1 table/person for \$10. Vendors are charged \$25/table. Usually \$50-100 sales are generated from eDOMs.
  - SIG Directors need to be notified either by mail, phone call or voicemail.
- 29 Cooperative Efforts with FoxBase/Pro
- Tabled. Left Phil not present.
- 2.10 Offer from Lexmark
- Keven Kassulker to attend.

### New Business

- 3.1 Revised Schedule for Nominations
- Elections will be held in May. The ballot will appear in the May issue of the newsletter. Voting will close on May 28, 1993.
  - Nominees will be asked to bring their resume to the Annual Meeting. One will be solicited on the spot for those nominated that day.
  - Publication of the May newsletter will be held until April 25 to include nominees for Board of Directors. The newsletter should be complete save for this section.
  - Motion was made to accept this schedule. Seconded and approved.
- 3.2 Science Museum Computer Fair
- Motion made to participate in the Second Annual Science Museum Computer Fair. Seconded and approved.
- 3.3 Science City On-Line
- Tom Gates signed on. Dick Peterson also. It is slow. It will be kept in mind until further development.
  - Discussion of Chuck Bjorgen's "Telefinder" BBS.
- 3.4 Special Appointment
- Appointment of Wade Brezina to Mac SIG Director. Motion was made, seconded and approved.
  - Wade wants to explore strengthening the relationship with Apple.

### Reports From Officers/Committees

- 4.1 President's Report
- No more to say.
- 4.2 Vice President's Report
- No more to say
- 4.3 Treasurer's Report
- See 1.4
- 4.4 Secretary's Report
- See Calendar of Events
- 4.5 Executive Committee Report
- No report.
- 4.6 Membership Director's Report
- See attached.
- 4.7 Publication Director's Report
- No director. See Newsletter section 2.4
- 4.8 Software Director's Report
- See attached.
- 4.9 Operations/Resource Director's Report
- No action.
- 4.10 Report of the Interest Group Directors
- MAC
- Meetings to be announced in the Community Events sections of the newspaper.

### Apple II

- Novice group is going well. Many new members.
  - Meetings to be announced in the Community Events sections of the newspaper.
- Motion made to accept the reports of the SIG Directors. Seconded and carried.

### Announcements

- 5.1 Meeting Rescheduling
- Moved that the Mac SIG be moved to the second Thursday of each month and the Board meeting be moved to the first Thursday of each month. Seconded and carried.
- 5.3 Addition to agenda for next meeting
- Add to next agenda: Non-member attendance at Mac main meetings.
- 5.4 Adjournment
- Adjournment. Moved, seconded and carried.

prepared and submitted by  
Tish Cavalier, Secretary

## mini' app'les Board of Director's Meeting Minutes – April 1, 1993

Presiding Officer: David Laden, President  
Members Excused: None

### Preliminary

- 1.1 Attendance:
- Members Present: Tish Cavalier, Tom Lufkin, Allen Mackler, Greg Carlson, Wade Brezina, Tom Gates, Keven Kassulker, Steven Lassiter, Bill Rhoades  
Guests: Denis Diekhoff, Richard Peterson, Erik Knopp, Steve George, Dick Aura
- 1.2 Adoption of Agenda
- Moved, seconded and carried.
- 1.3 Reading and approval of minutes from March 11, 1993 meeting
- Move to accept with changes. Seconded and carried.
- 1.4 Treasurer's report
- Attached. Move to accept. Seconded and carried.

### Old Business

- 2.1 Bylaw Changes
- The bylaw changes will appear in the April newsletter and also with the ballot for new Board members.
- 2.2 General Membership Meeting
- To be held April 24, 1993 from 10:1-1:00, Northwest Community Room, 5320 Lyndale Avenue South. Reports from committees set up in the March special meeting and additional nominations will be discussed.
- 2.3 Nominations for Board of Directors
- Nominations will be solicited at SIGs. SIG directors

will be asked to discuss this at their monthly meetings.

