



mini'app'les

newsletter

Vol. 14
No. 6

The Minnesota Apple Computer Users' Group, Inc.

JUNE 1991

Calendar
of
Events

M	T	W	T	F
<p>Apple II DTP SIG</p> <p>NO MEETINGS UNTIL SEPTEMBER</p>	<p>DAKOTA COUNTY SIG</p> <p>NO MEETINGS UNTIL SEPTEMBER</p>	5	<p>Mac Main Meeting* 6</p> <p>Bloomington Educational Center 90th St. S and Portland Subject: System 7.0 6:30 / 7:00 pm - Mike Carlson 866-3441, Melvyn Magree 559-1108</p>	7
<p>Apple II GS and Apple II Main Meeting* 10</p> <p>Highland Park Library, Ford Parkway, St. Paul - 7:00 pm Subject: Hard drive Construction Tom Ostertag 488-9979</p> <p>Mac Computer Art & Design SIG*</p> <p>School of Communication Arts, 2525 27th Ave S, Mnpls -6:45 pm Joy Kopp 440-5436</p>	<p>Apple II DTP SIG 11</p> <p>NO MEETINGS UNTIL SEPTEMBER</p> <p>Subject: Just Resting Bill Warner 490-9554</p>	<p>Dakota County SIG 12</p> <p>Mac, Apple II, Apple II GS NO MEETINGS UNTIL SEPTEMBER</p> <p>Tom Michals 452-5667</p>	<p>Apple mini'app'les Board Meeting 13</p> <p>Lexington Branch Library University & Lexington Aves. St. Paul, MN - 7:00 pm David Laden 488-6774</p>	14
<p>Fourth Dimension™ SIG 17</p> <p>Auto Dyne, 2400 Prior, St Paul Ian Abel 824-8602</p>	<p>MacCAD/E SIG 18</p> <p>Heath/Zenith Computer Hopkins - 7:00 pm Bill Langer 937-9240</p> <p>Microsoft® Works™ SIG*</p> <p>Highland Park Library Ken Edd 631-3679</p>	19	<p>North Shore Mac CIG 20</p> <p>Bethlehem Lutheran Church Grand Marais -7:00 pm Jim Ringquist 218-387-2234</p>	21
<p>HyperCard™ SIG 24</p> <p>S.E. Library, 1222 SE 4th St Subject: Addmotion Peter Fleck 370-0017 - 7:00 pm</p> <p>Mac Novice User SIG</p> <p>Highland Park Library, St Paul 7:00 pm - Subject: Modems Tom Lufkin 698-6523</p>	<p>Mac Programmer SIG* 25</p> <p>Murray Jr. High, St. Paul -7:00 pm Gervaise Kimm 379-1836</p>	<p>Mac Desktop Publishing SIG 26</p> <p>First Tech, 2640 Hennepin, Mpls. 7:00 pm Bob Grant - 827-6142</p>	<p>AppleWorks® SIG 27</p> <p>Murray Jr. High, 2200 Buford St. Paul - 7:00 pm Subject: Program Selectors Jim Shield - 434-9836</p>	28

Notes:

Deadline
for July Newsletter
is June 1st

Deadline
for August Newsletter
is July 5th

CIG - Community Interest Group
SIG - Special Interest Group

* Denotes a change in time or location from previous month's meeting.

Coordinators - Please Call Dick Aura (941-1198) by the 1st Friday in order to have your meeting listed correctly.

**THE CALENDAR FOR
JULY IS ON PAGE 4**

Board Members:
Officers

President	<i>David E. Laden</i>	488-6774
	675 West Wheelock Pkwy, St. Paul, MN 55117	
Vice-President	<i>Tom Lufkin</i>	698-6523
	2078 Highland Parkway St. Paul, MN 55116	
Secretary	<i>Bill Warner</i>	529-8197
	2870 Eglan Ave Roseville, MN 55113	
Treasurer	<i>Dick Aura</i>	941-1198
	5167 Tifton Dr. Edina, MN 5543913	

Directors

Publications	<i>Open</i>	
Membership	Rand Sibet	560-8103
Software	Greg Carlson	544-8252
Operations & Resource	James C. Fulwood	454-7610
SIG: Macs	Tom Shaff	225-1191
SIG: Apples	Tom Michals	452-5667

Coordinators

Beginners' Consultant	Earl Benser	884-2148
Dakota County	Tom Michals	452-5667
Shows & Conventions	Marvin Born	757-6567
Volunteer Coordinator	Larry Strathman	724-2833

Mac Users SIG	Mike Carlson (days)	866-3441
	Melvyn Magree	559-1108
Excel SIG	M. Nightingale	545-9380
Mac Programming SIG	Gervaise Kimm	379-1836
HyperCard SIG	Peter Fleck	370-0017
CAD & Engin. SIG	Bill Langer	937-9240
4th Dimension SIG	Ian Abel	824-8602
Mac Computer Art. & Design SIG	Joy Kopp	440-5436
Mac Novice SIG	Tom Lufkin	698-6523
Smalltalk SIG	Martin McClure	227-9348
DeskTop Pub. SIG	Bob Grant	827-6142
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	Jim Shields	434-9836
🍏 Apple II DTP	Bill Warner	490-9554
🍏 Beginner's Basic SIG	Tom Alexander	698-8633
🍏 Languages/Tech SIG	Wesley Johnson	636-1826
🍏 Tech. Adviser (hdwre)	Roger Flint	771-2868

Software Director's Staff

Mac eDOM Editor/Prod	Bob Fellows	
Apple // DOM Editor	Tom Gates	789-1713
CP/M	<i>Open</i>	

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

Genealogy	Melvyn Magree	559-1108
Medical	Stewart Haight	644-1838
CP/M	Jim Rosenow	(414) 261-2536
PACER Center	Roslie Becker	827-2966

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Questions — Please direct questions to an appropriate board member. Technical questions should be directed to the Technical Director.

Membership — mini'app'les
 attn: Membership Coordinator
 PO Box 796
 Hopkins MN 55343

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

eDOMs	At Meetings	Mail Order
Members: 5 1/4" eDOMs	\$3.00	Add
5 1/4" System	\$1.00	\$1
3 1/2" Apple/Mac eDOMs	\$5.00	per disk,
3 1/2" System	\$3.00	disk,
Non-Members: 5 1/4" eDOMs	\$6.00	Max
3 1/2" Apple/Mac eDOMs	\$10.00	\$4.00

Make checks payable to: mini'app'les

Mail to Mini'app'les: Attn: eDOM Sales
 PO Box 796, Hopkins, MN 55343

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

Newsletter Contributions — Please send contributions directly to the Newsletter Manager, Dave Undlin, 6670 West 133rd St., Apple Valley, MN 55124 or upload to Dave or Darryl Zum on the DTP Exchange BBS or Dave on the mini'app'les BBS. You can also reach Dave at 432-0913 or leave a message for Darryl at 638-0315.

Deadline for publication for July newsletter is June 1st. An article will be printed when space permits and if, in the opinion of the Newsletter Manager or Editor, it constitutes suitable material for publication.

Meeting Dates — Please phone calendar announcements to:
 Dick Aura 941-1198.

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

mini'app'les Voice Mail — Number temporarily out of service.

Advertising — Direct inquiries to:
 Sharon Gondek — 644-7418
 mini'app'les Advertising Coordinator
 PO Box 4023, St. Paul, MN 55104

Newsletter Publication Staff

Newsletter Manager	Dave Undlin	432-0913
Editor	Darryl Zum	638-0315
Production Manager	Cindy Reever	934-7500
Graphics Consultant	Nancy McClure	227-9348
Calendar	Dick Aura	941-1198
Contributing Editor	Linda Bryan	777-7037
Contributing Editor	Steve George	935-5775
Contributor	Randy Dop	452-0425
Contributor	Tom Edwards	927-6790
Contributor	Peter Fleck	370-0017
Contributor	Tom Gates	789-1713
Contributor	James Horswill	379-7624
Contributor	Tom Ostertag	488-9979
Contributor	Dennis Paulson	825-6358
Contributor	Jim Shields	434-9836

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The Fine Print

The Mini'app'les newsletter is an independent publication not affiliated, sponsored, or sanctioned by Apple Computer, Inc. or any other computer manufacturer. The opinions, statements, positions, and views herein are those of the author(s) or editor and are not intended to be the opinions, statements, positions or views of Apple Computer Inc., or any other computer manufacturer. Apple®, the Apple® logo, Apple IIGS®, AppleTalk®, AppleWorks®, Macintosh®, ImageWriter®, LaserWriter®, are registered trademarks of Apple Computer, Inc. LaserShare™, Finder™, MultiFinder™ and HyperCard™ are trademarks of Apple Computer, Inc. PostScript® is a registered trademark of Adobe Inc. Times® and Helvetica® are registered trademarks of Linotype Co.

IF YOU ARE MOVING...

... please let us know six weeks before you move so we can change your address. Thank you.

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

I.D.#: _____ Exp. Date: _____

Name: _____

Street: _____

City, St., Zip: _____

PRINT YOUR NEW ADDRESS HERE ✓

Street: _____

City, St., Zip _____

MAIL TO: mini'app'les, P.O. Box 796, Hopkins, MN, 55343



*Yes . . .
I'd like to join!*

Please accept my -

mini'app'les MEMBERSHIP APPLICATION.

Please Print or Type:

1. Name _____

 Address _____
 City _____ State _____ Zip _____
 Res. phone _____ Bus. _____
 Renew ID# _____ Exp. Date _____

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

- | | |
|---|--|
| <input type="checkbox"/> Regular [1st year] \$20.00 | <input type="checkbox"/> Educational \$50.00 |
| <input type="checkbox"/> Renew [one year] \$15.00 | <input type="checkbox"/> Corporate \$100.00 |
| <input type="checkbox"/> Foreign \$30.00 | <input type="checkbox"/> Donation \$ _____
(tax deductible) |
| <input type="checkbox"/> Sustaining \$25.00 | |

3. Please tell us your special interests:

Which personal computer do you use?	Area of Interest?
<input type="checkbox"/> Apple II	<input type="checkbox"/> Business Application
<input type="checkbox"/> Apple II +	<input type="checkbox"/> Home Application
<input type="checkbox"/> Apple IIe	<input type="checkbox"/> Educational Application
<input type="checkbox"/> Apple IIc	<input type="checkbox"/> Desktop Publishing
<input type="checkbox"/> Apple IIGS	<input type="checkbox"/> Other _____
<input type="checkbox"/> Macintosh Plus	Do you own or use?
<input type="checkbox"/> Macintosh SE	<input type="checkbox"/> Printer
<input type="checkbox"/> Macintosh II	<input type="checkbox"/> Laser Printer
<input type="checkbox"/> Macintosh SE/30	<input type="checkbox"/> Modem
<input type="checkbox"/> Macintosh IIcx/IIci	<input type="checkbox"/> Other _____
<input type="checkbox"/> Laser - Other	

- Sponsored by: _____
- Check if interested in volunteer opportunities.
Special Area _____
- Check if you do not wish to receive non-club promotional mailings.

You'll receive your new member's kit in 3 to 6 weeks.
Make checks payable & mail to:

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

JULY 1991

Mac Main Meeting

Apple // Main Meeting	Mon. July 8
Mac Computer Art & Design SIG	Mon. July 8
Apple IIGS SIG	Mon. July 8
Apple II DTP SIG	
Dakota County SIG	
Board Meeting	Thur. July 11
Fourth Dimension™ SIG	Mon. July 15
Microsoft® Works™ SIG	Tues. July 16
MacCAD/E SIG	Tues. July 16
North Shore CIG	Thur. July 18
HyperCard™ SIG	Mon. July 22
Mac Novice SIG	Mon. July 22
Macintosh Programmer SIG	Tues. July 23
Mac Desktop Publishing SIG	Wed. July 24
AppleWorks® SIG	Thur. July 25

NO MEETING IN JULY

Highland Branch Library, St. Paul - CrossWorks
School of Communication Arts, 2525 27th Ave. S, Mnpls.
Highland Branch Library, St. Paul
NO MEETING UNTIL SEPTEMBER
NO MEETING UNTIL SEPTEMBER
Lexington Branch Library, St. Paul
Auto Dyne, 2400 Prior, St. Paul
Highland Park Branch Library, St. Paul
Heath/Zenith Computers, Hopkins
Bethlehem Lutheran Church, Grand Marais
Southeast Library?, 1222 SE 4th St., Minneapolis
Highland Br. Library, St. Paul
Murray Jr. High, 2200 Buford, St. Paul
First Tech Computer, 2640 Hennepin
Murray Jr. High, 2200 Buford, St. Paul

Notes 4 & 6
Note 11
Note 7
Note 12
Note 19
Note 16
Members welcome – Note 1
Note 2
Note 13
Note 8
Note 15
Note 5
Note 9
Note 18
Note 3
Note 10

1. Dave Laden	488-6774	5. Peter Fleck	370-0017	9. Tom Lufkin	698-6523	13. Ken Edd	631-3679
2. Ian Abel	824-8602	6. Melvin Magree	559-1108	10. Jim Shields	434-9836	14. Open	
3. Bob Grant	827-6294	7. Joy Kopp	440-5436	11. Tom Ostertag	488-9979	15. Jim Ringquist	(218) 387-2234
4. Mke Carlson	866-3441	8. Bill Langer	937-9240	12. Mark Evans	377-9000	16. Tom Michals	452-5667

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

17. John Hackbarth	(715) 246-6561
18. Gervaise Kimm	379-1836
19. Bill Warner	490-9554

Members Helping Members

Need Help? Have a question the manual doesn't answer? Members Helping Members is a group of volunteers who have generously agreed to help. They are just a phone call away. Please: only call if you are a Member, own the software in question, and only within the specified days/hours listed at the bottom.

Macintosh	Key	PostScript	8	Home Acc'n't	20	Graphic Writer II/III	15
4th Dimension		Power Point	5	Laser 3.5 drives	1	Graphics Studio	
Adobe Illustrator	21,24	QuickBasic	5,6	PublishIt!	23	GS/OS	3,10
Beginners	13,14	ReadySetGo		ProTERM	1,23	Merlin 16+	15
Canvas	5	Telecommunications	19	Talk Is Cheap	3	Mousetalk	15
FileMaker II	17	WordPerfect		TimeOut	2	MultiScribe	
Freehand	22	XPress	21	TO Graph	2	Music Studio	
General	14,17,18			TO SideSpread	1	PaintWorks Plus/Gold	15
Helix	16	Apple II	Key	TO QuickSpell	1	Prosel	2
HyperCard	6,9,19	Applewriter	2	TO SpreadTools	1	TML Basic	3,10
MacDraft	5	AppleWorks	1,2,23	TO Thesaurus	1	TML Pascal	3,10
MacDraw	5	Ascii Express	3	WordPerfect		Writer's Choice	15
MacPaint	5	BASIC	5				
Mac OS	4	Beagle Buddy	23	Apple IIGS	Key	Apple III	Key
Microsoft Excel	5,6,17,18	BPI Programs		816 Paint		General	12
Microsoft Word	4,5,6,14,17,24	Datalink 1200	1	AppleWorksGS	15		
Microsoft Works	11,17	Dollars & \$ense	1	APW	20,23		
Networking	5,6,13,19	DB Master	7	Complete Pascal	10		
OverVue		Epson LX80	1	DeluxePaint II			
PageMaker	4,6,17,24	Hard & software		General	3,10		

If you would like to be a "Members Helping Members" volunteer, please post your name, phone number, area(s) and convenient contact time(s) to Dave Undlin on the BBS or leave message for Cindy at 934-7500.

