

Apple Computer user group newsletter

Volume XI No.12 December 1988

Calendar of Meetings and Events

WHO	WHEN	WHERE	WHAT
Mac Users	Thur. Dec. 1 (6:30) 7:00 pm	Hennepin County Library, Southdale Branch, 70th & Xerxes, Edina, MN	Springboard Publisher™—Tom Kuder Notes 14 & 4
Board Meeting	Wed. Dec. 8 7:00 pm	Brookdale Hennepin Area Library 6125 Shingle Creek Pkwy., Brooklyn Ctr.	Members welcome, Note 1.
Mac Computer Art & Design Group	Dec. Recess	Note 7 or call 870-3268 for most current meeting info (recording).	
Microsoft® Works™ S.I.G.	Wed. Dec. 13 7:00 pm	Edina Library—50th and Hsy 100	Note 13
The Smalltalk Group	Wed. Dec. 14 7:00 pm	250 S. Milton St. St. Paul, MN	Programming in Smalltalk Note 10
Apple/Mac Users	Sat. Dec 17 10:00 am - 2:00 pm	St. Louis Park Sr. High School	Swap Meet, Note 11
Fourth Dimension™ Group	Mon. Dec. 19 7:00pm	Hennepin County Library, Southdale Branch, 70th & Xerxes, Edina, MN	Note 2 Small Meeting Room, 2nd Floor
HyperCard™ Group	Mon. Dec. 19 7:00 pm	Hagen Office Equipment 801 W. 77-1/2 St., Richfield, MN	Note 4
Beginning Macintosh™ Programmer	Tues. Dec. 20 7:00 pm.	Hennepin County Library, Southdale Branch, 70th & Xerxes, Edina, MN	Note 15 Small Conf. Room, 2nd Floor
MacCAD/E User Group	Tues. Dec. 20 7:00 pm.	Heath/Zenith Computers Shady Oak Road, Hopkins, MN	Note 8
AppleWorks© S.I.G.	Thur. Dec. 22 7:00 pm	Murray Junior High School 2200 Buford, St. Paul, MN	Database—Basic to Advanced Note 1
Mac Novice User Group	Dec. Recess	Note 9	
Northwest Branch	Tues. Dec. 27 7:00 pm.	Rockford Road Library 6401 42nd Av. N., Crystal, MN	Note 6
Apple IIGS S.I.G.	Wed. Dec. 28 7:30 pm	1st Minnesota Bank 31-9th Ave. S., Hopkins, MN	Note 12
Mac Desktop Publishing SIG.	Wed. Dec. 28 7:00 pm	First Tech Computer 2640 Hennepin Ave., Minneapolis, MN	Note 3
Mac Users	Thur. Jan. 5	Hennepin County Library, Southdale	Notes 14
Mac Computer Art & Design	Jan. Recess	Resume Feb. 13	Note 7
Microsoft® Works™ S.I.G.	Tues. Jan. 10	Edina Library—50th and Hwy 100	Note 13
The Smalltalk Group	Wed. Jan. 11	250 S. Milton, St. Paul	Note 10
Board Meeting	Thur. Jan. 12	Brookdale Hennepin Area Library	Members welcome, Note 1
Fourth Dimension™ Group	Mon. Jan. 16	Hennepin County Library, Southdale	Note 2
HyperCard™ Group	Mon. Jan. 16	Hagen Office Equipment	Note 4
MacCAD/E User Group	Tues. Jan. 17	Heath/Zenith Computers, Hopkins	Note 8
Beg. Macintosh Programmer	Tues. Jan. 17	Hennepin County Library, Southdale	Note 15
Apple II Users	Mon. Jan. 18	St. Louis Park Sr. High School	Note 9
Mac Novice User Group	Mon. Jan. 23	Highland Branch Library, St. Paul	Note 9
Apple IIGS S.I.G.	Jan. Recess		Note 12
Mac Desktop Publishing SIG	Wed. Jan. 25	1st Tech Computer, 2640 Hennepin Ave.	Note 3
AppleWorks© S.I.G.	Thur. Jan. 26	Murray Jr High, 2200 Buford, St Paul	InvestWorks? TimeOut Paint?
Northwest Branch	Tues. Jan. 31	Rockford Road Library, Crystal	Note 6

Notes:

- | | | |
|-----------------------------------|----------------------------------|---------------------------------|
| 1. Dick Marchiafava572-9305 | 6. Jere Kauffman535-6745 | 11. Tom Ostertag488-9979 |
| 2. Ian Abel824-8602 | 7. Joy Kopp440-5436 | 12. Dick Peterson473-5846 |
| 3. Charles Bjorgen633-8850 | 8. Bill Langer937-9240 | 13. Ed Spitler432-0103 |
| 4. Mike Carlson866-3441 | 9. Tom Lufkin698-6523 | 14. David Stovall474-8015 |
| 5. Wesley Johnson636-1826 | 10. Martin McClure227-9348 | 15. Ian Able824-8602 |

Coordinators - Please Call John Hansen (890-3769) by the 1st Friday in order to have your meeting listed correctly!