- Nominations close at the General Membership Meeting on April 24, 1993.
  - Additional nominations will be made to those made at the March 6, 1993 special meeting.
- 2.4 Newsletter Production
- Discussion tabled to 7:45 to allow Jim Wheeler to present his views.
  - Mr. Wheeler did not show at 7:45 so discussion was as follows:
    - See the March 27, 1993 newsletter committee meeting minutes for particulars
    - Keven Kassulker had technical problems publishing the April newsletter. It went to the printer on March 30, to be mailed on April 1 or 2.
    - Future production, refer to March 27, 1993 newsletter committee meeting minutes
    - Greg Carlson would like to produce (some or all) on an Apple II. Hugh will work with Greg on this.
    - The Anoka group has a DTP group who will be willing to do the newsletter for a low-ball price. This will be referred to the newsletter committee.
    - Jim Wheeler will appear before the newsletter committee with his recommendations.
- 2.5 Strategic Planning/Future Direction
- See committee meeting from March 6, 1993.
- 2.6 Status of Advertising for Mac SE Upgrade Trade
- Hagen ad in April issue. One more left to fulfill our agreement.
- 2.7 Spring Swap Meet – Tom Gates
- To be held on May 15, 1993 from 10:00 – 4:00 at

### Apache Plaza

- Joint effort with TCPC
  - Tables will be free for 1/2 table/member or \$10/table/member
  - Deposit will be made to Apache from TCPC and mini' app'les.
  - Dealers will be there. Phone calls have been placed to get participation.
  - Tom working on mall advertising. 22x28 signs with 8.5x11 flyers will be installed at Apache by mid-April. A 30 second spot will be produced by Apache on their PA system.
  - Set-up on Friday evening May 14 or will start/continue on Saturday morning at 8:30
  - The northwest door will be open with a list of participants
  - Ads will be on the BBS and should make it to the May newsletter
  - An ad will be run the week before in the Saturday/Sunday Minneapolis and St. Paul papers in the commercial section. mini' app'les and TCPC will split the cost.
  - Explore the Events section of the Reader/City Pages for advertising
- 2.8 Cooperative efforts with FoxBase/Pro User Group
- No further information. Permanently tabled.
- 2.9 Offer from Lexmark – Keven Kassulker
- \$3000 color printer was offered for evaluation.
  - 14 user groups showed up for a plant tour, etc. The New York club was well-organized and offered numerous services. They have higher meeting attendance and also a quarterly news letter of 30-40

- pages. They have 3-4 persons running the Main Mac meeting. Locations for meetings were basically constant over time.
- Keven would like to get advertising from Lexmark.
  - Lexmark is not very aware of the Macintosh market.
- 2.10 Revised Schedule for Nominations/Elections
- Nominations will be accepted through April 24, 1993 at the General Membership Meeting and at SIGs.
- 2.11 Science Museum Computer Fair
- Tom Gates would like to see planning begin in mid-May, after the Swap Meet.

## New Business

- 3.1 Science City On-Line
- Needs to be proposed as an agenda item for future interest. Tom Gates volunteered to chair a subcommittee that will do this and also keep in contact with Chuck Penson of the Science Museum.
- 3.2 Special Mailing – David Laden/Tish Cavalier
- Will include high points from the March 6, 1993 meeting. Motion to produce was made, seconded and approved.
- 3.3 Proposal to purchase Sign/Banner – Tom Gates
- A 3'x6' sign with a sleeve across the top made of nylon will cost \$120-130. It will be red with white lettering/logo. Move to buy the sign was made, seconded and approved.
  - Discussion of club name change and purchase of

- sign – is it worth it? Yes, it will take approximately one year to propose, research and install a new club name. We will get our use out of it in that time.
- 3.4 Discussion – Non-members regular attendance at meetings
- Meeting rooms are free with the understanding that we are an educational organization and our meetings are free and open to the public.
  - Membership information will be available at the main meetings to encourage attendance at board meetings.
  - Tabled for six months to September 1993. Motion was made to table. Seconded and approved.

## Reports From Officers/Committees

- 4.1 President's Report
- Went to the newsletter committee meeting and all worked well.
- 4.2 Vice President's Report
- See Tom Gates report on the Swap Meet.
- 4.3 Treasurer's Report
- Attached. See section 1.4.
- 4.4 Secretary's Report
- Calendar attached.
- 4.5 Executive Committee Report
- No Executive Committee Meeting.
- 4.6 Membership Director's Report
- Attached. Dropped extra newsletters to show actual

- membership, we haven't lost members.
- 4.7 Publication Director's Report
- See attached.
- 4.8 Software Director's Report
- See attached.
- 4.9 Operations/Resource Director's Report
- No news.
- 4.10 Report of the Interest Group Directors
- MAC
- To meet with Jim Trainer of Apple on Monday, April 5 to promote corporate involvement. Wade would like to bring the business community into our organization to establish a permanent office space.
  - Wade will ask about discounts to clubs.