1. Lloyd Nelson	423-3112	E	8. Fritz Lott	377-3032	E	15. Tom Michals	452-5667
2. Tom Ostertag	488-9979	E	9. Peter Fleck	370-0017		16. Arnie Kroll	433-3517
3. Tom Gates	789-1713	EW	10. Randy Dop	452-0425	EW	17. Michael Foote	507-645-6710
4. Tom Edwards	478-2300	D	11. Ed Spitzer	432-0103	D	18. Richard Becker	870-0659
	927-6790	E	12. Bob Rosenberg	377-4300	EW	19. Timothy Kunau	683-3649
5. Earl Benser	884-2148	EW		340-0234	D	20. Steve Peterson	922-9212
6. Dan Buchler	435-3075	E	13. John Hackbarth	715-246-6561	D	21. Jodi Roste	933-1698
7. Ann Bell	422-1115	E	14. Jim Horswill	379-7624	DEW	22. Nancy McClure	227-9348
						23. James C. Fullwood	454-7610
						24. Darryl Zurn	781-7781
							638-0315
							D

D-days (generally 9a-5p), E-evenings (gen. 5p-9p), W-weekends (gen. 1p-9p).

In any case, call at reasonable hours and ask if this is a convenient time for them. We appreciate your cooperation.

Minutes of the Board Meeting

Board Members in attendance:
David Laden, Randy Dop,
Tom Gates, Dick Peterson.
Excused: Tom Lufkin, Tom
Michals, David Undlin
Members in attendance:
Steve George, Mike Casey,
Tom Schaff, Dick Aura.

The meeting was called to order
by President Laden at 7:37 P.M.
The meeting agenda was dis-
tributed and reviewed. Motion
by Peterson to accept agenda.
Second by Dop. Carried.

The minutes of the March 14
Board Meeting were submitted
by Dop. Motion by Gates to
approve March minutes. Second
by Peterson. Carried.

**Agenda Item 2.1 - President's
Report**
No report this month.

**Agenda Item 2.2 - Vice
President's Report**
Tom Lufkin submitted a written
report that covered a number of
different issues including the
swap meet and the Strictly
Business Computer show.

**Agenda Item 2.3 - Secretary's
Report**
Randy Dop reported that the
eDOM coupons for February
1991 through April 1991 will be
sent out soon.

**Agenda Item 2.4 -
Treasurer's Report**
Report for February 1991 sub-
mitted by Laden.

INCOME			
Membership Dues	2400.00		
TCF Inv Mgt Acct Int	14.08		
eDOM Sales	192.00		
Newsletter advertising	560.00		
Miscellaneous	65.00	3231.08	
EXPENSES			
Telephone	34.87		
Postage, shipping	294.00		
Printing, publications	980.54		
Conf, conv, meetings	9.00		
Bank Service Charges	14.94		
Bad Checks	15.00	1348.35	
MONTH GAIN			
Checking Account Balance	1882.73		
	4629.41		
TCF Inv Mgt Acct	2944.26		
TCF CD	4000.00		

**Agenda Item 2.5 - Member-
ship Director's Report**
No report this month.

**Agenda Item 2.6 - Executive
Committee Report**
Randy Dop provided notes from
the Executive Committee Meet-
ing that was held April 9, 1991.

**Agenda Item 2.7 - Publica-
tions Committee Report**
David Laden reported that
Linda Bryan has resigned as
newsletter editor and the May
issue will be her last.

**Agenda Item 2.8 - Software
Director Report**
No report this month.

**Agenda Item 2.9 - Resource
Director Report**
No report this month.

**Agenda Item 2.10 - Interest
Group Directors Reports**
No report this month.
Motion by Peterson to accept
the Directors reports. Second by
Gates. Carried.

OLD BUSINESS

**Agenda Item 3.1 - Insurance
Policy/Evaluation**
David Laden reported that a
representative from the insur-
ance company will attend the
June board meeting to explain
coverage.

**Agenda Item 3.2 - Election of
Officers**
The election of officers is cur-
rently underway. Members of
the nominating committee are
attending various SIG meetings
to collect ballots.

**Agenda Item 3.3 -
AppleTECH '91**
Mini'apples was represented at
AppleTECH '91 by Tom Lufkin
and Dick Aura.

Agenda Item 3.4 - Swap Meet
The swap meet will be held on
May 18, 1991 from 10 AM - 2
PM at Apache Plaza Shopping
Center 38th and Silver Lake
Road, St Anthony Village.

Randy Dop is taking reserva-
tions for table space.

**Agenda Item 3.5 - Evalua-
tion of Beagle Buddy Pro-
gram**
Tom Gates reported that he had
been in contact with Beagle
Bros. Software concerning the
Beagle Buddy program. David
Laden will take care of the pa-
perwork.

NEW BUSINESS

**Agenda Item 4.1 - Newsletter
Editor**
David Laden reported that
Mini'apples is currently looking
for a newsletter editor to re-
place Linda Bryan. Tom Lufkin
has been in contact with the U
of M School of Journalism and
posted information on the job
bulletin board. Any interested
persons should contact David
Laden or David Undlin.

**Agenda Item 4.2 - Survey/
Questionnaire**
David Laden asked all board
members to fill out a question-
naire concerning accomplish-
ments over the last year,
priorities for the coming year,
and questions that could be
asked of the membership in a
questionnaire format.

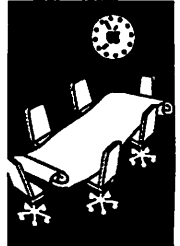
**Agenda Item 4.3 - Strictly
Business Computer Show**
The local Apple office will have
space for Mini'apples literature
only. A two sided page consist-
ing of the May newsletter cover
and the table of contents page
will be available.

Agenda Item 4.4 - Voice Mail
Tom Gates presented a proposal
concerning a voice mail service
for Mini'apples.

Motion by Gates to contract
with Time Answering Services
for voice mail service. Second by
Dop. Carried.

Board GOTO page 6

Secretary
Report



by Randy
Dop

Board continued from page 5

Agenda Item 4.5 - Letterhead Tabled.

Agenda Item 4.6 - Amateur Fair July 12-13

The Amateur Fair will be held at Aldrich Arena on July 12-13. Mini'app'les will have a information table at the event.

The meeting adjourned at 9:00 P.M.

Respectfully submitted by Randy L. Dop
April 11, 1991 🍏

Election Results and Editor Change

Several changes appear on pages two and four of this newsletter as a result of our recent election and the resignation of our editor, Linda Bryan.

Changes



by Dave Undlin

The position of editor can be overwhelming at times. Distribution of the responsibilities seems a better way to meet the challenges of this volunteer position. Darryl Zurn has accepted the role of editor. Tom Edwards, Peter Fleck and Roger Kent have agreed to proof/edit articles in their respective areas of expertise. Shelly Adams and Jim Fulwood will assist with the page layout. We are confident this editorial staff will carry on Linda's perfection and goals.

Because of the dedication of several committed persons, Linda Bryan, Darryl Zurn, Steve George and Cindy Reever, we are very fortunate to have a complete issue this month. These individuals spent the weekend including Mother's Day designing, assembling, and delivering the copy for printing.

Fellow Mini'app'les members, we must have more people involved in the layout of our newsletter to insure having interesting, current articles in pages 5 through 27. Now is your opportunity to return something to your user group. If you have experience, we need your help. If you want to learn, we are willing to help you. We prefer Mac/PageMaker users with modems but can paste up copy from other users and receive files by mail. If you have trouble getting on our BBS, I'll take your file by modem. We also invite experts to set up the newsletter format in Xpress and Publish It!. We must involve more members.

We appreciate the contribution Linda has made to the development and success of the newsletter during her role as editor. Her hard work and excellence clearly showed.

**Thank you, Linda.
You were superb!**

—Dave Undlin 🍏

Congratulations to all the new Board Members.

Although Brian Lynch was elected the new Publication Director he was forced to resign when he received a great job offer in Kenosha, Wisconsin. Congratulations to Brian and we wish him well in his new job.

That does leave the position of Publication Director open. If anyone is interested in the position, please contact David Laden.

Mni'app'les Ballot Report



by Cindy Reever

Total Ballots Counted: 86

President	David Laden	80
Vice President	Tom Lufkin	78
Secretary	Bill Warner	82
Treasurer	Dick Aura	84
Publication Director	Brian Lynch	83
Software Director	Greg Carlson	54
Operations & Resource Director	James C. Fulwood	81
Sig: Mac	Tom Shaff	83
SIG: Apple	James W. Hadden	80
Membership Director	Rand Sibet	82

Announcements

Apple II DTP and Dakota County SIGs—No Meetings June, July and August

The meetings will pick up again in September.

New Club Voice Mail On The Horizon

by Tom Gates

The Board has OK'd a deal with a new Voice Mail service that should really out shine the last service used. Watch for information about this number. Seems lots of folks thought the Voice Mail system worked well and wanted to see another. As they say in the Biz.... "Coming Soon....."

Main Mac Meeting

System 7.0 will be demonstrated by a representative from Apple Computer.

Apple II Main Meeting

by Tom Ostertag

May Apple II Meeting Notes

What a day for a bike ride, low winds, warm, so what were we all doing at the Highland Park Library... having our monthly Apple II Main Meeting. We started with announcements about the next meetings and the news that the DTP and Dakota County SIG's will not meet for the next 3 months. Introductions followed and then Q&A time. There were several questions, one was about running DOS 3.3 programs from a 3.5" drive and also about using a PC Transporter in a IIGS to access Prodigy. The first received an answer and the second... well...

After that, it was on to the program. Fred (Phred) Evans demonstrated both Hyperstudio and Hypercard GS on the IIGS. He even constructed his own stack that produced a very interesting result and a demonstration of how to reboot the machine. He went through the commands and talked about interesting stacks that are available. A great job... After that the librarian told us to get out... (er, please leave) and the crew migrated to Baker's Square where a continuation of last month's discussion of magnetic media occurred. We also discussed the dealings that people have had with Applied Engineering and one particular person's adventures with a PC Transporter. If this were a restaurant review, I would have to say the Carmel Pecan Silk Su-

preme was great and Steve George would probably verify that. At least he found the pecan... After the coffee, iced tea and pop ran out it was "head for home" time.

See Tom Gates Construct and Format a Hard Drive at June Meeting

Next month's Main meeting will be a demonstration of Tom Gate's ability to construct and format a hard drive right before your very eyes. Tom has said that this will be the highlight of his computer career... so be there.

Cross Works Demonstration at July Meeting

July's meeting will be a demonstration of CrossWorks by yours truly which was supposed to be in June. Anyway, the June meeting should be a real treat, so come on down to the Highland Park Library at 7:00 on 10 June 1991. (1974 Ford Parkway in St. Paul) I won't see you then 'cuz I'll be in Granville, OH. (I don't know where it is either...)

That's all for this month... —Tom Ostertag

Apple II Main Meeting Schedule Highland Park Library, St. Paul

Date	Topic	Presenter
6/10/91	Constructing a SCSI Hard Drive	Gates
7/08/91	CrossWorks - Data interchange	Ostertag
8/12/91	Telecommunications	Gates
9/09/91	Educational Software	Hyde
10/14/91	Claris Rep/Beginners Night	Gehlen/Benser
11/11/91	ProSel/Copy II Plus	Ostertag
12/09/91	Games, Games, Games	Evans

Don't forget to mark your calendars and come on down and enjoy the company. —Tom Ostertag

Beagle Buddy

Well, here is the latest information on the local Beagle Buddy. This comes directly from Beagle Brothers Technical Support and is current as of 3/4/91. The local Beagle Buddy for the St. Paul/Minneapolis area is Dr. Harold MacDermot. I was given two phone numbers with no indication as to which one was a day phone and which was a home phone: 297-2534 and 426-9883.

For those impatient types, Beagle will take your money directly, at \$10 per program, and update your Timeout software. 2 - 3 Weeks
—Dennis Paulson

Announcements GOTO next page

Your Club



Submissions
by SIG
Directors
and
Participants

Announcements continued from previous page

AppleWorks SIG

by Jim Shields

April Meeting Notes

The April AppleWorks meeting was held on a beautiful spring evening. While many usual members of the group chose to stay home and tend to the lawn and garden, a few diehards showed up to check out Beagle Brothers SuperForms and see what was new on the Perkin's menu.

Richard Newmark presented the tip/technique for the evening - an oldie but goodie—TimeOut File Librarian. This handy utility was part of the PowerPack series first introduced in 1988.

When File Librarian was first introduced, few users had high capacity disk drives and even fewer had hard drives. The need to keep track of files was pretty simple—how many could you hide on a single-sided floppy? Since then many of us have upgraded our systems, adding 3.5" drives and/or hard drives. The ability to "lose" files has become increasingly simple.

File Librarian "reads" your data disks into an AppleWorks data base file. The path and file name, file type, size and create/modify dates are captured in the data base file. You can then use the search and report capabilities to print out file catalogs or find out which disk has the latest version of a specific file.

While Richard explained how fast File Librarian worked, the program zipped through a 800K disk and he fed it another one just for good measure. A few quick sorts of the data base and we had listings by dates or names—take your pick! One nice feature is that the user can add categories to the data base file and make notes if you choose.

Sitting in the back of the room, I overheard a member wonder aloud "where was this program yesterday?" Hey, check it out—PowerPack!

The main topic of the evening was the new TimeOut program called SuperForms. With SuperForms you graphically design your own custom forms right on screen within AppleWorks. Graphics (i.e. logos) can be added to your form by importing Double HiRes or Print Shop graphics. The form is saved as a word processor file that must be printed out with TimeOut SuperFonts. A screen preview mode is also available if you just can't wait for the printer.

You can paint lines and boxes in a variety of line styles and thicknesses, with automatic line crossing and cornering. Or choose from dozens of special grid and line characters. If you're so inclined, with the narrow column characters you can even draw your own custom graph paper.

If custom form creation wasn't enough, Beagle Brothers includes an option called FormFiller—a type of mail merge option that works with your custom form. You can import and merge data from any one of the AppleWorks modules. The only limitation here is your imagination!

TimeOut SuperForms works only with SuperFonts 3.0 or later and AppleWorks 3.0. An Apple IIc, IIe, IIc+ or IIGS with one 5.25 or 3.5 inch disk drive helps immensely though. There are about a dozen sample files to study or borrow and a good tutorial to get you started in form design.

Upcoming AppleWorks Meetings

June 27:	Program Selectors
July 25:	TimeOut Outliner
August 22:	Word Processor—Basic to Advanced
September 26:	SuperFonts & Graph
October 24:	Database—Basic to Advanced
November 21:	AppleWorks and the Dreaded "Pathname"
December 26:	Spreadsheet—Basic to Advanced

SIG meetings are the fourth Thursday at Murray Junior High School, 2200 Buford, near the St. Paul Campus of the U of M. Enter the school on the west side from Grantham Avenue. Call Jim Shields if you need information on the meetings, 612-434-9836, or write to him at: 2344-147th Lane NE, Ham Lake, MN 55304.

Mac HyperCard SIG

by Peter Fleck

Next Meeting: June 24, 1991 at a new location: Southeast Library, 1222 SE 4th St. in Minneapolis, and a new time: 6:30-8:45. Parking lot located behind library or on-street. This may be our meeting space for the summer but please check the newsletter each month. ADDmotion DEMO! ADDmotion™ is the first animation and color paint program (works with B&W monitors too!) to be fully integrated within HyperCard® 2.0. The animations you create are interactive and can send messages back to HyperCard. The product comes with HyperCard 2.0.v2. A fully-functioning (and registerable) version of the program will be raffled off to members. HyperSocializing will begin at 6:30; the demo will start at 7:00. Bring scripting (or general HyperCard) questions!

While trying to find a new site for the SIG, I neglected to notify the newsletter staff that there would be no meeting in May. I apologize for the confusion and hope no one went to Hagen's May 27.

—Peter Fleck 

Does This Game We Are Playing Have Any Rules?

What Is A
User Group?



by Clark
Thomas

Before I joined this group, I had never even heard of a user group. Nor did I know that user groups didn't begin with computers. They began with the introduction of the assembly line and the Model T Ford.