Board Members:
Officers

President	<i>Dick Marchiafava</i>	572-9305
	7099 N. E. Hickory Drive Fridley, MN 55432	
Past-President	<i>Ann Bell</i>	544-4505
	8325 39th Avenue N., New Hope, MN 55427	
Vice-President	<i>William Langer</i>	937-9240
	14160 Green View Court Eden Prairie, MN 55344	
Secretary	<i>Ed Spittler</i>	432-0103
	P.O. Box 24476 Apple Valley, MN 55124	
Treasurer	<i>J. Edward Wheeler</i>	881-5928
	P.O. Box 796 Hopkins, MN 55343	

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Software	Tom Gates	789-1713
Technical	John Hook	435-6281
SIG: Macs	David Stovall	474-8015
SIG: Apples	Tom Ostertag	488-9979
Membership	Anne S. Charity	935-4845

Coordinators

Beginners' Consultant	Earl Benser	884-2148
Shows & Conventions	<i>(Your Name Here?)</i>	
Northwest Branch	Jere Kauffman	535-6745

🍏 Apple II Users	Tom Ostertag	488-9979
🍏 Apple IIGS	Dick Peterson	473-5846
🍏 AppleWorks	Dick Marchiafava	572-9305
🍏 Beginner's Basic	Tom Alexander	698-8633
🍏 Languages/Tech	Wesley Johnson	636-1826
🍏 Tech. Adviser (hdwre)	Roger Flint	771-2868

📁 Mac Users	David Stovall	474-8015
	Mike Carlson	866-3441
📁 Excel	M. Nightingale	545-9380
📁 Beginning Prog.	Tom Vind	473-0455
📁 HyperCard	Mike Carlson	866-3441
📁 CAD & Engineering	Bill Langer	937-9240
📁 4th Dimension Prog	Ian Able	824-8602
📁 Novice	Tom Lufkin	698-6523
📁 Smalltalk	Martin McClure	227-9348
📁 DeskTop Publishing	Charles Bjorgen	633-8850
📁 MicroSoft Works	Ed Spittler	432-0103

Software Director's Staff

Apple // DOM Editor	Tom Gates	789-1713
MaceDOM Editor/Prod	Joe Carroll	938-4028
CP/M	<i>Open</i>	

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

- Genealogy	Jules Goldstein	690-4447
- Medical	Stewart Haight	644-1838
- CP/M	Jim Rosenow	(414) 261-2536

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

Membership – Send applications for membership directly to the Membership Coordinator: Anne S. Charity 935-4845
 PO Box 796
 Hopkins, MN, 55343

Current membership dues are \$20 for the first year and \$15 thereafter. All members receive a subscription to the newsletter and all club benefits. New members receive a special 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
	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

Send orders to Mini'app'les at PO Box 796, Hopkins, MN 55343, attention eDOM Sales or Mac eDOM Sales.

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 on Mac 3 1/2" disks, or via telecommunications, directly to the Newsletter Editor. Contributions on 5 1/4" disks should be sent to the club PO Box, and marked: "Newsletter Submission".

Deadline for publication is the 1st day of the month preceding the month in which the item might be included. An article will be printed when space permits if, in the opinion of the Newsletter Editor, it constitutes suitable material for publication.

Meeting Dates – Please phone calendar announcements to John Hansen 890-3769.

Mini'app'les Mini'Info Exch BBS – Club members may utilize the club's BBS: Telephone No. 831-6235

Advertising – Direct all advertising inquiries to the club's Advertising Coordinator: Bob Lowe 612-933-0464
 14717 Idylwood Road, Minnetonka, MN 55345









Newsletter Publication Staff

Director & Editor	Daniel B. Buchler	890-5051
	13516 Grand Avenue S. Burnsville, MN 55337	
Announcements	Kent Edwards	452-4956
Calendar	John Hansen	890-3769
Contributing Ed.	Steve George	935-5775
Contributing Ed.	Tom Edwards	927-6790
	Dave Brown	
Comp./Layout	Joan Kistner	

E-mail

AppleLink
 UG0012
CompuServe
 73537,463
GEnie: DBuchler

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Membership Application and Renewal Form 12/88

Name: _____

Address: _____

City: _____

State: _____

ZIP: _____

Home Phone: (_____) _____ - _____

Work Phone: (_____) _____ - _____

New Member () or Renewal ()

Spouse's name: _____

Children's names: _____
(if interested in computers) _____

Sponsored by: _____

I own or use a:

Mac+ () SE () MacII ()

Apple II/or II+or IIe () //GS() //c()

Other ()

Special Interests - Check all that apply.

Programming () Spreadsheets ()

Business () DT Publishing ()

Education () Novice ()

Send to: Membership Coord

Anne S. Charity

PO Box 796

Hopkins, MN 55343


Club Dues: \$15/yr + \$5 application fee.