## Apple II

- Summer picnic in August.
  - SIGs doing well
  - Locations are bouncing around due to schools closing for the summer
- Motion to accept reports from the Special Interest Groups made, seconded and approved.

## Announcements

- 5.4 Adjournment. Moved, seconded and carried.

prepared and submitted by  
Tish Cavalier, Secretary

## mini'apples Board of Director's Meeting Minutes – 6 May 1993

Presiding Officer: David Laden, President  
Members Excused: None

### Preliminary

- 1.1 Attendance:
- Members Present: David Laden, Tom Lufkin, Greg Carlson, Steven Lassiter, Bill Rhoades, Tom Gates, Tish Cavalier
- Guests: Hugh Johnson, James Folmer, Roy Sorenson, Jacques Gay, Denis Diekhoff, Bob Demetules, Erik L. Knopp, Richard H. Peterson, J. Edward Lazzaroli
- 1.2 Adoption of Agenda
- Moved, seconded and carried.
- 1.3 Reading and approval from April 1, 1993 meeting
- Read, corrected. Move to accept as corrected. Seconded and carried.

### Old Business

- 2.1 Bylaw Changes
- Recommendations have been published in March and April 1993 newsletter. Will be published along with the ballot in the special mailing with minutes from the April 24, 1993 General Meeting.
- 2.2 General Membership Meeting – Saturday, April 24, 1993
- The General Membership Meeting was held on April 24, 1993 at Norwest Bank Community Room on Lyndale Avenue. Topic areas generated from the March 6 meeting were reviewed with the committee members presenting their findings. Breakout groups were established to get further member input. Findings were again presented.
  - Nominations for Board of Director's positions were taken and closed.
  - See the special mailing with the ballot for additional details.
- 2.3 Newsletter Production
- Hugh Johnson et al produced the May issue. Compliments were voiced.
  - At this time, Hugh stated that there were no submissions for Mac articles. He needs some.
  - Hugh needs to get the MUG newsletter disk from Dave Undlin.
  - The dues increase needs to be reflected in future newsletters.
  - Denis Diekhoff offered his support to whomever becomes the Publication's Director with respect to the newsletter.
  - Jim Wheeler presented his views for publishing the newsletter. He stated that the club should ask three questions: 1) Can he do the job? 2) Can he do it on

time? and 3) Will he do the job? Content proposed was as followed:

- Jim Wheeler generated a proposed format which was produced in less than four hours. The sample was passed around for the group to see.
  - SIGs need to submit minutes and meeting announcements. The director's will submit their reports on facing pages.
  - There will be a Mac editor for Mac feature articles. Likewise, an Apple II editor for Apple II feature articles.
  - A question/answer page will be included.
  - Apple II and Mac eDOM write-ups will be required monthly of the Software Director.
  - Membership form, eDOM order form and change of address form will be perforated in the center.
  - Membership news will include new members, corporate, supporting and lifetime members.
  - Board Talk will include minutes and announcements.
  - BBS Chatter will be important/anecdotal items from the BBS.
  - Members Helping Members will appear.
  - There will be Apple II/Mac product reviews and press releases.
  - "Quick Connect" articles will be reprinted.
  - Advertising will consist of both classified and display. An alphabetical listing of advertisers will appear in the back of the publication. These will be \$12/year listings and will hopefully prompt advertisers to place display ads.
- Jim wants to pick up materials (disks formatted in ASCII, 3.5" or 5.25" ProDOS) from the Board Meeting. If responsibilities not met, the page will be left blank with a notation that the Director submitted nothing. The question was raised that perforation will be expensive and could the center pages be removable? Jim stated that perforation was not expensive. To start up, he also needs 5-10 disks, 50 29 cent stamps, 20 23 cent stamps, two reams of 20# photocopy paper, access to the BBS and newsletter materials still retained by Dave Undlin. Graphics and camera-ready copy are acceptable.
- Jim asked for our comments and wanted to start with the July newsletter. After discussion, it was decided that the matter needed to be digested for one month. It was also noted that a new Board of Directors will be installed in June. Since the June newsletter will be published by Hugh Johnson and committee, thereby eliminating the need for an immediate decision to have Jim publish that issue, the new

Board can more fully discuss and determine the fate of the newsletter and make the decision that they adopted. This idea was consented to. It was moved to reflectable the Jim Wheeler offer for the June meeting and the new Board of Directors. Motion seconded and carried.