Before auto repair shops were invented, Model T owners were desperate for information about how to keep their machines working, and sought out fellow owners to share ideas and resources. Find a Model T buff (they're still out there) and you will hear endless stories about how their user groups concocted make-shift parts and work-arounds to enable owners to keep their contraptions rolling.

It's easy to romanticize about user groups in the ol' days of the Model T. But maybe they were not so wonderful. Maybe they were simply people making the best of a difficult situation.

The other day I called our former president, Tim Matheny, to catch up on things and ask him about data searches and HyperCard. He's now in Atlanta working for Apple. One of the things he said after our hour or so on the phone, was that Mac Interests is a really good user group. I asked what made him say that, and his answer was that Atlanta's group only has about 40 people.

After hanging up I wondered if our numbers make us good. For as many as we are, and all we have, why is it that we are always aware of our shortcomings? Are we hypercritical, or is something actually missing? How could we be more useful to each other? What would make our user group genuinely useful?

A Redefinition...

Consider first what we are not. As you well know by now, we are *not* a training organization. We are not a company either, or

really even a business. If you say we are a service organization you'll have to admit that we don't provide many real services.

Consider what we are *primarily*... a volunteer association. We gather in order to benefit from interacting with the other users in our community.

Ah-Hah...! Maybe we've been missing the manual for this program. Listen again. We gather in order to benefit from *interacting* with other users.

Are you benefiting from *your* interactions in our Mac community? Could it be, dare I even suggest, that you are not actually *having* interactions at this time? I see...

I apologize for not being clearer about this myself for the past four years, but it is true that for this game we have been attempting to play here to work, we must play it by the rules. They are very simple: The members of a volunteer organization *must* volunteer. (If you are not from Tennessee and don't like this V-word, substitute interact, participate, give something of yourself, or share.) Without the fuel of participation, the game dies.

Imagine a monthly covered-dish supper for 100 people where only six people bring food. Even if those six are very generous, there will never be enough—and there will be little variety. A user group works like a covered-dish supper. New members can come without bringing anything, but everyone else knows to bring something good, even if they don't make it themselves.


If we all do this, our game called "user group" will work, and all good things will come unto us. We will grow wise and experience the true satisfaction that comes with mastering the Macintosh and sharing this

mastery with others. And we will acquire many friends.

If we don't, this organization will not work. It will languish along until our extra-generous ones wear themselves out, give up, and go where their efforts are reciprocated. The rest of us will become dissatisfied, critical, frustrated and no doubt more cynical.

We *exist* for the sharing and interchange of information and ideas. Our meetings, newsletter, bulletin boards and answering machine are pathways to assist us with our interactions. They are not intended as consumable one-way information products purchasable for your \$24 per year. They are part of a banquet that you, whether you realized it or not, agreed to help prepare.

Consider these things. Recognize that what we all receive here is directly tied to our participation and contributions. If you think you've nothing to offer, call and I'll remind you that it certainly isn't true.

from *MacInTalk* (Nashville), 9/89
Clark Thomas' User Group Rules
contributed by Steve George,
mini'app'les
stgeorge@pnet51.orb.mn.org or
crash!orbit!pnet51!stgeorge 

Patronize
Our
Advertisers

New Members

New Members:

Bromelkamp	Mike	55337	612-426-4128
Cray Research		55120	
Dale	Andrew F	55414	612-331-2148
Erickson	Lola J	55437	612-881-4872
Gay	Jacque	55407	612-722-1239
Goebel	Ehrhard	55337	612-890-0213
Guthrie	Judith A	55428	612-535-3183
Hall	Michael	54016	715-386-6836
Lande	Susan R	56011	612-873-2847
Renner	Marc S	55109	
Smith	Howard Y	55418	612-789-7616
Stull	Eric	55108	612-644-1298
Vanden Plas	Jane M	55428	612-537-4384

Your Club



by Steve
George

Corporate Members:

Computerland
McGraw-Hill Healthcare Group
Hammel Green and Abrahamson Inc
Norwest Corporation
Cray Research

Educational Members:

Prison Program

Sustaining Members:

Thomas M Lufkin
Steve George
David E Laden
Ted May
Randy L Dop

Sponsoring Members:

Chuck Bjorgen
D J Vimr
David E Laden
David W Undlin
Dick Aura
Dick Peterson
G E Kimm
Harold Watson
Jason Mooney
Nan Kolbinger
Steve George
Tom Edwards
Tom Gates
Tom Lufkin

Current Apple System Software Available Through mini'app'les

Software	Version	Date	Format
Apple II, II+ //c, //e			
DOS 3.3 System Master	n/a	09/10/85	5.25"
Apple II System Disk	3.2	07/16/90	5.25"/3.5"
ProDOS 8	1.9	07/16/90	5.25"/3.5"
Apple IIGS			
GS/OS System Disk	5.0.4.1	4/29/91	3.5"
GS/OS System Tools	5.0.4.1	4/29/91	3.5"
Macintosh			
System Tools	6.0.7	10/09/90	3.5"
Printing Tools	6.0.7	10/09/90	3.5"
Utilities 1	6.0.7	10/09/90	3.5"
Utilities 2	6.0.7	10/09/90	3.5"

HyperCard is discontinued Upgrades are only available through Claris

ImageWriter LQ Disk 1	2.0	07/18/88	3.5"
ImageWriter II/LQ AppleTalk	2.0	07/18/88	3.5"
Communications Toolbox	1.0.1	03/20/90	3.5"
32-Bit Quick Draw			3.5"
LaserWriter	6.0		3.5"

Apple System Software disk prices are as follows:

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

Notes:

- * The Macintosh System tools and Utilities disks are available only as a set of 4 disks.
- * GS/OS System Disk and System Tools are available only as a set of two disks.
- * ProDOS requires 64K of memory on the Apple II and II+.

The Apple IIGS: What the Mac LC Should Have Been?

A review of the Mac LC in the December, 1990 issue of *inCider* magazine was subtitled "What the Apple IIGS Should Have Been?" The underlying idea was reasonable: If the Mac LC had been introduced in 1986, rather than the IIGS, people would most likely have been fairly happy with this transition machine to the Mac. However, history does not accommodate "what ifs", and at this point, one can legitimately ask, "Is the Apple IIGS what the Mac LC should have been?"

The unexpected factor today is the world of multimedia, and that the Apple IIGS is arguably the ideal multimedia (or hypermedia) machine. Regardless of what term you use, this environment will be more significant in the 90's than desktop publishing was in the 80's, particularly in the classroom.

The ideal multimedia machine should have good color graphics, excellent sound, and the ability to connect to laserdiscs, CD-ROM, and VCRs. It should be easy and intuitive to use, and as affordable as possible. You should be able to present your work, and easily record and transport it to share with others. The Apple IIGS has all this and more.

Let's suppose a student creates a multimedia report, and then presents it to the class. With the Apple IIGS, a standard classroom monitor or TV can be used with no special hardware. Although a TV isn't great for displaying 80-column text screens, multimedia presentations with graphics, larger text, and video sequences from a laserdisc will look quite nice. On a Mac or PC, a projection system that can handle true color is likely to cost \$2000-\$3000, or more.

Laserdiscs, combined with a video overlay card, add a very attractive component, and allow anyone to create very exciting results. On the Apple IIGS, a school can buy a Video Overlay Card for about \$400. On the Mac LC (if a card were available), using the slot for a video card would preclude using the IIe card. Cards similar to the Video Overlay Card on other Mac models cost around \$2500. (By the way, services are now available that will convert your own videotapes to a laserdisc for \$200-\$300!)

On its way to that TV or monitor, the Apple IIGS video can be routed through any common VCR, recording both the audio and video portions of the presentation, so Mom and Dad can see what they did at school, and keep a permanent record of the moment. Presenters can go to conferences with just a video tape, without lugging tons of computer hardware. Macs and PCs require a special adapter (an "NTSC Converter"), and these can be an expensive addition.

You heard it here first: The VCR will be the printer of the 90's. How else to record sound, animation, graphics, video and more, and in a form that anyone can view (virtually all homes and schools now have VCRs). Once you're aware of what the GS can do, hearing that another computer can't be recorded with a VCR is like hearing it can't be attached to a printer. An article in the October 15, 1990 issue of *Business Week* discusses Apple's generation of computers AFTER the Mac: "At least two years off, Jaguar will include extensive video technology and the ability to connect to TVs and VCRs, Apple employees say." How great for Apple IIGS owners to know that they don't have to wait for the successor to the Mac. They can have all this now!

Schools that purchase Mac LC's, hoping for a color multimedia machine, will be surprised to discover that HyperCard on the Mac is only black & white. A limited ability to display single color graphics is available, but to just draw a line or two in color, you'll need a GS with HyperCard or Hyper Studio. Want to use the microphone on the LC? You'll have to leave HyperCard, run a separate program, and then go through some additional steps to incorporate the sound. On a GS with Hyper Studio, adding sound is easy and perfectly integrated into the overall environment.

Last of all is the working environment itself. Stack building on the GS is significantly easier. Thousands of schools are using the Apple IIGS for multimedia right now, and projects created entirely by 1st graders are by no means unusual. Home users of the Apple IIGS find it perfect for not only the kids, but fun for personal-interest uses from family trees to hobby-related projects. Through user groups, mail-order catalogs, and online services like America Online, CompuServe and GEnie, there are already almost 200 megabytes of existing hypermedia applications (stacks) of every imaginable kind - all for the Apple IIGS.

What does the future hold for the Apple IIGS? The Apple IIGS is not an outdated technology. The Apple IIGS has features that are not currently available in any machine, and offers a solution that couldn't be more relevant to the next revolution in computing. I've personally travelled extensively across the U.S. in the last year, and everywhere I've seen a tremendous amount of interest and enthusiasm for what the Apple IIGS offers. This interest is the result of recognizing a practical and immediate tool.

If you haven't yet seen what multimedia and the Apple IIGS are all about, there couldn't be a better time than now to find out what the future

Apple IIGS GOTO next page

What If?



by Roger
Wagner

Apple IIGS continued from page 11

holds, and how you can make that future a present reality. If you already have an Apple IIGS, then you'll be happy to know you own the best machine possible to enter the 90's!

From a letter to inCider/A+ magazine, March, 1991. Permission is hereby given by the author to anyone wishing to reprint this letter.

Please include this permission statement with any reprints.

*Contributed by Steve George, mini'app'les
stgeorge@pnet51.orb.mn.org or
crash!orbit!pnet51!stgeorge* 🍏

Eamon Adventure #2 "Lair of the Minotaur"

Adventurer, you are in big trouble. You had arranged to meet in the town of Dunderhaven with your girlfriend, Larcenous Lil. When you arrived, you learned that Larcenous Lil had come into town flat broke, and had tried to pick up some easy cash by burglarizing a nearby Castle. She hasn't been seen since.

Making your own subtle entrance into the Castle, all seemed to be going well until suddenly the lights go on and you see yourself surrounded by Bowmen and a fat, ugly man on a Throne. He sneers at you and says "Well, boys, another thief. I guess we'll send the scoundrel to meet the first." With that, he pulls a lever, and the bottom drops out of the floor.

Good luck Adventurer, you'll need it!

via Steve George
stgeorge@pnet51.orb.mn.org or
crash!orbit!pnet51!stgeorge

Apple II
Software



by Donald
Brown
Eamon
Master

Welcome to the Wonderful World of EAMON

Eamon Master & Adventure #1

"The Beginners Cave"

This portion of the disk is used for each Adventure in the series. There are presently about 100 Adventures or Quests to test your Character. Each time you partake, the Character you have created can visit the Main Hall.

The Main Hall contains a bank where you may deposit part of your Gold collected on a Quest. Here, too, you can make purchases: Armor, Spells, Healing Potions, etc. Some Adventures allow you to be Teleported between the location of your Adventure and the Main Hall whenever you wish—great for stashing-away all that Gold!

This disk also allows the 'attributes' such as Charm, Strength, and Experience to be carried-over from one Adventure to another. Another nice feature, which necessitates having this Master disk, is that you are not limited to creating just one Character. You can have several 'on-hand' for various 'assignments'. You might create one named Hurcule (or Robotron or Bruzer or whatever) whose Strength, Healing Powers, and Experience are unparalleled. He might be a

good choice where brute-strength is a major deciding factor in the Adventure's outcome. And, you could have another Adventurer named something like Alakazam whose attributes were high on Spells, Charm, and Potions. Its all up to you!

The Beginners Cave

You have no trouble finding a horse that you, well, borrow to take you on your first Adventure. You follow several signs to take you to the Beginners Cave.

As you stand there, you see the local Knight Marshal come out to inspect you. He shakes his head and says, "You must have at least one Weapon to Adventure here! Go back to the Main Hall."

Upon your return you again get the 'once-over'. Having purchased multiple Weapons, he now tells you, "You may only take one Weapon into the Cave. Which shall it be?"

You make what you hope is a smart decision and you're off on your very first Adventure, into the Beginners Cave.

Good luck, Adventurer.

via Steve George
stgeorge@pnet51.orb.mn.org or
crash!orbit!pnet51!stgeorge

Apple II
Software



by Donald
Brown
Eamon
Master

min'app'les BBS

892-3317

8 data 1 stop 0 parity

24 hours

The Programmers Online Companion

The good news is that programming on the Apple IIGS can be relatively easy thanks to all the Toolbox calls provided by Apple. These built in routines make menus, windows, dialog boxes and other features of the IIGS desktop programs accessible to programmers with much of the background coding already done for you. The bad news is there are over 800 of these built in routines and to use them effectively has meant paging through the Apple IIGS Toolbox Reference Volumes 1 and 2 published by Addison-Wesley. These books are indispensable for doing any programming using the built in capabilities of the Apple IIGS. They carry a brief description of each call and the parameters you need to pass. The books describe each call in Assembly Language and C.

Enter the Programmers Online Companion, a RAM resident database listing of all the Toolbox calls. The database is a Classic Desk Accessory (CDA). It can be accessed from any ProDOS 16 or GS/OS program that allows CDA interrupts. The program was written by Steve Capps and published by Addison-Wesley, the same publishers of the Toolbox References.

The package comes with one 3-1/2" disk and a 23 page manual. The manual, like the program, is straight forward and well written. It begins by explaining that the database is not a replacement of the Toolbox Reference Volumes nor a teaching tool but rather a "crib sheet." It is assumed that the user has a basic knowledge of Pascal, C, or Assembly Language; the Apple IIGS Toolbox; and the Apple IIGS itself.

Installation of the Programmers Online Companion is the same as for any CDA. Copy the two files on the disk, COMPANION and POC.DB, into the desk accessory folder (DESK.ACCS) in the System folder of your boot disk. After installing it, simply boot as usual and the program will be available on the CDA menu by pressing ⌘ Control Escape. The first time you choose it, it takes about 10 seconds to load the database from the disk into RAM. After that it pops on the screen instantly. The program takes about 240K on your disk and in the RAM after it is installed.

The database is organized alphabetically first by toolset, and then by each tool call within that toolset. Each toolset is set up with the constants and types in the C language format for that toolset and then moves on to the toolcalls. Each toolcall entry is followed by its C and Pascal declarations and a brief description of its function. These descriptions are true to the Toolbox References. While not always as detailed, they were usually sufficient to find the tool you wanted and an explanation of how to use it.

You can search the database quickly by complete keywords (toolbox calls), partial keywords, or by any text string contained in the file. You can also scroll through the database without performing a search. ⌘ K initiates a forward search for a keyword or partial keyword. ⌘ K will search backwards. A keysearch is finished in about 1 second. Searching for text takes considerably longer but is useful in searching for parameters or other file information. The editing commands in the search string box are the same as made popular by AppleWorks, APW and ORCA/M. The familiar ⌘ ? presents a list of all commands and help for them.