- 2.4 Status of Advertising – Mac SE upgrade
- The third and final ad appeared in the May newsletter. Our obligation is complete.
- 2.5 Spring Swap Meet – Tom Gates
- It is currently a nightmare. Contractual matters (insurance has been canceled, the deposit has not been made) plague the process. There have been no ads in local papers. No advertising has been done by Apache because of the insurance/deposit matter. If we pay within three days, Apache will place ads. There were no ads in the April and May newsletter. However, the special mailings following the March and April General Meetings carried advertising. The BBS had notification.
  - 8 tables are reserved.
  - TCPC had a write-up in their newsletter.
  - The Sunday papers (Star Tribune and Pioneer Press) ran ads.
- 2.6 Revised schedule for nominations/elections
- Nominations closed at the April 24, 1993 General Meeting.
  - Ballots must be in the P.O. Box by May 28, 1993.
  - Extra ballots were requested by Greg Carlson, Jacques Gay, Bob Demetules and Tom Lufkin. They will be mailed for distribution at SIG meetings.
- 2.7 Participation in Science Museum Computer Fair
- Tabled until after the Swap Meet – June.
- 2.8 Report from "Name Change" committee
- Roy Sorenson reported that the idea for a name change from mini'apples has been kicked about for about a year or so. The group discussed if it should be changed (currently it compromises ownership and limits promotion, there is confusion, and it is dated) and points to keep in mind (it should support both Apple platforms). They also discussed methods to be used to implement a name change, such as a contest or invitation. Also noted that it should be implemented quickly (3 months if possible), it needs to be registered to be fully owned by the club, it should be short and punchy with a clear logo. Roy presented options at a previous meeting and will bring these to future meetings.

### New Business

- 3.1 Consideration of office space



- Office space was offered in the St. Paul area. The offer was declined due to lack of time to make the decision.

#### Reports From Officers/Committees

- 4.1 President's Report - Tabled due to lack of time.
- 4.2 Vice President's Report - Tabled due to lack of time.
- 4.3 Treasurer's Report
  - See attached.

- 4.4 Secretary's Report
  - See attached.
- 4.5 Membership Director's Report
  - See attached.
- 4.6 Publication Director's Report - Tabled due to lack of time.
- 4.7 Software Director's Report - Tabled due to lack of time.
- 4.8 Operations/Resource Director's Report - Not present.
- 4.9 Report of the Interest Group Directors - Apple: Tabled

due to lack of time; Mac: Not present.

#### Announcements

- 5.4 Adjournment
  - Move to adjourn. Seconded and carried.

prepared and submitted by  
Tish Cavalier, Secretary

## 1993 Mini'app'les Election Results

Total votes:	65				
<b>President</b>					
Greg Carlson	33	50.8%			
Keven Kassulker	29	44.6%			
David Laden	1	1.5%			
Rand Sibet	1	1.5%			
<b>Vice President</b>					
Tom Gates	65	100%			
<b>Secretary</b>					
Roy Sorenson	62	95.4%			
Randy Dop	1	1.5%			
Little Orphan Annie	1	1.5%			
<b>Treasurer</b>					
Jacque Gay	63	96.9%			
Ray Melzer	1	1.5%			
<b>Publications Director</b>					
Hugh Johnson	40	61.5%			
Greg Carlson	21	32.3%			
Sandy & Punjab	1	1.5%			
<b>Software Director</b>					
Samuel Goshorn	47	72.3%			
Greg Carlson	21	23.1%			
<b>Operations &amp; Resources Director</b>					
Allen Mackler	60	92.3%			
Dick Peterson	1	1.5%			
<b>Interest Group Director: Mac</b>					
Wade Brezina	60	92.3%			
Mike Carlson	1	1.5%			
<b>Interest Group Director: Apple II</b>					
Erik Knopp	61	93.8%			
Steve George	1	1.5%			
<b>Membership Director</b>					
Bob Demeules	61	93.8%			
Blank	1	1.5%			
<b>Bylaw Amendments</b>					
For	41	63.1%			
Against	3	4.6%			
???	5	7.7%			

## Apple II Product Review: Delta Drawing Today

### A Review from *The AppleGram*

by Jean Blievernicht

Rejoice all of you Apple II owners! This is a program for all of the Apple II line, from the II+ to the IIGs. (However, command equivalents are given for non-existent keys on the II+). It is a wonderfully easy drawing program aimed at the K-8 children and teachers. But it ought to be aimed also at parents with pre-schoolers through 8th grade. Even high schoolers and adults can have a lot of fun with this program. And you have success in a very short time. Within minutes even a child can draw something simple and use colors. But least you think this is a program too simple for you, the truth is that you keep building and adding a few more commands that allow more complicated pictures and keep your creative juices flowing.

The introductory pages of the manual explained that Delta Drawing Today (DDT) is a "creative drawing program which encourages children to explore the use of a variety of concepts fundamental to math, writing and reading as they create pictures and designs." Thinking skills are enhanced as the user makes choices and decisions about what to do. And there are no right or wrong

answers, but rather a variety of approaches and solutions to making a picture. As a former teacher, I found myself agreeing with their statements.

In the chapters, the instructions progressed from the very simple to the more complex constantly building the past, using repetition, and adding a few new commands and concepts. For instance, Chapter 1 introduces the D, M, L, and R commands which can be used immediately upon booting DDT. D=Draw, M=Move, L=Left turn, and R=right turn. The pointer is a > and indicates which direction the pointer is heading and will move. Experimentation quickly shows you it takes 3 pushes of the R key to make a right angle turn. With just these commands, you can draw some very simple pictures.

Soon (Chapter 2) you get introduced to C (color), E (erase last move), and Control E (erase picture). And so it goes from chapter to chapter until you know how to do the following things:

- Use letters and numbers
- Move the picture around on screen
- Change color, fill with a color
- Move or draw at half size
- Move or draw at unit size (1/8th the original move)

- Shrink and enlarge letters or pictures
- Make drawings shorter/fatter
- Changing the number of degrees R or L turns the cursor
- Use the Kaleidoscope function (4 cursors making 4 drawings at once)
- Do mirror images
- Use a random number to repeat cursor moves
- Speed up or slow down drawing.

Some children may never try out all of the commands and still have a ball using the simplest commands. The concept of programming is introduced early. In this program, that means that all of the commands are saved in a text version. For instance, pushing the R key 3 times, then the D key 4 times, and changing color once by hitting C would be shown as: 3R, 4D C. You can actually see all of these text commands by hitting "T" for text. You can also edit them on screen, push the G (graphics) key and see the result of the changes you made to the text. You can also print out the text so you could have it in front of you while looking at the graphic created.

Of course you can print out the pictures created - in 2 sizes: full page and a little less than 1/4 page. If you have a color ribbon and have drawn in color, you can

configure the program to print out in color. And you can configure "on the fly" without having to save and reboot the program.

If you have trouble getting your creative ideas flowing, you can load one of the many examples from the program disk. To see how the graphic was created, use the T (text) function explained earlier and examine the commands. There are some really nice pictures on disk and some printed samples in the back of the manual.

Some of you may be thinking this re-

minds you of Logo and indeed it does. Logo allows easy drawing of pictures too, but Delta Drawing lets you combine these pictures into programs via its function procedures.

In short, this is a very worthwhile program both in terms of education and fun. I will be using it in the future for my own personal use.

By: Power Industries LP  
37 Walnut St.  
Wellesley Hills, MI 02181 (800) 395-5009  
\$ 69.95 single user version

From ACES, the Apple Computer  
Enjoyment Society

Submitted by Steve George  
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## Macintosh Product Review: Now Compress 1.0

by Stephen Canidge

I reviewed version 1.0 on a Macintosh LC III with 12 megs of ram using an internal 160 meg drive. Testing was performed under System 7.1.

### The Claim

Now Compress is a file-level compression and archiving program. It features a more intuitive interface, tighter compression and greater speed than other compression programs on the market.

My first reaction was to question the need for another compression utility. There are several currently on the market, file level and driver level. My second reaction was realizing how happy I have been with Now Utilities and Now Up-To-Date. If the product lives up to its claims, it will be a welcome addition to my software library.