Once you have found the toolcall you were looking for, Programmers Online Companion offers you still more. It allows you to copy the call in either Pascal or C by simply moving the cursor to the beginning of the declaration and pressing ⌘ D Then exit the CDA by pressing Escape and you can paste the declaration directly into your source code with ⌘ V. This can be quite helpful as some of the calls get rather complex. The text description of the call can also be copied and used as comments to help explain what is happening with your source code.

The database can be modified to suit your needs. There is a utility program to Expand the database so you can make changes to it. You can add, delete, or edit any part of it and then use another utility to Compress the file so it can be used by the Programmers Online Companion.

The only problem I experienced with the program is that sometimes it showed an error message "unable to read database" after it had been loaded into RAM and accessed several times. The error would occasionally occur after I would compile and test my program. Quitting ORCA or rebooting from a crash, though, will allow you to get right back online. I only have 1.25 megs of RAM on the Apple memory expansion card. My guess is that with the operating system, the ORCA shell, the editor, the compiler, and my program all getting swapped in and out of the RAM, somebody is slopping over into that 240K block occasionally, and rendering it unreadable. (Why would you think it was me?)

I would recommend the Programmers Online Companion to anyone who is interested in programming with the Apple IIGS. Your desk will still be littered with the reference books but most of the time you will be able to get the information you need instantly.

Graphics	none	User Friendly	★★★★
Accuracy	★★★★	Value	★★★★
Convenience	★★★★	[Out of 5, I assume. -C.Ed]	

Programming
with the
Apple IIGS



Reviewed by
Bob
Sjostrom

from Apple-
Dayton, 7/89

via Steve
George,
mini'app'les 🍏

HyperBytes: Making Your Scripting Easier

HyperCard Tips



by Tom
Edwards

HyperWhat?...

"HyperCard" is the wrong name for this software product, at least the way that I work with it. It would be more aptly named something like "HyperNeverDone." No matter how polished I think that I have a stack, within a day or two I'm back at it rewriting handlers, adding features and touching up backgrounds.

"HyperNeverDone," or maybe "HaHaCardAgain" might be better names for it.

No matter what you call it, if "mind puzzle" stuff turns your gears, then HyperCard is likely to be both your Nirvana and your Waterloo.

More bytes later...TWE

Customize with a "Save As..." menu

The book by Winkler and Kamins, "HyperTalk 2.0: The Book", has a number of neat little scripts that demonstrate how to work with HyperTalk. Several of them have found a path to my own scripts, and as usual, I tinker with them to make them more useful within my scripting environment.

Here's a "modification" that I've added to one of the examples from The Book:

A little amenity is the addition of a "Save As..." menu item; an item noticeably missing from HyperCard that is usually provided by programs that follow the "Mac interface." I've added a couple of pinstripes to customize this example from The Book. (You will find this discussed on page 180, as an example of the "Ask File" command.) In order to place this in a stack script, it needs an "if... then" structure to determine if you already have such a menu item. If so, you don't want to add it again. (I haven't quite decided exactly where this handler is going to end up, but probably the Home Stack is where it will settle.) This presumes that you will retain the menu "File" in your menuBar.

```
on openStack
  if "Save As..." is not in menu "File" then
    put "Save As..." after menuItem "Save a copy..."
  of —
    menu "File" with menuItem "userSaveAs"
  end if
  — etc. etc... rest of your openStack handler goes here
end openStack
```

Later on in the stack script you need to place the handler "userSaveAs" which is called by the menu message sent by selecting the "Save As..." command appended to the menu "File." Since the example not only saves a copy of the stack, but

also takes you to that copy after it's created, my pinstripe here was to place the name of the current stack into the "answer box" as a preloaded stack name, then place an asterisk after it. This way I can do an almost "automatic" save, but it will not over-write an existing stack, nor do I have to do any typing, a task that I avoid like a MacVirus. By counting the asterisks, I can judge where in the Darwinian schedule of things that each saved copy of the stack resides (a task made easier yet by viewing folders and disks "by name"). Actual deletion of early stages in the development of the stack has to be a deliberate act, especially when its by an irrational scripter such as myself. Here's the script for the second part of your "Save As..." patch to HyperCard:

```
on userSaveAs
  ask file "Save Stack As:" with short name of this stack &"*"
  if it is not empty then
    save this stack as it
    go to it
  end if
end userSaveAs
```

I can't believe that you can change this stuff so easily. I guess that's why they call HyperCard programming "scripting." Just take a routine (handler in the jargon of HyperCard) that's close to what you want and edit it to become just what you want. Now if I could only buy a Ford Escort and script it into a Lexus!

More bytes later...TWE

On the beach...

The "beachball" cursor I use to signal that the computer is busy with some HyperCard activity, would many times just sit there, unspinning. Very annoying. I recently found out that it spins each time that the "set cursor to busy" phrase is called (1/8th turn with each call). If you put the "set cursor to busy" line inside a repeat loop that you are already using for some necessary operation, it will spin its little heart out to let you know that the computer has not gone brain dead.

Unlike a pseudo-HyperCard scriptwriter that I could name.

The only problem with this, as Peter Fleck, co-chair for the HyperCard SIG, recently pointed out, is that each instruction line in a script costs time. Granted, it is only a bare whisker of a fractional part of a second, but when repeated, as in a looping handler running through a number of cards, total program speed can bog down. You'll have to make the evaluation whether the spinning beachball is worth the time to make it spin.

More bytes later...TWE

mini'app'les membership

as of May 1991

Abel, Ian	55417	612-824-9128	Bollag, Frederick J	55437	612-888-2245	Costanzo, Louis	55427	612-544-8184
Adkins, Alpha	55116	612-699-9324	Bolton, Larry D	55337	612-432-6507	Couture, Jay	55115	612-426-5140
Agogino, Dr Mercedes M	88130		Boman, Patricia	55346	612-942-7655	Cox, William	54024	715-483-9929
Ahlquist, Nancy	55345	612-938-1103	Borchard, Marjorie	55410	612-926-6779	Coyne, Terence	55102	612-291-1137
Albright, Joe	55345	612-935-4565	Borg, Robert L	55417	612-822-4903	Cray Research Inc	55120	
Allard, Roy	55409		Born, Marvin D	55433	612-757-6567	Curiskis, Juris	55416	612-377-6153
Amis, Robert W	55391	612-476-2429	Boulanger, Lucille	55411	612-522-0235			
Amundson, Dennis	55431	612-831-7273	Boulton, Sherry	55417	612-722-2564	Dahl, Mark	55343	612-933-5126
Anderson, Bonnie	55104	612-644-4580	Brainerd Sr High School	56401	612-829-9582	Dale, Andrew F	55414	612-331-2148
Anderson, Brian	55412	612-522-6464	Braley, Gary F	55421	612-633-4451	Dalen, Roscoe E	55125	612-739-8160
Anderson, Duane A	55435	612-941-4751	Brandenburg, Gary	55104	612-649-0761	Danielson, A J	56484	602-964-9745
Anderson, Earl H	55419	612-729-0357	Breit, Kelly	55446	612-550-1494	Dantuono, Mark L	55122	612-854-7138
Anderson, J Leavitt	55391	612-473-7079	Brennecke, Charles	55105	612-222-6985	Desio, Vince	55337	612-890-6643
Anderson, Lee or Jane	55414	612-379-1435	Brezina, Wade W	54024	715-485-3585	Detlefsen, G R	55391	612-475-1525
Anderson, Les	55119	612-735-3953	Brogren, Roy H	55042	612-777-3564	Dewar, Darrell D	55016	612-459-3843
Anderson, Philip	55423	612-886-5016	Bromelkamp, Mike	55337	612-426-4128	Dietz, Paul	55337	612-892-0006
Anderson, Robert O	55441	612-559-1237	Brooks, William W	55101	612-774-7903	Dittberner, Ralph D	55439	612-926-0808
Anderson, Sonia G	55431	612-888-8719	Bruxvoort, Audrey	55125	612-731-1785	Dop, Randy L	55122	612-452-0425
Andrusko, Jan	55406	612-724-4408	Bryan, Linda	55109	612-777-7037	Doyle, Nancy	55409	612-822-7665
Anoka TC Media Center	55303	612-377-5115	Buchler, Dan B	55337	612-435-3075	Draeger, Gary R	55417	612-869-4006
Anway, Allen	54880	715-394-4061	Buehrer, Doris	55108	612-645-6457	Draeger, Ronald M	55417	
Applequist, Daron	55378	612-895-5214	Buell, W R	48124	313-594-2467	Driscoll, Andy	55102	
Aries, Richard S	55068	612-432-3230	Buending, William A	55343	612-935-7255	Dust, James	55343	612-933-8117
Aura, Dick	55439	612-941-1198	Bukowski, James	55107	612-227-6496	Dutcher, Curtis	55428	612-533-3115
Axdal, Steven	55016	612-459-9962	Burman, Tim	55418	612-788-6766			
			Bursch, Patricia	55413	612-627-2144	Eaton, John O	55108	612-646-3335
Babcock, Connie	17602	717-397-5936	Bushard, Jim	55344		Edd, Kenneth	55113	612-631-3679
Baker, Steven E	34276	813-923-8950	Bushman, Everett R	55604	218-387-1054	Eddy, Michael	54726	715-386-6162
Banovetz, John & Jeanne	55419	612-922-9142				Edman, Mel	55345	612-934-2596
Barker, Barney	55432	612-784-2081	Cabrinety, Stephen M	01420	617-343-8551	Edmunds, Peter	55419	612-823-9482
Barsamian, Richard	55436	612-929-9663	Carlson, Burton	55432	612-786-3275	Edwards, Lois	55439	612-942-7232
Bartus, Michael D	55447	612-475-2621	Carlsonv, Clarence G	55109	612-777-2668	Edwards, Thomas W	55410	612-927-6790
Bartyzal, Allen	55379	612-445-3111	Carlson, Gregory L	55427	612-544-8252	Eggert, Nancy A	55374	
Basten, Marybeth L	55447	612-475-1852	Carlson, Mike H	55416	612-377-6553	Elberling, Jim	55122	612-688-8815
Beales, Robert A	55120	612-454-6338	Carlson, Peggy Sue	55413	612-781-3238	Ennis, Maridee	55344	612-944-7610
Bearskin Lodge	55604	218-388-2292	Carney, Carlton P	55346	612-934-1259	Erickson, Lola J	55437	612-881-4872
Beaudoin, Denis	55378	612-890-8108	Carpentier, Gareld G	55427	612-545-3133	Espeset, Linda	55113	612-633-1483
Beck, Victor W	55113	612-631-2632	Carroll, Joseph E	55345	612-938-4028	Ethen, Steven D	55337	612-894-1326
Becker, Richard H	55404	612-870-0659	Carver, Irving L	55110	612-429-3475	Eubank III, Eugene O	55419	612-926-7726
Beckman, Charles	55025	612-464-4469	Case, Judith L	55435	612-447-3424	Evans, Mark J	55343	612-935-7251
Beihoffer, Dale E	55447	612-473-4777	Casey, Mike	55104	612-647-1169	Everett, Nathan	55346	612-934-5555
Bell, Ann T	55316	612-422-1115	Cavell, Colleen	55424	612-927-4703	Ewing, Beverly & Stephen	55345	612-827-5140
Bellinghausen, William J	55437	612-835-2554	Cegla, Donald	55418	612-789-0826			
Bellows, John B	55122	612-454-3009	Chartrand, Gerald R	55418	612-788-3024	Falk, Clarence R	55410	612-920-9043
Benson, Burt D	55407	612-724-2069	Cimbura, Tim	55432	612-571-1910	Farmer, David	55119	612-739-4477
Bentley, Caryl	55303	612-427-4960	Colby, Jim D	55420	612-881-3912	Farrell, John	55113	612-484-6500
Bergman, Sandy	55426	612-935-5691	Crown Communications	55111	612-457-8437	Farrow, Doug	55447	612-475-3338
Berkholtz, Nicholas E	55345	612-474-1560	Computerland	55447		Fazio, Dennis	55418	612-789-0164
Bibus, Stephen M	55405	612-374-1612	Cooke, Geoffrey	55431	612-884-4871	Fearing, Joan	55116	612-699-4606
Bieger, Walter	55112	612-636-4385	Coomes, Michael	54016	715-549-6290	Fehn, Simon	55444	612-560-3971
Bjorgen,			Copeland, John R	55447	612-475-3017	Feldkamp, Ray	55337	612-435-8727
Charles E & Sonia C	55112	612-633-8850	Copes, Lawrence E	55077	612-451-3720	Fellman, Lynn	55422	612-588-8572
Bloom MD, Kenneth E	55455	612-333-6960	Corey-Edstrom, Ken	55430	612-757-5780	Fellows, John	55122	612-452-4247
Bohling, Fred	55122		Cornhill, Dennis	55104	612-292-9085	Fellows, Robert C	55416	