### File Level or Driver Level

Now Software chose not to go to driver level compression at this time as it does not feel comfortable that the risks of this new technology are adequately met. My testing of three driver level compressors supports this conclusion.

In fact, some famous Mac gurus feel that no compression is justified. For maximum safety, buy a bigger hard drive. Personally, I have never lost any data compressed by NowCompress in three months of use. Compared to the price of a new 160 meg hard drive, the risk of potential data loss is acceptable.

Now Software also feels that you should have full control over what gets compressed and when. With driver level compression you choices are limited to which partition to compress. With a file level compressor, such as Now Compress, you have full control over which file to compress and when.

### Intuitive Interface

An installer is provided to permit a one-step installation. It is not really needed, but is a convenience. You will have to enter your name and optionally company name in the installer and again the first time you

enter the main window.

Now Compress is an extension which adds a pull down menu to the Finder menu bar used to access the Inspector window to perform all activities. Archiving competitors use programs to perform tasks and compressor competitors (e.g. Auto Doubler) use a control panel.

Many tasks can also be performed from the Drag & Drop utilities provided to create archives, compress files, and expand archives/files. There is also a control panel which can be used to change settings/preferences. The user can often select the approach which best suits his/her work style.

An option is provided to skip the Finder menu bar modification in case your menu bar is already too crowded; the Inspector window can also be accessed via a hot-key.

### Timing & Compression Tests

To compare archiving and compression capabilities against the leading competitors, I prepared two tests, one using a set of 249 utility files taking 711k, the second a DiskCopy image taking 819k. To simulate Auto Doubler, I ran Disk Doubler set to Auto Doubler smaller.

### Tighter Compression

Now Software freely admits that savings

gained over Stuffit Lite archives are minimal, often under 10%. My test results concur, but Now Compress did come out on top in savings and in speed. This is an impressive combination!

Savings were observed when converting a hard drive filled with Auto Doubled files to Now Compressed files, but the overall savings were offset by the lack of System Folder compression. I could have compressed individual items in the System Folder, provided that they load after Now Compress, for further savings.

### Greater Speed

My tests below show that Now Compress is 25% faster than Stuffit Lite for creating archives of comparable sizes.

When Now Compress was set to smaller, I noticed very little speed degradation when opening compressed applications and documents on a 25 MHz LCIII.

Auto Doubler Smaller performs about 20% less compression for a speed increase. If Now Compress is set to faster, the compression is comparable but Now Compress gains a definite speed advantage.

### Inspector Window

Although the first reaction of experienced users is to question why there is no archiving application, it soon becomes apparent.

Test	NC Sm	Stuf Lt	C. Pro	DDb!r B	NC Fast	Stuf 1.5.1
Set 1 Size	3119k	3218k	3347k	3430k	3713k	4337k
archive	6:14	8:00	7:36	13:10	3:48	5:15
de-archive	3:20	3:25	5:07	9:30	2:56	4:58
Image Size	368k	373k	402k	403k	435k	561k
archive	55 sec	50 sec	46 sec	53 sec	25 sec	33 sec
dearchive	17	50	46	53	12 sec	33

Test	NC Small	AD Fast	NC Fast	Auto D!r
Set 1 Size	3364k	3895k	3908k	4614k
archive	6:24	7:03	5:31	2:35
de-archive	3:57	3:39	3:40	3:35
Image Size	406k	408k	432k	501k
archive	24 sec	28 sec	20 sec	9 sec
dearchive	11	7	12	6 sec

The Inspector window offers the functionality of the application, but actually does provide a more intuitive interface. You will be able to view and manipulate archives from the Finder (Inspector window). You will not require yet another utility to clutter up your launch menu.

The Inspector window is the command center. To view the effects of compression in a folder or to access the contents of an archive, highlight your selection in the Finder and access Inspector from the pull down menu. A window will open, listing the files, the type of compression used/status, original size, compressed size and % saved, creator, type and label.

Within the window, each file or combination of files can be marked for compression later, compressed now, expanded, archived, converted, copied elsewhere or deleted. Each action is initiated by the press of a command button and will act on the files/folders highlighted. The look & feel is of Finder operations, so is indeed intuitive and easy to learn.

#### **Compatibility**

Conversion from other compression/archival formats is provided to facilitate your switch to this product and to reduce the need for multiple sets of tools, each of which takes up more precious hard drive space.

The convert command can be used to convert compatible files or archives to Now Compress format in one easy step. Again, just highlight the volume, folder or file (individually, consecutive selection or contiguous selection) and convert.

Current compatible compression formats are Auto Doubler and More Disk Space. Current compatible archive formats are Disk Doubler, Stuffit 1.5. and Compact Pro. At this time, the popular Stuffit Lite and Stuffit Deluxe are not supported. Hopefully this shortcoming will be addressed a.s.a.p.

I found a bug when converting a Compact Pro archive. If the converted archive is immediately highlighted and the Inspector window accessed, an alias is created rather than the expected entry into Inspector. However, I also found a work around. Convert the archive, then access About Finder, then enter Inspector. Hopefully this bug will be addressed also a.s.a.p.

#### **Drag & Drops**

Compress Now will compress files, Archive Now will create archives, and Expand Now will expand all compatible compressed files and archives. Just drag the source files onto the appropriate utility. Quite convenient!

#### **Choices Provided**

Through the control panel or through the Finder menu bar, many settings can be changed to permit customization of the tool for the way you like to work. Settings include those to permit accelerated Finder copy speed, turn Now Compress on/off,

on/off switch for Finder menu bar appearance, calculate folder size or not in Inspector, keep files compressed when copying or not, automatically compress all volumes or specific volume names, file cache size, when to compress, compression level (faster or smaller), desktop mouse position for starting/never compress.

You may also specify files, folders, disks or labels which are not to be compressed. The system folder is automatically placed in this list.

Archiving settings include alias or actual, self extracting default, prompt to ask for file name, verify data when writing to archive, compression level, size of segments, name conflict resolution and what to do with the archive after de-archiving.

It is also possible to set idle time compression to off whenever battery power is on, helping to maximize battery life.

#### **Fatal Flaw?**

Now Compress does not keep files compressed when a copy is made by a tool other than the Finder. This means Finder substitutes such as DiskTop becomes less useful.

For many people, this also complicates and slows the backup process for tools such as DiskFit Pro's disk duplicate. If you prefer backups in Finder format, want to store backups in compressed form, and do not want to wait extra time and take an extra step to recompress the data on the target, Now Compress may not be for you!

Of course, you could turn off Now Compress, provided your backup utility is expanded, then make your backup. The target would stay compressed. This is an extra step, requiring rebooting, is inconvenient, should be unnecessary, but will work.

Auto Doubler has a better solution. They provide CopyDoubler, at no extra charge, which copies files in compressed form and if you like, only those which have changed. CopyDoubler becomes the backup tool for this type of backup. CopyDoubler does not keep Now Compressed data compressed while copying.

If you do full-scale backups of data which change a lot, you might find Now Compress inconvenient to use, but you will require less space for your backup files than using a competitors' product. However, if your data changes are restricted to a few well-used files (to go with a large set of static files), Now Compress may well suit your needs even without this extra step.

#### **Negatives**

Now Compress does not convert or expand Stuffit Lite or Stuffit Deluxe archives.

Now Compress automatically excludes the System Folder. You can override and compress items within the folder, but any extensions which load before Now Compress will not be recognized. Auto Doubler offers an internal compression program which can be used to compress System

Folder items. This type of approach should be adopted by Now Software, as System folders do tend to get quite large very quickly. Driver level compressors are also more effective with respect to the System Folder.

Now Compress is ram intensive. It requires 142k of system heap and 628k of high ram if set for a 384k cache. Auto Doubler takes 493k of system heap if set for a 384k cache. If your ram is not plentiful, this may be a factor.

Now Compress will permit idle time compression during file copies, so set your idle time high enough for your needs or place your cursor in the do not compress corner.

When adding to archives, one must start looking for the target archive at the root level of the hard drive. The can be quite cumbersome if the target is six levels deep. An interface to Super Boomerang should be provided.

Mount Image will not mount compressed disk images. You will have to decompress the image first. Now Software considers this to be a problem that the authors of Mount Image will have to address, as Now Compress will work with software that complies with Apple's guidelines for well-behaved software.

I found a minor bug when attempting to copy files from within an archive to a new folder inside the same archive. The new folder was not created and the files were copied to the open target location. The system crashes. Upon reboot, you have two identical files within the archive. No data loss, just duplicated in a spot you did not expect

#### **Pros**

Claims of tighter compression and greater speed are justified and impressive.