Ferens, Joseph A	55431	612-884-6028	Hale IV, Henry E	55345	612-934-3255	Jarmuz, Michael	54016	715-386-5030
Ferrier, David	55432	612-574-9138	Hall, Michael	54016	715-386-6836	Jarrard, Nancy	55124	612-432-0738
Filbin, Dan	55417	612-827-7320	Hall, Nancy J	55435	612-924-0873	Jarvis, Michael	55438	612-941-4069
Fitch, Richard A	55117	612-489-6350	Hallanger, Earling C	55113	612-644-4667	Jedlicka, Arvid	55372	612-447-8475
Fitzwater, Don	55403	612-341-4396	Hamerton, Marlow	55126	612-484-4615	Jennings, Wayne	55117	612-489-8937
Flammang, Charles	55435	612-922-7569	Hamilton, Jeff	55422	612-420-7275	Jensen, Jean M	55337	612-890-6520
Flannigan, Betty	55331	612-474-3513	Hammel Green			Job, Bill	55421	612-572-0828
Flannigan, Ronald E	55445	612-493-2721	and Abrahamson Inc	55403	612-869-9582	Johnson, David A	55350	612-587-9839
Fleck, Peter	55406	612-370-0017	Hammond, Daryl	55125	612-487-1002	Johnson, Kim V	55122	612-452-6906
Foote, Michael H	55057	507-645-6710	Handberg, Lowell M	55072	612-245-2369	Johnson, Mark	55417	612-822-9638
Foreman, William T	55420	612-888-2710	Hansen, Greg	55444	612-566-2050	Johnson, Mike A	55126	612-490-9457
Foss, Ken M	55117	612-774-7772	Hansen, John L	55337	612-890-3769	Johnson, Reese C	55401	612-339-5119
French, Robert L	55112	612-633-7945	Hanson, Gary	55416	612-925-4864	Johnson, Roger A	55434	612-786-7867
Frymire, Jane	55417	612-824-0456	Hanson, Michael	55108		Johnson, Stephen K	55419	612-869-3447
Frys, Russell N	55435	612-896-1177	Harmon, Hubert N	55112	612-636-5716	Johnson, Steven F	55014	612-786-3028
Fulwood, James C	55122	612-454-7610	Harmon, Richard C	55391	612-473-8598	Johnson, Wesley D	55112	612-636-1826
Fundingsland, Roger E	55369	612-420-4158	Hart, Greg	55404	612-728-5288	Johnston, John A	55391	612-470-0759
			Hatle, Steven J	55121	612-454-9740	Johnston, Jon	55344	612-942-0235
Galic, George	55421	612-571-7960	Hauge, Duane S	55068	612-432-7855	Jones, C R (Bob)	55425	612-888-5623
Gamec, Tim	55347	612-934-6345	Heard, Ron	55024	612-431-5516	Jones, Rick	56379	612-253-8933
Gammell, John	56379	612-253-9377	Heid, Roger S	55337	612-432-6206	Joseph,		
Gardner, Bob	55042	??-770-3010	Helmers, John I	55976	507-533-8265	Katherine & Charles	55116	612-699-5684
Garrett, Wayne Robert	54082	715-549-6273	Hendrickson, Tom	55424		Juhl, Chas W	55409	612-825-0567
Gasterland, Hans	55420	612-827-4854	Henke, James A	55423	612-452-5911			
Gates, Thomas A	55418	612-789-1713	Hensel, Robert	55016	612-459-6902	Kagan, Alan	55118	612-457-6586
Gawarecki, Chris	55345	612-937-8646	Hess, Don	55391	612-473-5710	Kaldun, Mark	55122	612-452-2294
Gay, Jacque	55407	612-722-1239	Hilpisch, William P	55110	612-429-4937	Kaplan, Robert	55408	612-872-7571
Gebhard, Timothy J	55076	612-452-3186	Hodgdon, Douglas P	55416	612-926-7164	Kasper, Lee	55301	612-497-2413
Geist, Gary	55434	612-755-7889	Hoffman, Chuck	55410	612-927-8669	Kauffman, Jere F	55428	612-535-6745
George, Steve	55343	612-935-5775	Hognander Jr, Joe	55436	612-929-6003	Kenfield, Dick	55343	612-938-4382
Gersich, James J	55428	612-535-7613	Holdridge, Earl	55424	612-922-7311	Kenimer, Katherine	55104	612-378-1436
Getsug, Ray	55116	612-690-2974	Holman, Kenneth	55422	612-924-3773	Kent, Rodger	55444	612-561-4818
Gfrerer, Michael	55126	612-484-4357	Holmberg, Berten A	55119	612-738-2232	Keppers, ody	55414	612-331-1645
Gibson, Chris W	55033	612-437-8255	Holmberg, Raymond A	55407	612-724-3807	Kiley, Richard	55337	612-927-9200
Gilbertson, Roger W	55113	612-644-9182	Holmquist, Michael W	55337	612-890-5617	Kimm, Gervaise	55414	612-379-1836
Gillies, C Greg	55337	612-890-4127	Holterman, Eric F	55409	612-822-8528	Kirkpatrick, Amy	55102	612-641-1865
Goebel, Ehrhard	55337	612-890-0213	Homce, Carl P. & Barbara	55406	612-724-1772	Kistner, Joan C	55437	612-835-0641
Goldhirsch, Ralph S	55422	612-544-5988	Hook, John A	55337	612-435-6281	Kjellberg, Gary	55016	612-459-1493
Gomsrud, Robert	55442	612-559-1234	Hooper, Stanley B	55055	612-459-7915	Klemann, David	55106	612-771-3676
Gondek, Sharon	55104	612-644-7418	Horswell, James	55414	612-379-7624	Klietz, Roger	55438	612-944-2737
Goodrich, Philip R	55112	612-633-5517	Hostetler, Marilyn	55391	612-472-5063	Kloempken, David	55410	612-922-0459
Gordon, Walt	55409	507-645-8588	Hoye, Almon C	55436	612-920-6803	Knoff, William S	55432	612-571-1938
Grant, Bob	55407	612-228-9637	Hsiao, Hoyt M	55121	612-835-7356	Knopp, Erik L	55113	612-636-3244
Gray, Todd Alan	55126	612-490-1864	Huck, William	55110	612-426-2545	Kolbinger, Nannette M	55113	
Gray, Wynne H	55419	612-827-7866	Hultine, Ronald	55124	612-432-1877	Kopischke, Greg	55124	612-431-6019
Green, Mark S	55110	612-429-5851	Hum, Vilma A	55122	612-890-7451	Kopp, Robert	55104	612-646-7288
Greene, Dr Eddie L	55437	612-832-5230				Korczyk, Mrs Robert	55009	
Greenheck, Twila	55126	612-483-1214	Imbertson, Jack	55108	612-646-5635	Korlath, Bill	55346	612-561-0859
Gruen, Bruce & Joanne	55435	612-920-2319	Indianhead Federated			Kosky, Bob	55426	612-938-6887
Gudahl, Gladys E	55436	612-922-8304	Library System	54701		Kraft, Edward J	55114	612-644-4177
Gudden, Ben	55076	612-455-3474	Irrgang, Barb	55343	612-935-2728	Krause, James W	55416	612-377-0747
Gunkle, Gloria	55033	612-437-9778	Iverson, Bruce J	55068	612-432-8248	Kroll, Arnold	55025	612-433-3517
Gutenkauf, Joseph J	55124	612-454-7654				Kronk, David	55346	612-937-0389
Guthrie, Judith A	55428	612-535-3183	Jacobi, Paula	93065		Kunau, Timothy M	55407	612-729-8175
			Jacobs, Robert S	55369	612-553-0523	Kurtz, Mary C	55435	612-944-2682
Hadden, James W	55429	612-561-4903	Jacobson, James L	55425	612-888-5253	Kushmar, Jean	55331	612-474-5821
Hagen, Jeff	55124	612-423-1602	Jacoby, James W	55420	612-888-5888	Kusserow, Linda	55126	612-483-2137
Haggerty, James J	55425	612-854-8994	James, Phillip	55109	612-777-2303			

La Fontaine, Joyce	55418	612-789-1827	Maxwell, Stephen L	55104	612-222-7600	Oakley, Joe F	55406	612-729-6107
Laden, David E	55117	612-488-6774	May, Ted	55403		Ogren, Lynn	55411	612-588-7939
Laine, Lawrence	55104	612-647-0445	Mazyck, Michael	55417	612-861-7501	Ohnstein, Tom R	55113	612-636-4595
Lamb, Michael J	55431		Mc Cann, James J	55112	612-636-0565	Olejnicak, Scott	55425	612-724-7068
Lampe, Fred R	27514	919-942-2735	Mc Clure, Martin R	55105	612-227-9348	Olesen, C J	55343	
Lande, Susan R	56011	612-873-2847	Mc Curdy, Rudi E	55442	612-559-1080	Oliveria, R T	55119	612-739-9424
Lange, Robert G	55432	612-571-1551	Mc Farlane, William	55438	612-829-7210	Olson, Otis	56050	507-931-4514
Larson, Craig J	55421	612-789-5975	Mc Guinn, Frank	55439	612-935-7653	Oman, Leon	55104	612-647-9668
Lassiter, Steven	55403	612-874-1694	Mc Partlan, Chris	55420	612-884-2492	Ostertag, Thomas	55108	612-488-9979
Laudon, Robert T	55414	612-331-2710	Mcginnis, Cliff	55109	612-483-3660	Ostrom, Judith A	55112	612-633-9594
Lawson, Chris D	55345	612-931-0965	Mcintosh, Ross	80303	303-494-6541	Ostrov, Dr C S	55421	612-544-6459
Le Plane, Adrian	55407	612-822-7000	Mclafferty, Gregory T	55014		Overby, Kathy	55117	612-776-3022
Lechtman, Suzanne R	55116	612-699-2251	MECC	55126				
Lee, Cathy	55102	612-224-5790	Mehle, Thomas	55412	612-529-6774	Packwood, Mary	55122	612-890-4616
Lee, Gordon	55437	612-831-6979	Meisner, Kendall	55044	612-892-3982	Pancratz, Gregory	55105	612-936-9567
Lee PA, Curtis	55391	612-473-5099	Melon, Jean	55407	612-729-1174	Parfet, John S	55077	612-454-7090
Leerhoff, Vic	55429	612-537-4791	Melpomene Institute	55104		Parker, Jason	55121	612-683-3648
Leir, Jo Ann	54025	715-247-5108	Melzer, Raymond W	55418	612-789-9337	Pashbin, Paul T	55437	612-780-9896
Leisman, Wayne M	55063	612-629-2873	Meyer, Byron W	55436	612-935-7364	Patrie, Barb	55409	612-827-2782
Lenling, Camille	55372	612-447-8213	Meyer, Dennis	55364	612-472-5023	Paulson, Dennis	55408	612-825-6358
Lerschen, Barbara	55372	612-447-6498	Michals, Tom	55122	612-452-5667	Paulson, Jerry	55337	612-435-7676
Level, Eric	54022	715-425-6567	Mille Lacs Co Area DAC	56353	612-983-2162	Pearson, Dale G	55101	612-225-8280
Lewey, Lance	55426	612-936-9562	Miller, Anthony D	55405	612-871-2508	Pehrson, Eric	55419	612-926-4620
Lewis, Patrick	55431	612-888-3216	Miller, Jackie	55337	612-890-2071	Peitz, Paul J	55429	612-560-9370
Lex, Mark G	55337	612-894-1522	Miller, Robert M	55076	612-450-0091	Peploe, Ella Jean	55427	612-546-4605
Light, Rick	54022	715-425-1391	Miner, James F	55406	612-721-7791	Peregoy, Betsy	55409	612-827-9057
Lindeen, Charles	55104	612-489-5596	Minumin, Andrew	55438	612-944-6360	Peters, Jeff	55427	612-537-2779
Lingle, John	55431	612-888-9766	Mizuno, Nancy K	55912	507-437-7505	Peterson, Norman C	55113	612-484-3410
Litton, Stephen F	55427	612-544-1554	Molitor, Bradley	55369	612-425-1778	Peterson, Randy	55419	612-920-9349
Lomker, Michael H	55422	612-535-0415	Moloney, Jamie	55344		Peterson, Richard H	55356	612-473-5846
Londeen, Dave	55437	612-881-0597	Momoi, Katsuhiko	56301	612-379-2490	Peterson, Steven	55436	612-922-9212
Loomis, Jerry	55344	612-944-9591	Montgomery, Herb	55436	612-922-0724	Pfaff, Robert J	55123	612-452-2541
Lott, Fritz	55422	612-377-3032	Moon, Greg	55435	612-929-3811	Pfister, Joel W	55422	612-522-8518
Lovrien, Joan	55125	612-739-6958	Mooney, Jason	64137	612-894-3778	Pherson, Mary	55122	612-454-0783
Lowe, Bob	55345	612-933-0464	Moore, Terry	55011	612-753-1823	Phillips, Brad	55437	612-884-0745
Lozito, Bill	55431	612-888-0313	Moran, Jack	55424	612-920-0558	Piepho, Dale A	55109	612-770-6079
Lozoski, Laurene	55116	612-698-3365	Morehead, Marc	55444	612-560-7132	Pihl, Leif O	55406	612-729-8277
Lucas, Steve	55124	612-431-1740	Morley, Tony	55406	612-724-2339	Plain, Robert M	55343	612-933-1837
Ludwig, Art	55343	612-935-8675	Moulin, Donald D	55102		Porcell, Travis	55113	
Lufkin, Thomas M	55116	612-698-6523	Mulek, Richard	55304	612-323-1060	Porter, John	55105	612-699-5052
Luger, John	55092	612-464-5233	Murray, Gladys	55113	612-490-6402	Porter, Robert D	55122	612-688-6901
Lunderborg, Kayleen	55431	612-888-9586				Post Software Inc	55127	612-429-6735
Lundin, C David	54009	715-483-3776	Nelson, Bryan G	55406	612-724-3430	Potter, Richard A	55417	612-822-6430
Lynch, Brian T	55414	612-379-2178	Nelson, Clarence W	55124	612-454-3314	Prison Program	55414	
			Nelson, Lloyd A	55068	612-423-3112	Przybelski, Lisa	55116	612-698-7942
McGraw-Hill			Nelson, Rolf T	55429	612-420-3076	Puncochar, Glenn	55418	612-781-7101
Healthcare Group	55435		Neuman, Pat	55105	612-690-4999			
Madsen, Timothy	56002	507-278-3657	Newcomer, Nancy H	55410	612-922-9500	R & W Carl Advertising	56450	612-692-4387
Magree, Melvyn D	55442	612-559-1108	Newmark, Richard A	55119	612-735-4541	Radloff, Charles	55416	612-926-2056
Malikowski, Steve	56303	612-654-0545	Nichols, Rick	55439	612-941-9067	Ramler, Don	55016	612-459-8128
Mansfield, Colin	55407	612-823-8762	Nielsen, David J	55369	612-424-4191	Rasmussen, Gerry	55115	612-426-2371
Marchiafava, Bruce T	60302	708-383-6574	Nielsen, Donald G	55441	612-559-5942	Ratliff, Jerry L	55104	612-647-0783
Maroushek, Dale R	55128	612-777-5309	Nollet, Judy	55108	612-646-7359	Ray, Richard S	55408	612-822-6948
Marsh, Wayne	55409	612-827-3369	Norback, Judy	55435	612-927-5537	Reed, Thomas	56301	612-255-9137
Marsolek, Jerry	55075	612-455-3750	Norman, Ben	55089	612-258-4507	Reever, Cindy	55344	612-934-7500
Martin, Tammy	55345	612-938-1055	Norwest Corporation	55479		Reich, Ronald R	55420	612-888-7813
Martinson, Reid A	55110	612-492-8706				Reid, Tom R	55105	612-698-9584
Mass, Gregory	56401	218-829-8436	O'Malley, MaryKate	55431	612-888-5361	Reinke, Joseph F	55112	612-780-8498

Reinken, Joy Kopp & Jim	55372	612-440-5436	Silberman, Sheldon	55422	612-377-0272	Vader, Peter B	55418	612-869-1430
Remer, Teena	55426	612-933-1876	Silverson, Sarah K	55424	612-927-8159	Valentine, Richard	55436	612-922-2885
Renner, Marc S	55109		Simmons, Lynn M	55347	612-941-5228	Van Alstine, Frank	55337	612-894-5076
Renner, Tom	55347	612-937-2391	Simon, Judy	55417		Van Guilder, Gerald	55119	612-776-6829
Rettich, Judi	55419	612-827-3268	Slingsby, Ken	55089	507-263-3715	Vanden Plas, Jane M	55428	612-537-4384
Reynolds, Lee	55407	612-722-7577	Smalley, Don	55105	612-698-1984	Vandrueten, Jim	55416	612-591-0256
Rhoades, Bill	55057		Smith, Howard Y	55418	612-789-7616	Varevice, Ed	55419	612-825-7846
Rice, Thomas J	55126	612-484-5519	Smith, James A	55423	612-866-5664	Verstegen, Peter	55082	612-430-0316
Riebe, Bruce A	55102	612-451-9639	Smith, John T	55416	612-936-7855	Vetter, Steven C	55112	612-631-3682
Riesselman, Robert A	55331	612-470-0196	Smith, Maxine	55104	612-645-1318	Vidmar, David L	55710	218-749-2960
Ring, Leon and Kathy	55391	612-935-8860	Smith, Paul W	55415	612-339-2868	Vimr, D J	55118	612-454-1461
Ringquist, Jim	55604	218-387-2234	Smith, Robert P	55423	612-861-6940	Vogel, David G	55068	612-423-2249
Ringsmuth, Paul L	56387	612-251-7326	Sorem, Bill	55337	612-892-1360			
Rivard, Duane J	55113	612-484-8896	Sorenson, Gary	58106	701-235-0073	Wald, Eugene	55016	612-459-2005
Roberts, Gloria P	55128	612-739-7519	Sorenson, Leroy O	55404	612-870-7366	Walker, Brian K	55347	612-829-7281
Robins, Stanford	55101	612-455-9444	Sower, Gehry D	55433	612-421-1524	Walker, Darrel	55437	612-835-4791
Robinson, E J	55424	612-925-3419	Spilseth, Paul	55082	612-439-5568	Walker, Stephen J	55102	612-291-0831
Rose, William C	55429	612-537-2455	Spira, Len	55436	612-935-9256	Walsh, Robert F	55105	612-224-4318
Rosen, Curt	55113	612-481-7891	Spitler, Ed	55124	612-432-4083	Ward, Vic	55101	612-699-0649
Rosen, Michael	55404	612-339-5189	Spitzer, Karen	55404	612-332-8159	Warhol, Pete	55331	612-474-7177
Rosenberg, Robert M	55416	612-377-4300	Stansbury, John	55409	612-926-3506	Warner, Bill	55113	612-529-8197
Ross, Teri A	55343	612-593-9085	Steen-Hinderlie, Diane	55416	612-929-6156	Washburn, Fritz	55337	612-435-6346
Rossin, Thomas	55412	612-521-5155	Steinbicker, Bill	55345	612-931-9047	Watson, Harold J	55414	612-378-9461
Rost, David	55318	612-542-8588	Stewart, Annalee	55414	612-378-0778	Webb, Lewis F	54016	715-549-6382
Roste, Jodi	55343	612-933-1698	Stillely, George D	55427	612-544-4767	Weber, Launcelot G	55424	612-926-4152
Rostkoski, Thomas & Susan	55438		Stout, Gary	55414	612-623-3466	Weber, Lillian M	55424	612-926-4533
Rourke, Mary Joan	55113	612-483-1228	Stoval, David	55331	612-474-8015	Weisner, Ben	55408	612-823-4228
Rueb, James	55454	612-333-3778	Strathman, Larry	55417	612-724-2833	Welch, Gene P	55442	612-559-1166
Runyon, Robynne	55422	612-529-0339	Strating, Jeff	55419	612-623-7828	West, Suzanne	55405	612-377-5985
Rydeil MD, Robert E	55345	612-933-1019	Stuck, Liz	55414	612-378-3082	Wheeler, J Edward	55423	612-881-5928
			Stull, Eric	55108	612-644-1298	White, Garry C	55944	507-634-4090
			Surine, Susan G	55117	612-774-2224	Widmer, Ronald H & Adelle K	55113	
Sachs II, Samuel	48203		Susskind, Ronald	55104	612-645-2730	Wigand, Richard	51104	???-922-5998
Saeks, Allen I	55422	612-374-5134	Sutten, Jon	55372	612-496-3041	Wilhelm, Joel	55337	612-890-9067
Samuelson, Joanne	55112	612-636-7686	Swanson, Kristin	55416		Wilkening, Keith E	55437	612-831-8356
Sandven, Dorothy & Roger	55420	612-884-5841	Swatez, Jack	55416	612-922-8492	Willems, Cletus	55437	612-881-4438
Sauer, Thad	55122	612-452-0179	Syfax Noble, Mary	55419	612-927-6621	Willenbring, Pat	55105	612-698-7047
Sautter Stark, Stephanie	55343	612-935-6085				Williams, Lindy	55438	612-944-0333
Savitt, Gregg	55426	612-546-6189	Taylor-Sharp, Keith	55104	612-646-4576	Willson, Tim	55430	612-566-6423
Schai, Thomas W	55113	612-482-9033	Telke, Terry	55123	612-454-6182	Wilmes, Steve	55016	612-450-7448
Schiller, Russell	55419	612-926-5412	Tenney, Quentin E	55337	612-890-7886	Wilson, Ben	55105	612-690-0827
Schlicher, David W	55423	612-869-8262	Tharaldson, Craig	55423	612-869-1072	Wilson, Robert S	55345	612-474-9353
Schloff, Leonard	55116	612-690-2113	Thiesfeld, Chuck W	55044	612-891-5636	Wilson, William R (Bill)	55426	612-545-8368
Schmitt, Tom	56308	???-763-5572	Thofem, David	54023	715-749-3407	Wisc Indianhead Tech Col	54017	715-246-5617
Schussler, Larry	55384	612-471-9294	Thomas, Jay	55343	612-559-8806	Wittenberg, Jill M	55345	612-872-4206
Schwartz, Terry	55118	612-455-5222	Thompson, Bruce	55441	612-546-1088	Wittjes, Linda	55344	612-423-3638
Seifert, Laura	55402		Thompson, Douglas	55378	612-894-6868	Wood, Randy	55068	612-423-3752
Selvik, Rick	55413	612-378-3816	Thompson, Roy L	55113	612-636-3419	Wright, Margaret D	55112	612-633-6399
Seng, Richard C	55401	612-333-5840	Thomson, Sld and Diane	55337	612-894-9384			
Shaff, Tom	55105	612-225-1191	Thuston, Francine Creme	55116		Young, Alwin C H	55438	612-944-8909
Shapiro, Neal	55105	612-699-5681	Tingelstad, Kathy M	55304	???-421-2000			
Sharpsteen, Jerry L	55337	612-890-5068	Totten, William M	55105	612-699-1220	Zahradnik, Mike	55101	
Shepherd, Beverly	54022		Townsend, De Wayne	55406	612-724-7010	Zavitka, Deborah	55423	612-798-4957
Shervey, Paul	55409		Treadwell, Lynn A	55122		Ziemer, Edward L	55936	507-754-5020
Shields, Jim & Wendy	55304	612-434-9836	Trotman, John	55347	612-944-6983	Zumbrunnen, Anne C	55337	612-890-9211
Shuckhart, Harold	55303	612-422-1645	Twito, Paul	55404	612-872-9763	Zurn, Darryl	55418	612-781-7781
Sibet, Rand	55444	612-560-8103						
Sienko, Richard A	55422	612-542-8741	Undlin, David	55124	612-432-0913			
			University of St Thomas	55105	612-788-5094			

Finger Print GSi Board

Screen
snapshot/
graphics
board also
available for
//c and //e



reviewed by
Al Collard

I first heard of the FingerPrint board in a reviewer's column in some half-remembered magazine article. It got my attention then, but was soon forgotten. I remember some ads after that, but again, nothing stuck in my mind. Yet it must have made an impression, because as soon as I had a few extra dollars, I became convinced that I needed one. I tried some local dealers to no avail. I looked in magazines for ads and couldn't find any. Eventually, I came across a mail order outfit selling the product. I knew very little about the board and knew that no one had one. I had no sound logic for trying the darn thing. This was obviously one of those situations just made for separating us from our hard-earned dollars for half-baked frivolous products that never live up to expectations. Feeling like a sucker, I placed the order anyway. I'm sure glad I did!

The FingerPrint GSi board is a hardware board that comes with a button to press when you want to capture something on the screen. You can either save the screen to disk or send it to the printer. That is all I knew when I ordered it. I have found it to be much more.

I have a IIGS with an ImageWriter II printer plugged into the built-in printer port. Before you IIc and IIe owners turn the page, know that they also make FingerPrint models for your computers.

I had imagined plugging the printer into the card, but that was not the case. Adding the card doesn't change the way your printer hooks into the computer at all. The card goes in any slot, including the normally off-limits slot 3. You don't even declare it in the control panel. There are no connections to the printer at all. There is a rather odd button attached to an equally odd flat

cable. The button struck me as incredibly cheap at first but further reflection made me see the wisdom of their design. It is a 1 by 1 inch square, and only as thick as a credit card! For you techies, it is the membrane type with no mechanical parts other than the plastic material it is made of. It should have a long life. Besides, there is a five-year warranty. The button has self-adhesive material. The flat flexible cable enables you to feed the button out and under the cover at the front of the machine. This way you can position it on the same step that the power light sits on, giving you easy access. It is very unobtrusive and well designed. My only complaint regarding the button is a very personal one. The color is a mild red. I would have preferred a more camouflaged Apple platinum or beige. The board fits only one way in the slot and since it can go in any of the regular slots, the installation was quite easy (if taking off the GS cover could ever be construed as easy).

Using it is just as simple. It works with any program, regardless of the screen mode. That means 40 column text, 80 column text, Lo-res graphics, Hi-res graphics, Double hi-res and Super hi-res (320 or 640) are all supported. It works with them all! When you have a screen you want, you simply press the button. The screen clears and you get a text/mousetext menu bar across the top of the screen. You can use either the arrow keys or your mouse for all selections. From this screen you can either click the mouse button (or hit return) to dump to the printer, or you can select an option from one of the pull-down menus.

Rather than give you a blow-by-blow of each menu item, I thought I would just highlight

the features. You can convert IIe type graphics to Super hi-res graphics! You can take the whole screen or just a part of the screen. Screens saved to disk are saved in standard formats and can be loaded in by most commercial programs. For example, I captured the guy in Design-a-saurus who kicks the file cabinet, and loaded him into PaintWorks. I put him in the driver's seat of the Big Foot my son had drawn. No special knowledge was required. I pressed the button. I selected Save To Disk from the menu. I supplied the filename. I booted up PaintWorks and loaded the picture the same way as always. There is an "Inverse" option that reverses the foreground and background colors. The Zoom option allows you to enlarge the width and height of an image by a variable factor of one to ninety-nine. You can enter different values for the height and width in order to change the aspect ratio of the printed image. A "Rotate 90" option allows you to print an image sideways. There are both vertical and horizontal 'flips.' The "Billboard" option allows you to print an image up to 130 feet wide by 100 feet high (not on my ribbon!). Cropping is handled nicely by either a movable image square or by coordinates. You can even enter headings to appear at the top of your images. There are several printer set-up options that allow you to send commands to the printer, including the text types, Pica, Elite, Headline, Condensed, and Bold.

The disk functions are slick, too. You can save an image to disk either for other programs or to load later and print with FingerPrint. You can check for free space, lock or unlock files,

Finger Print GOTO next page

Finger Print continued from page 19

functions work under either ProDOS or DOS 3.3 and support most printers.

As if all this isn't enough, they threw in 3 Desk Accessories and a slideshow program. The DAs are meager as far as DAs go, but the beauty is that they are available for all programs, not just GS-specific programs. And because they are resident in the on-board firmware, you don't add to your boot time and you don't eat up RAM space. The DAs are a simple calculator, a calendar, and a typewriter that sends a line to the printer after each press of the return key. I thought the typewriter was particularly poor compared to modern word processors. Then, one night I was working on a picture in PaintWorks and got a phone call. I needed to write some information down and, of course, couldn't find a pen. To my delight, I remembered the typewriter. I pressed the button and typed in the info right to the printer. After the call I returned to my picture without having to reload anything!

The slideshow program is the only part not resident in the board firmware. It is supplied on a 5 1/4 disk. Simply put, it allows you to make a slide show of either your captured pictures or other standard pictures and includes a titles/credits page.

Overall I am quite happy with the product. It has performed flawlessly with all my programs. I

even found an unadvertised benefit. I was able to pause games that don't have a pause feature. You can then view that screen (or any of the screen pages) and think out your strategies. I can print out the maps in my dungeons game and print all those help screens with all their key command lists. This is very helpful but of course not essential. You have to look at this product as an enhancement, not as an essential. It doesn't replace any functions, it adds functions. The packaging is professional, the documentation is more than adequate considering the ease of use built into the system. It has one or two flaws, like some of the operations are slow, but since I couldn't do them at all before, I'll take it. The conversion of a picture to Super hi-res wasn't perfect. The bottom line is: I feel good enough to want to tell you about this product and recommend it.

FingerPrint GSi is sold by Thirdware Computer Products. I paid \$79 through mail order.

from *NEO Apple Bits*, 12/89-1/90
via Rufus Teesdale of *GRApple News*, 6/90
via Steve George, *mini'app'les*
stgeorge@pnet51.orb.mn.org or
crash!orbit!pnet51!stgeorge



Stylewriter Printer

Quality: Excellent in "High Quality" mode (360 dpi). The "fast" mode looks washed out and very gray in contrast to the HQ mode which is intense black.

Speed: OK for low-volume personal use only, and even there it will leave many asking for more. Comparable to ImageWriter.

Ink smear: Water-based ink is smear-prone to wet fingers, sweaty palms. I'd guess that normal text is "dry" in a moment or two, and that "dense coverage" in a dark graphic might remain a touchy situation for a minute or two. A "fix" to the post-output smear problem... if it is a problem to you... is to copy the original with an office copier (a kludge in any view). Because of the cartridge technology, there is NOT a potential of a change to a non-smear-when-dried ink system such as HP developed.

Price: Street price expected to run about +/- \$400... very similar to the ImageWriter.

Cartridge: (Really stretching the recall here...) expect to output about 100 pages of text for a \$20.00 cartridge.

Paper handling: Good options for sheet and envelopes. No tractor, so don't expect to crank out mucho reports or labels.

Other: Small desk footprint. Can "knock down" to some degree for easier carry/storage. My impression of the "tray" is that it was "flimsy" and could be a problem... but that was not viewed up close. Uses "TrueType" font technology which requires System 6.0.7 on the Mac (don't know about the GS).

Recommendation from a one-view demo: Ok for very low volume personal use where excellent quality is required, but on limited paper stocks. (BTW... expect to experiment a bit to find the "right" paper for this ink system.) "For a few dollars more..." a low-cost laser printer will probably be a happier choice for a larger audience.

Review by TWE from presentation by Mike Carlson of Hagen Office Equipment. 🍏

A Review



by Tom Edwards

Problems with 6.0.7?

6.0.7/CPU Investigation Summary - 4/30/91

Apple
Responds



downloaded
by Paul
Jacoby

Our continued investigation into reported "bugs" with SSW 6.0.7 has shown that 6.0.7 is a very stable release. Initial investigations showed that other issues were causing false concerns with 6.0.7 and this continued investigation has proven this again. Any problems we have found have not been attributable to 6.0.7 but were caused by other issues.

This document summarizes the information that we have discovered on these non 6.0.7 issues. Please pass this information on to anyone who is doubtful about 6.0.7. We have seen many instances where incorrect information has led to a lack of confidence in 6.0.7 where in fact these were problems having nothing to do with the software.

Quick Summary

There has been a significant decrease in "rumoured" 6.0.7 problems since investigation began. Issues that have been reported are mainly due to the following reasons:

1. Hardware related: faulty third party 2MB SIMMs
2. Confusing "Co-processor not installed" message
3. Caused by incompatible or old revisions of software
4. Cases caused by systems infected with the WDEF virus.

These four issues constitute most of the questions that concern 6.0.7.

Issues

- Bad third Party 2M SIMMS

We have seen quite a few systems whose problems have been attributable to bad 3rd party 2 Mb SIMMs from different developers. If you have third party 2 Mb SIMMs and are experiencing problems, please contact the developer for more information.

Investigations showed that pulling out the SIMMs would cause the problems to disappear.

Initial Problem: IISI system from an Apple account has bad third party 2MB SIMMs that have a critical logic error. Engineering feels sure that the problems reported by this account are due to these 2MB SIMMs. Removing these SIMMS solved the problems.

The failures were three system hangs and one "No Co-Processor found".

- "Coprocessor not installed" message

In most cases, this error message under 6.0.7 is

erroneous and has nothing to do with whether a math coprocessor is installed or not.

This error message appears when an invalid f-trap instruction is encountered and can occur when an application inadvertently gets trashed, or when debug code is left by accident in an application. In previous versions of system software, an "ID=10" error message would have been displayed.

In System 7, this error message is replaced by "Bad F-Line Instruction".

Initial Problem and explanation: In pre-6.0.7 versions of the system software when a system error occurred the message "Sorry, a system error occurred. ID = xx" would be put up by the system. In 6.0.7 the "ID = xx" part of the message has been replaced by a specific message (in cases where the system error code is not one of the standard error messages the default message "error type = xx" is put up instead).

"Sorry, a system error occurred. ID = 10" is now replaced by "Sorry, a system error occurred. Coprocessor not installed" in 6.0.7.

System error 10 is generated whenever an invalid f-trap instruction is encountered. If a valid f-trap instruction is made and no floating point coprocessor is installed then the exception handler generates system error 90, "floating point coprocessor not installed".

How this error message can be generated:

1. Any applications that have not taken out all of their debug code have the potential of causing this message to appear.
2. Programmers that have the habit of handling errors by dropping into the debugger via an f-trap have the potential of causing this message to appear in their programs.
3. An application that inadvertently gets trashed with \$Fxxx somewhere in that application's code segment could cause this message to appear if that code were to then be executed.

- Classic and Drive Problems

No further problem reports of this kind.

Initial Problem: A problem reported with a Macintosh Classic that when installed with the FDHD 6.0.7 set of disks would crash on boot and

System 6.0.7 GOTO next page

System 6.0.7 continued from previous page

when installed with the 800k set of disks would boot just fine. It turned out that when you installed MacsBug with the 800k install this would also crash the system on boot.