The advertising claims are accurate. Makers of driver level compressors claim that they can double your drive space, but this only holds for certain types of data, at least at this time. Now Compress compares favorably and delivers what it promises.

You have full control over what to compress and when to compress it.

Data integrity is maintained through the use of checksums before and writing data to disk. The use of temporary files during archiving ensures data integrity during file manipulation.

One step seamless conversion of Disk Doubler, Stuffit 1.5. and Compact Pro archives to Now Compress archives is provided.

Here is another utility from Now Software with reduced likelihood of conflicts with components of Now Utilities.

#### **Pricing**

Now Compress retails for US\$99 but if you already own a Now Software product, you can get it for US\$29.

By comparison, Auto Doubler and Disk

Doubler can be purchased in mail order houses for US\$58 and US\$49, respectively. Stuffit Deluxe, which includes More Disk Space, for US\$65.

#### Bottom Line

I would recommend this product to anyone who needs more hard drive space. This product more than holds its own against Stuffit Lite. It is also a very reasonably priced competitor to Auto Doubler, particularly if you already own a Now Software product (and who doesn't)! There are a few minor bugs and inconveniences, but you

will gain speed and space without risking data integrity. Also, Now Software does have a good reputation for providing reasonably priced and useful upgrades, so this product likely will be even better within a reasonable time period.

Now Compress  
Now Software  
1-800-237-3611

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submitted by Mr. J. 🍏



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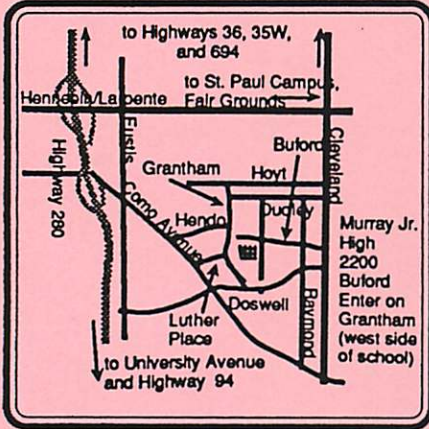
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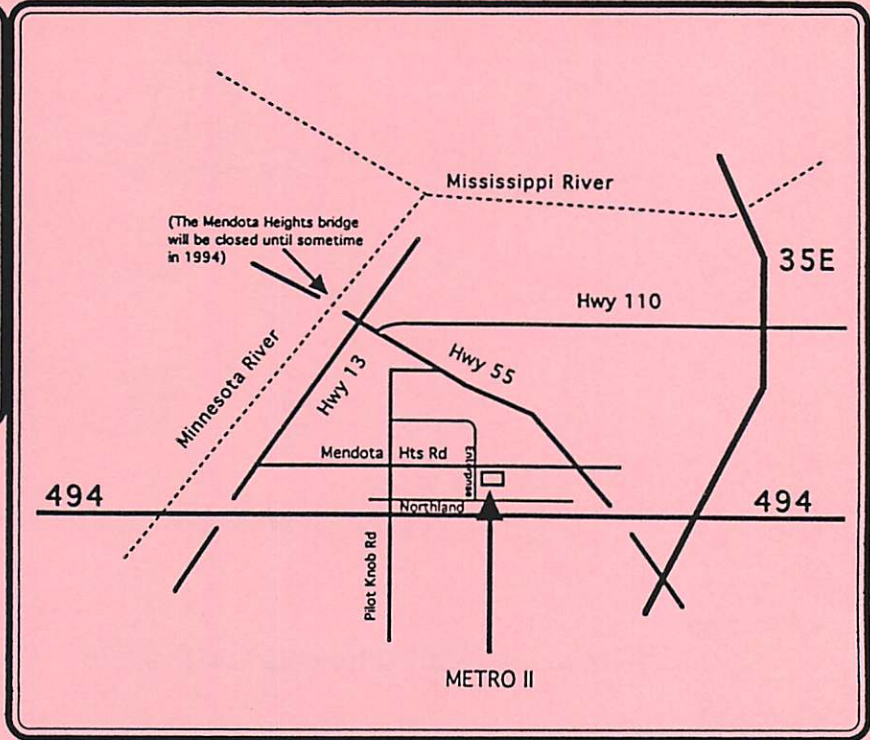


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