Investigation from both hardware and software engineering showed that the hard disk in this Classic had a timing problem.

- **Compatibility Issues**

Compatibility with System Software 6.0.7 has been extremely good but as with any software release there are certain compatibility issues.

Please check compatibility lists or check with developers for up to date compatibility information.

- **WDEF Virus**

We have found that the WDEF virus is incompatible with 6.0.7 and will cause serious system crashes. We recommend that users run Disinfectant 2.4 on any system suspected of being infected.

Thank you,

World Wide Product Marketing Engineering
Project Management

—submitted by Linda Bryan 🍏

Print Merge and Document Assembly Made Easy

Do you ever need to produce several copies of a document with just a slight variation in each one (e.g. a form letter)? Do you create different documents that share one or more common elements (e.g. a contract)? The Print Merge feature in Word 4.0 is designed to help you with both types of jobs. We think there may be a misconception that Print Merge is useful for creating form letters only. The following tips should help you take better advantage of this versatile feature and offer some suggestions for an error-free print merge.

name	organization	address 1	address 2	salutation
Ms. January Bloom	ABC Corporation	1021 First Street	Seattle, WA 98112	Dear Ms. Bloom
Dr. N. B. Knees		17 Hemlock Place	Downey, CA 95501	Dear Dr. Knees

Page 1 Normal

```
<DATA data documents>
<name><IF organization>
<organization><ENDIF>
<address 1>
<address 2>
<salutation>
Thank you for your letter regarding participation in our beta program... We are thrilled that our customers have shown such a high level of interest in becoming a beta sight...
<ASK selected=?Was . <organization> . selected as a beta site (y/n)?><IF selected="y"><INCLUDE beta plan><ELSE><INCLUDE apology><ENDIF>
```

Page 1 Normal

CLARIS

Technical Brief

Public Folder

Public Folder Conflict

The following combination will casue a crash upon startup:

Vaccine 1.01

Public Folder

MIRROR (by Central Point Software)

Any two together work fine but not all three together.

The articles on this page were downloaded from the DTP Exchange BBS 636-7580
Chuck Bjorgen, SYSOP

Members

You are entitled to one Classified Ad a month.

Call Dave Undlin at 432-0913

or

the mini'app'les BBS at 892-3317 to place your ad.

Bug in Mac PageMaker Upgrade

Macintosh
Software



Phil Gaskill,
Aldus Corp.

[The following message was posted by Phil Gaskill of Aldus Corp. on several online services on Monday, April 15, 1991. Linda]

We have discovered a serious problem in Book printing from Macintosh PageMaker 4.01. This problem is so severe that we have stopped shipping 4.01 until we get it fixed (which should not take long).

The problem occurs when printing a Book that uses different fonts in subsequent publication files than it uses in the publication file that is open when you print. Random font "substitutions" will happen in those subsequent files: that is, which exact font substitutes is ran-

dom, but it is then consistent (Font B when it should be Font A) throughout the printing of that file. If the same exact fonts are used in all publications in the Book, this does not happen.

The only workarounds for now are: (1) print all your Book files separately; (2) print your Books from 4.0. By the way, I can only assume that printing from 4.0 disables the automatic page numbering of Book files that is a 4.01 feature; I have not tested this myself, so I can only urge caution.

We of course are very sorry when things like this happen. We did test 4.01 extensively; it was actually late in shipping because we wanted to test it

some more. Yet somehow we missed this particular problem.

The ironic thing is that the problem is caused by a change we made in the interests of printing speed. Certainly there won't be many people reading this message who won't applaud us for trying to speed things up. It just happens that in "fixing" one thing, we "broke" another and then didn't catch it in time.

Phil Gaskill, Aldus Corp.
COMPUSERVE Number
76130,3073 .

Downloaded from the DTP Exchange BBS.

—submitted by Linda Bryan 🍏

Hyper.KRS™ for HyperCard 2.0 Text Index & Retrieval

Macintosh
Software



from a Press
Release

KnowledgeSet, has release of a new version of its full-text indexing and retrieval software that is fully compatible with Apple HyperCard™ 2.0 stacks.

HyperKRS™ 2.0, has several new features including international and special character support, expanded stack handling capability and stopword list.

Provided as XCMDs and XFCNs, HyperKRS searches an entire stack in seconds, regardless of stack size. In order to provide fast retrieval, stacks are first processed through, HyperIndexer, an indexing system that describes the exact location of every word in the stack. When a search is executed, HyperKRS searches the entire indexed stack and immediately displays a "hit" list of all the cards in the stack that meet the search criteria. Searches are highlighted and "next/previous" match (or card) can be used to navigate the hits.

HyperKRS allows HyperCard users to search for a single word or build a complex query by providing a variety of search methods including And, Or, Not, Exact Order, Wildcard, Proximity and Field Specific searching. When a hit list is displayed, each card title listing indicates how many hits are in that card so the user can judge its relevancy. Hypertext is then used to select and display the desired cards.

The stopword list lets the user decide which words to leave out of the index thereby reducing the amount of disc storage space required for the index. The new pop-up word list allows users to alphabetically view all of the words in the stack. It helps with spelling questions and the user can select a word from the list for automatic pasting into the search screen.

In addition, HyperIndexer features a new variable bit locator that allows it to work with a broad range of stack configurations with up to 255 stacks in one index, 2 billion cards per stack, 31 fields per card, 65,535 paragraphs per card and 65,535 words per field.

HyperKRS 2.0 is priced at \$195.00 for a starter package which consists of HyperIndexer, the indexer and HyperKRS, the full-text search and retrieval engine. Registered users of HyperKRS 1.1 can upgrade to HyperKRS 2.0 starter package for \$29.95. Free upgrades are provided for registered users who purchased HyperKRS 1.1 after May 31, 1990. For additional pricing information, contact KnowledgeSet at 1-800-456-0469.

—from AppleLink material via
Jim Horswill 🍏

Excel Text File Blues

Macintosh
Software



by Barry Jay
Levine, MUG
News
Service

If you use Microsoft Excel (any Macintosh variety up to and including version 2.2a) you may be tempted to utilize it as a replacement for a "genuine" database manager. After all, Microsoft says that you can do just that in their advertising and their manuals.

Ah, but there's trouble afoot, Watson! Excel has three major problems with text files as they are generated by many of the sources from which your information may be culled.

- Excel uses the ASCII "0" (zero) character as its internal terminator. This is not the Arabic number zero; rather, it is the first symbol in the ASCII character set that your computer uses to communicate with its disk, other computers, etc. When reading a file, as soon as Excel encounters ASCII "0", it believes it has reached the end of the file. Whatever it has read prior to the ASCII "0" will display in the converted worksheet, but the rest... oh, well.

The solution: Clean up the text file before opening it with Excel. Use a program like Word, QUED, or any other text editor that will allow you to search-and-replace by ASCII code. Put the appropriate symbol for ASCII code "0" in the search field, put nothing (not even a space!) in the replace field, and click the "Change all" or "Replace all" button. Voila! Save the changed file (still as type TEXT) and return to Excel to proceed with the importation of the file.

However, that brings us to the second problem that Excel has with text files.

- If Excel encounters a quotation mark (" , not the curly-cue kind) when importing the text file, and if it does not find the second within 256 characters (the maximum number of characters in an Excel worksheet cell), the second quotation may not be seen by Excel. Since all information after the 256th character in a cell is truncated, the remainder of the file may be, and usually is, truncated.

The solution: Back to that text editor, guys 'n gals. Use that search-and-replace feature to eliminate all quotation marks or, if some are truly necessary, make sure that for every opening quote there is a closing quote within 256 characters.

Okay, are we finally ready to import that one megabyte tab-delimited text file? Not on your life, dudes and dudettes.

- Excel can only read the first 400K of any text file that was created in any other application. Anything after that is ignored because Excel will stop reading the file.

The solution: Open the text file with your trusty Swiss Army text editor and split it into as many segments—separate files—as is necessary to keep the file size below 400K.

All right! Let's pull those segments into Excel, shall we? You'll need lots of RAM for this procedure; I have four Meg and it works fine. Launch Excel, select Open... from the file menu, choose segment #1 of your file, check that the proper delimiters button (tab or comma) is pushed in the Text Options dialogue, and click the "Open" button. When it opens (Excel 2.2 is still excruciatingly slow in reading text files of any size) save as a "Normal" file. This will allow much quicker access in the future.

Now we can open the remainder of the text file segments, select the active cells, copy to the clipboard, switch to the segment #1 window, click in the first cell below the active cells (where you want the first field of the next record to appear), and paste the clipboard into this worksheet. Be patient; this may take a few minutes to paste. Don't think you've crashed unless your Mac sits there for 10 minutes or more.

When (if?) the paste operation is successfully concluded, immediately save the segment #1 file again. Repeat the procedure for any additional segments.

By the way, you may save the final, reconstructed file as text. Excel will now know that it created the file and will read it with no problems.

MUG NEWS SERVICE, 1990. Reprinted from the April, 1990 The Border Connection. (This information was culled from America Online's Microsoft Knowledge Database.) Downloaded from the DTP Exchange BBS.

—submitted by Linda Bryan 🍏

Thanks to all who helped get this issue ready for publication, especially: Steve George for the many articles, cleaning up of the membership list, and proofing at midnight; Dave Undlin for laying out the membership list and members classified ads; Darryl for editing and modeming articles to me and Jim Horswill and Tom Edwards for answering my call for articles and the eDOM catalog and modeming them to me.

Cindy Reeve

CD ROM Drive & Issues

Where are
the eDOMs?



by Tom
Gates

I thought Tom should have a chance to explain what is going on with the CD ROM Drive and Mac eDOMs. There has been a lot of discussion and accusations going on and I think Tom is unjustifiably taking the blame for the scarcity of Mac eDOMs. Tom says that several people were given Mac eDOM disks to write reviews on the software and he did not get any of them back. The newsletter staff has never gotten any write-ups on the Mac eDOMs to put in the newsletter and they were not uploaded to the BBS. I finally found someone who had them on disk and Jim Horswill was nice enough to modem them to me.
—Cindy

Just for some past doings.... There was a big to-do that Apple Inc. wanted to do a deal with all Apple User Groups on a CD-ROM drive. This was because of the work being done by the National Apple User Group (NAUG) for their conference in Chicago last April (1990). NAUG had prepared software on CDs for both Apple II and Mac machines. It was done in CD format to eliminate the problem from the year before on the logistics of getting the software out on 3.5" and 5.25" disks.

So, a proposal was made (by me) to take Apple up on its offer of CD-ROM Drives to the User Groups. The cost of which would be covered thru sales of software from the NAUG disks. It broke down to selling 10 each of 10 Mac eDOMs and 10 Apple II eDOMs or \$500 in eDOM sales from the CDs. The proposal was agreed to and arrangements made for me to pick up the disks and drive at the Conference.

Lo and Behold, Apple had no intentions of selling the drives at the conference much to the dismay of dozens of User

Groups. Instead, the UGs (User Groups) were to "run" to a dealer (literally, there was less than a week left in the deal when I returned from Chicago) and fill out a special form and send it with certified check to Apple Inc. Apple had underestimated the last minute rush of orders as a result of the UGs waiting for the NAUG conference, only to hit up a dealer the last week of the deal.

Apple ended up being some 4 to 6 months behind in "manufacturing" the drives for this offer. Mini'app'les received their drive some 6 months after the conference. (Dick P. would have the paperwork with the exact dates). This was not real timely to get the software out from the CDs. So I had made arrangements with a local dealer to use their equipment off hours to start getting some software moving.

Myself and a helper went bleary-eyed during the process of creating the first 10 disks. (slow process—I've seen faster 5.25" drives—took several hours) I then began looking for some Mac'ers to do write-ups on the disks. These passed thru a couple of hands until they got to someone last fall that I was sure was going to handle it. By this time the drive was here and I borrowed the Club's SE for the course of a month to build up another set of 10 disks. These too were handed out for write-ups.

Nothing—zip—back in 6 months. Just of late, I thought I had a real hot deal in the works for some help in this area and it just plain went south and fizzled to nothing. The stuff just isn't coming back.

I will say though that the Apple II side has been very responsive. To date there has been 13-disk set of fonts, 3-disk set of

general GS programs, 17-disk set of Beagle Bros disks and a 10-disk set of Mean 18 courses created. Or in the neighborhood of 43 disks made, handed out, written up and made available to members. With another set of 5 AppleWorks disks ready to hit the pipeline just this week.

I'll entertain suggestions on how to get people off of "GO" to get these done. As I get material back I put more into the pipeline.

I have also hoped that some of those members with CDs themselves, or access to the shareware disks would be willing help provide eDOM material. But remember, even though the NAUG disks contained much shareware, there were also files that were oriented to the User Group audience the disks were sold to. Disks from other sources are of the same nature, not all shareware or public domain. Please be cautious of this.

As for a CD-ROM SIG to get together to go thru CDs from various sources, that sounds great! But, it is mini'app'les policy that no software copying be done at meetings. This is to avoid any notion the public in attendance may have that there may be some kind of piracy going on. mini'app'les still shares a bum rap from a SIG some years ago in the northern suburbs that was notorious for copying at meetings. I also hope that folks aren't going out and purchasing CDs because they figure they've got a source for a drive.

This would be something akin to me purchasing Mac software, not owning a machine, but figuring I belong to a User Group


CD Rom GOTO next page

*CD Rom continued from
previous page*

that does and can borrow it, or signing up for its use. I hope this is just a misinterpretation of an earlier statement made about people getting CDs.

As for no disks for the Mac, beyond the CD software, Bob Fellows, to my count, has put out 8 disks in 12 months. These have been announced at the main meeting and written up. The write-ups are in the Mac Disk catalog as well as the hardcopy booklets at the meeting. Bob had said that each was turned over for newsletter publication, but I recall seeing very few if any. I will get back with Bob to see just where these were sent. I'm not saying the NL staff didn't print them by choice, I don't know if they even received them. I want to check with Bob to see where they went and if they followed the right path to get printed.


This pulls the covers off a couple of items and I hope clears some things up regarding the disks and the CD-ROM Drive. Yes we have the drive, no it has not been for over a year, yes there are disks out there for the Mac, no they are not getting written up by those that have offered to help, yes it has been a pain in the rump for all concerned.

—Tom Gates 

HyperTip!

HyperCard 2.0 allows you to have more than one stack open at the same time.

To open more than one stack at once, you have to select the *Open stack in new window* check box in the Open dialog box. To automatically check that box, hold down the shift key as you choose Open from the file menu or as you issue the Open command (Command-O) from the keyboard.

—submitted by Peter Fleck 

Macintosh Software



by Peter
Fleck

mini'app'les Mac eDOMs



#s 810 - 816

Mac eDOMs

The last Mac eDOM write-up I found was Mac eDom #809 in the October 1989 newsletter. Thanks to Jim Horswill for modeming an updated list to me. — Cindy

These Macintosh Educational Disks of the Month were assembled from public domain and shareware contributions by the Macintosh Special Interest Group of mini'app'les, the Minnesota Apple Computer Users Group, Inc. Additional copies of these disks can be obtained at the MacSIG meetings: \$5.00 for club members and \$10.00 for non-members. They can also be mail-ordered by writing to:

mini'app'les
Attention: Mac eDOM Sales
PO Box 796
Hopkins, MN 55343

Please add \$1.00 per disk, up to \$4.00 maximum for shipping.

The files contained on these eDOMs are briefly described below: some contain their own more detailed documentation. Some are also shareware; if you like and use them, please pay the shareware fee.

WARNING: These have not been fully tested on all machines and system/finder versions. So be careful with them at first. Try them out first on something you can afford to lose!

Mac eDOM #810 - Laser Fonts 1 - 800K - Nov. 1989

Copyright 1989 mini'app'les

This disk consists entirely of new fonts for the LaserWriter. Please pay the shareware fee if you use them. They have been selected from various fonts that are available from:

Software Excitement!
6475 Crater Lake Highway
Central Point, OR 97502
(800) 444-5457

Software Excitement! specializes in programs that are public domain or shareware. They seem to have a small, but carefully selected list.

These are the fonts that I put on this eDOM:

Bill's Dingbats
CuneiFont
Flint Font
GrayHelvetica
Hamburg
HiTechHGDS
ModernPrintBold

**Princeton
Rodchenko
ThomasFont**

I tried to select fonts that were fairly complete and/or quite different from the ones we are used to. Enjoy them!

Mac eDOM #811 - Stackware 8 - 800K - Jan. 1990

Copyright 1990 mini'app'les

A few months ago, one of our members asked me if we had anything in the eDOM series that had to do with geneology. Also, I remember reading someplace that finding out about geneology is a current trend. So I went out and found that a company had put a bunch of them together. Once again I am going to recommend a company called "Software Excitement" as a resource. I gave them a call and received permission to pass on some of their stuff. I offered to let you know about them, and their address and 800 number are below:

Software Excitement!
6475 Crater Lake Highway
Central Point, OR 97502
(800) 444-5457

This disk consists six different HyperCard stacks that are designed to keep track of your family tree. They are all titled either "Geneology" or "Family Tree." They are Shareware, but the authors ask for only five or ten dollars. And since you have a choice of six systems for organizing your geneology, everyone should be happy.

Here are the stacks and their authors:

Family Tree 2.0 — (c) 1988 Jim Palms

Geneology 1.0 — by David Brewer (designed especially for members of the Mormon church!)

Geneology — (c) 1987 Garr Henderson

Geneology Data Base 1.1 — by Kevin Mennitt

Geneology Stack — (c) 1988 Nicholas Spies

Gens 1.0 — (c) Paul J. Griffin

These stacks will get your whole family "into the computer." Enjoy them! And check out Software Excitement! for their other offerings.

Mac eDOM #812 - Utilities 4 - 800K - March 1990

Copyright 1990 mini'app'les

About this mini'app'les eDOM disk (assembly by Tom Edwards, November 5, 1989)

Black Box (INIT) — ShareWare, \$15.00

You REALLY want to avoid the Finder, huh? Well, here's another way to do it. This INIT is designed to allow launching from icons that nudge in on the right side of your screen. For those of us with a standard Mac 9" inches, this whittles away at already precious real estate, so you have to make the trade-off evaluation on your own (but smaller icons have been provided as a concession to the small-screen Mac).

Designed with the intent to look like NeXT's desktop, Black Box also includes a screen saver and a clock, so you can reduce the number of INIT's that you need to stuff into your System folder. This is an effort to "speed up" the delays coming from running through all sorts of INIT's to do these things separately. (The author notes that speed is noticeably degraded on unenhanced 68000 machines.)

Documentation is included.

DataDoctor — FreeWare?

Where was this program when I needed it? Just a few weeks ago, I had to take an ASCII file dump from a "mainframe" and change it into a tab-delimited file so I could use it in HyperCard and a database program on the Mac. I accomplished this in HyperCard, but DataDoctor would have done much the same for me. (Of course, I wouldn't have been able to learn all about how to read, write and format files in HyperCard!)

The example provided in the documentation is that of a series of stock quotes that could have come from D and B. The idea is to break up the long string of data into "fields" so you can move the information into a DB program or a spreadsheet. The included documentation tells all, including how to add fields for future calculation needs.

(I checked for a ShareWare notice, but couldn't find anything. If you discover otherwise, please honor the request and drop me a note of where you found it.)

Flow, Push and nekoDA DA's — FreeWare

Be careful with Flow and Push... they are likely to "hang" your system. Each is an animation that corrupts your desktop image. You might want to run them from a floppy disk constructed just to try them out. I doubt that you will want to make continued use of them. (Probably should have brought them out on April 1st!)

"nekoDA" is a cute little DA that plays cat and mouse. Try it. Also let it sit for awhile. Entertaining, but limited.

Mac Cables — FreeWare

If you need to wire up a special cable to your Mac, this series of files should be a help to you. Cables never were my long suit... I know that I needed all of the help that I could get. This stuff will

remain in my disk collection just in case...

ResMaster — ShareWare, \$10.00

All ready to use that new routine, only to be jarred by recalling that you haven't pasted a necessary Resource into your program? If you do this type of thing, you know that it usually means a trip back through the Finder, running ResEdit, then back to your program to complete or test out your prowess as a programmer.

You can avoid the delay with ResMaster, for it provides the utility of ResEdit in a DA. Therefore, you just need to click on the Apple icon, select ResMaster, move the resources that you need and bounce back into your program.

This program works with a lot of resource types. You should find the included documentation sufficient for most needs. If you are doing this kind of thing, you are probably aware of what you need to do, but don't care to get into the detail of how to do it on your own.

SafeLaunch 2.2 — ShareWare, \$5.00

It's the "Finder" that makes the Macintosh such a unique computer to learn... easy, intuitive and consistent. Unfortunately, once that you have learned to use the Mac effectively, always traipsing back and forth through the Finder just to go from one program to another takes time and becomes a bother for the anxious. SafeLaunch is one of a series of ways around that... offering a shortcut that bypasses the Finder.

SafeLaunch comes as both a DA and as an F-Key. It includes an extensive document file that details how to install and work with the program version that you choose.

Shpfitnat Vers. 1.2 — DonorWare, \$5.00

For those of you that are into the music scene, this is a special font version of musical notes to use with the LaserWriter. I guess that the intent was to avoid the need to purchase a Sonata font. Not having a LaserWriter, I have not been able to try it out.

Stack Stuff — (Check the "About..." file in the folder for information on these files.

US Map — FreeWare

Just a MacDraw II file of the US. If you need it, it's here.

Virus Encyclopedia — FreeWare

This stack is a bit dated, but covers a lot of information about virus scourges. If you are interested, there's a lot of technical detail here. You also get some step-by-step instructions on how to eradicate the pests, if you become infected by one of the types covered by this stack.

Virus Rx 1.5 — Copyrighted FreeWare

Apple has released several revs to this program. It lacks some of the bells and whistles of the commercial programs, but seems to be well respected

for what it does.

Hope that you never really have the need to use it!

Tom Edwards, November 5, 1989

Calendar Tools — a shareware program for working with Calendar files.

Calendar Tools currently does four things:

- 1.) Options: It lets you set the day of the week the week begins on. (This is important if you live in a country where the week doesn't start on Sunday!)
- 2.) Convert a Calendar File to Text. This makes a copy of the information in a Calendar file in a form that an ordinary text editor can read. In a text editor, you can search for information, or you can print.
- 3.) Convert a Text Calendar File to a real Calendar file. This merges a copy of the text from the text file in with the existing contents of the Calendar File. Naturally, it works best on files of the form created by (2) above. Since this operation changes the Calendar File, you should close the Calendar Desk Accessory before selecting it.
- 4.) Salvage a Calendar File. Since Calendar is a desk accessory, it depends on the main application to follow Apple's rules. Some rare applications don't, and as a result, the Calendar file may become damaged. This function does its best to recover what can be recovered from a damaged Calendar File.

Calendar Tools is still under construction. If there are functions you'd like to see in Calendar Tools, let me know. If you pay the shareware fee, your vote will count more.

Calendar Tools, \$8.00

Mosaic Codes
Suite 2036
2140 Shattuck Ave.
Berkeley, CA 94704

Mac eDOM #813 - Utilities - 800K - June 1990

Copyright 1990 mini'app'les

If you were at the May 1990 meeting, you saw Frank Van Alstine demonstrate some nifty utilities. The ones that probably made the biggest impression on you are on this disk. These are the most frivolous items that he demonstrated, but also the most fun.

Oscar — Remember Oscar, the Grouch coming out of the trash can? That was the first one that I put on my computer to provide instant entertainment (along with the Micky Mouse clock, of course) for my three-year old daughter when she is watching me work. When you empty the trash, Oscar comes up with the lid on his head and then

goes back down. That's all, but it doesn't take up much memory...

Gravitation, Ltd. 4.0 — This is the one that simulates solar systems after you program in the number, size, and position of the planets that you want. It comes with quite a few pre-programmed solar systems that are fun (and educational!) to watch.

IFortune — Fortune puts spontaneity, wit, and wisdom into your computer. You're no longer alone. When you Start Up, you will see a random phrase that will inspire you for the day. There are A LOT of them, so you will be entertained for years. There may even be some quotable quotes in there for your public speaking engagements, or just for party conversation. Become a wit...

Water — And finally, Water is the educational, fun utility that simulates the reproduction and feeding of various fish after you program in the rates of reproduction and the rates of feeding. See how fish populations increase when you add more of their "food" until, of course, there are too many of them and then some can't eat. Change the parameters to create the utopian world in your computer. Enjoy having full control over a small universe.

Mac eDOM #814 - Utilities 6 - 800K - July 1990

Copyright 1990 mini'app'les

These are more of the utilities that Frank Van Alstine demonstrated at the May 1990 meeting.

- Color Cursor** — 3K — Startup document
- ColorFinder** — 68K — Startup document
- Disinfectant** — 149K — application
- FKEY Mover V 1.2a** — 50K — application
- Icon Colorizer** — 89K — Startup document
- Layout 1.9** — 41K — application
- MacEnvy** — 36K — Control Panel doc
- MaxAppleZoom** — 22K — Control Panel doc
- MaxAppleZoom Doc** — 30K — MacWrite document
- SCSI Tools** — 23K — Control Panel doc
- SFSscroll Init** — 2K — Startup document
- StuffIt 1.5.1** — 115K — application
- Test Pattern Generator** — 100K — application
- TPatGen 1.06 Help** — 16K — est Pattern Gen (Pause) — 2K — Startup document

Mac eDOM #815 - Utilities 7

December 1990

At this time, our plan is that the club will exchange this disk for a small fee as upgrades become available. The disk contains the following utilities:

- Compactor**
- Disinfectant**
- UnStuffIt Deluxe**

Mac eDOM #816 - Utilities 8

March 1991

Copyright © 1991 mini'app'les

Some of these files are repeats and updates from eDOM 815. Those files have been upgraded and much more data included, squeezing two discs worth into one and including additional good things.

Compact Pro 1.3 (and SitToCpt) — The fastest and most complete file compaction program. SitToCpt converts old Stuffit files to Compactor files and saves more space yet.

Disinfectant 2.4 — The latest version of this great anti-virus program.

Read its help file under the Apple menu and learn everything you ever wanted (or didn't want) to know about virus.

Mac eDOM Catalog (Word and McWrite versions) — Now you can figure out which wonderful mini'app'les eDOM you want all by yourself in the privacy of your own home.

Edit II — This is the text editing program this file is written with. It is much like Teach Text, but allows various size and style of fonts, and find and search functions.

Desk Pattern — This is a marvelous desk accessory you must install with Font-DA mover. Its library scrapbook file goes in your system folder. It allows you to use or design much more complex and attractive desk top patterns than Apples control panel does. The built in directions are all you need.

MFMMenu — This INIT goes in your system folder and is useful if, and only if you use multiple programs under Multifinder. It provides a pop up menu of all the programs you have open under Multifinder located at the top right corner of the menu bar - to the right of the small Icons. Click there and a pop up list of the open programs will appear, allowing to you to go directly to the program you want. It essentially duplicates the listing that normally appears at the bottom of the Apple menu after the DAs, but without the clutter.

Classified Ads*

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Stat Camera

Agfa-Devaert Mark III stat camera: \$2,000. Bought new in 1984 and has received tender care by the original owner. Excellent starter camera for the self-employed or small studio. Additional equipment and supplies are also for sale at reduced prices:

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Ask for Lynn at 588-8572.

Mac SE/30

5megs RAM, 40meg HD, tilt/swivel stand, internal 2400 bps modem: \$2650. Call Curt at 490-0629 or 481-7891.

Color Printer

Tektronix ColorQuick inkjet printer with software and cable; 280dpi with ATM; works with Mac or PC. Make generous offer. Asking \$1,500 (\$2,495 new). Maridee or Joe at 944-7610

Macintosh software:

- Adobe Illustrator
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- Aldus Persuasion
- OmniPage
- Generic CADD
- Microsoft Excell
- Personal Press

Call Steve at 457-5008.

WANTED

Xante AccelaWriter

I am looking for others to join a group purchase of Xante AccelaWriter boards for LaserWriter printers. Depending upon configuration, these boards will accelerate printing, increase resolution to 300 x 600 or 300 x 1200 dpi, add a SCSI and/or Centronics port, and make your life better. If you're seeing messages like "File is OK but will not print," if you're upset with the time it takes to print complex files, or if you're in a multi-user environment and need to move the queue along, this upgrade may be more useful to you than a new printer. Linda Bryan, 777-7037 after 4:00 pm.

Camping Gear

I need: A tent to sleep 6 people or more, camping stove, white gas or propane, cots, sleeping bags.

Ask for Rand Sibet at 560-8103 days or evenings.

Filemaker Expert

Illustrator/designer needs capable Filemaker Pro user to create invoices, P.O.'s and other forms for her business. Call Lynn at 588-8572.

NOTICES

* You can leave your ad by calling Dave at 432-0913 or our BBS at 892-3317. (Our Voice Mail phone number is temporarily out of service.) You may also mail your ad to our Post Office box.

Our staff reserves the right to make changes for completeness, clarity, appropriateness and length.

THANKS

"Thank You" to the following for contributing content and advertising to the May issue of our newsletter:

Andy Baird
Linda Bryan
Randy Dop
Tom Edwards
Maridee Ennis
Peter Fleck
Steve George
Chris Gibson
Emmiline Grangerford
James Horswill
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Tom Ostertag
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Your contributions of content and advertising are directly responsible for the success of our Mini'app'les Newsletter.

"Thank You" to the following Bulletin Boards for information used in this newsletter:

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8 data 1 stop 0 parity
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Software Clearance Sale

Apple Programs

Sensible Grammar	Was \$99/Now \$79
Sensible Speller	Was \$125/Now \$99
Grammatik IV	Was \$99/Now \$79

Many More - Call for Titles

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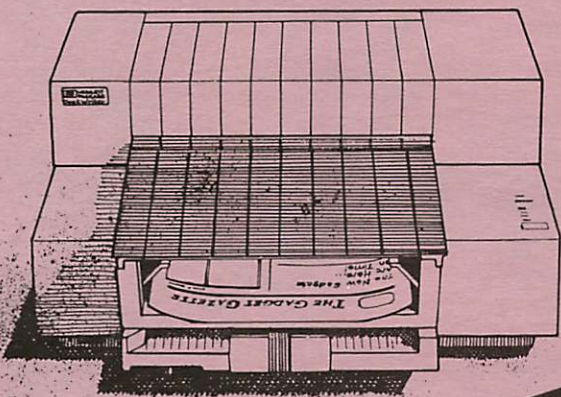
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Plug and Play!



All work and no play makes for very dull documents. Here's the easiest way to put more zap in your life:

The DeskWriter printer from HP.

It has 35 available fonts. It produces crisp, clear characters in water resistant ink. It's fast. It prints at speeds comparable to laser-printers. It retails for under \$1,000.

And, it's ready to go the instant you plug it in.

See why it pays to have fun. Get down to business with the DeskWriter printer from HP.

Murray Junior High School
2200 Buford, St. Paul

Meeting Place For:
Apple II DTP, AppleWorks® SIG

TCCN

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Parameters: 7 data bits, 1 stop bit, Even parity 300/1200/2400

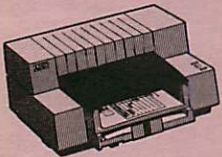
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Now there's a complete family of affordable, high-quality Hewlett-Packard printers and scanners that can improve the look of your Macintosh output.



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