Apple/MacUsers


Dec 17 - Swap Meet


St. Louis Park High School

The Fine Print

The Mini'app'les newsletter is an independent publication not affiliated or otherwise associated with or sponsored or sanctioned by Apple Computer, Inc. or any other computer manufacturer. The opinions, statements, positions, and views stated herein are those of the author(s) or publisher and are not intended to be the opinions, statements, positions or views of Apple Computer Inc., or any other Computer manufacturer. Apple®, the Apple® , 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.


System


Finder


HyperCard 1.2

HyperCard
1.2.1
is now
available!

✓ System Updates for Macintosh

✓ ProDOS and DOS 3.3 systems for Apple II/IIGS

December Apple Meeting is Combined with the Swap Meet

MacUsers
Dec 1
Southdale Library
Springboard
Publisher

Mini'app'les BBS — 831-6235 (New Software)

January Mini'app'les Newsletter goes to press Dec 12.
Please observe minimum one week leadtime.

Mini'app'les 1988 Membership Drive

The Club is looking for: New members
Cooperative Dealers and Schools
Renewals and Referrals

With your help and enthusiasm, we are embarking on a concentrated effort to build and strengthen member resources within Mini'app'les to GROW IN 1988!

Add YOUR helping hand!

Sponsoring Members:

Your name will be listed here, each time that you are listed as the sponsor of a new member. Here's the latest honored folks... Congrats!

Tom Mehle
HCI Ridgedale

New Members this month:

First—Last	Zip	Phone
Daniel Aritt	55101	612-224-9599
H. Maureen Beuning	56303	612-251-1243
Fred Bills	55373	612-479-1791
Kenneth Edd	55113	612-631-3679
Carla Finis	55407	612-724-1682
Patti Fitzpatrick	55356	612-473-7050
Robert Gotcher	55417	612-721-6744
Susan Hogin	55124	612-432-1857
Arvid Jedlicka	55372	612-447-8475
Rick Jones	56379	612-253-8933
Marc Morehead	55429	612-535-8654
David Thofern	54023	715-749-3407

Cooperating Schools:

Anoka Technical Institute
1355 West Main
Anoka, MN 55303

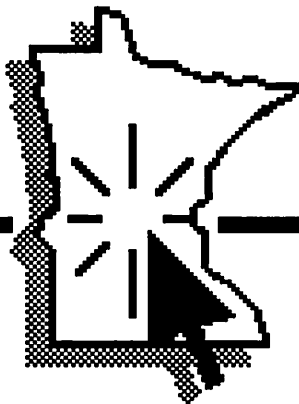
Bloomington Comm. Ed. Service
8900 Portland Ave.
Bloomington, MN 55420

Brooklyn Park VoTech
900 Brooklyn Boulevard
Brooklyn Park, MN 55445

Dakota County Technical Institute
145th Street East
Rosemont, MN 55068

Hennepin Technical Institute
South Campus
9200 Flying Cloud Rd.
Eden Prairie, MN 55344

Kennedy High School
9201 Nicollet Ave. So.
Bloomington, MN 55420



**A Challenging Goal:
To have 1,988 members
by Dec. 31, 1988**

Cooperating Businesses:

Businessland
7400 France Avenue
Edina, MN 55435 893-1343

Computer Applications
7101 France Avenue
Edina, MN 55435 920-1154

Computer Pavilion
Pavillon Place - 1655 West County Rd B2
Roseville, MN 55113 631-2766

Computerland-Hopkins
11319 Highway 7
Hopkins, MN 55343 933-8822

Computerland
2471 Fairview Avenue North
Roseville, MN 55113 636-2366

Computerland
7025 France Avenue
Edina, MN 55435 920-6100

First Tech
2640 Hennepin Ave. South
Minneapolis, MN 55408 377-9300

Hagen Office Equipment
801 West 77-1/2 Street
Richfield, MN 55423 866-3441

Heath-Zenith - Hopkins
101 Shady Oak Road
Hopkins, MN 55343 938-6371

Hutch Computer Industries (H.C.I.)
8017 Glen Lane
Eden Prairie, MN 55344 944-1356

IND Corp
1620 County Road C
Roseville, MN 55113

Moore Business Forms
3650 Hazelton Road
Edina, MN 55435 929-4334

Twin Cities Computer Network
75 South 5th Street — Suite M-100
Minneapolis, MN 55402 (modem) 349-6200

The GIZMODE Data Bank
3519 West 50th St.
Mpls, MN 55410 (modem) 929-6879

Announcements

AppleWorks SIG Announcements And Meeting Schedule

by Dick Marchiafava

The second AppleWorks meeting in the Computer Lab at Murray Jr. High went more smoothly than the first meeting at this site. Virtually all of the available desks were in use at this meeting. Next time we may need to put chairs in the aisles.

The persons at the meeting saw an extensive demonstration of new desktools and utilities in the Beagle Bros TimeOut series of AppleWorks enhancement software.

Location

AppleWorks SIG meetings are at Murray Jr. High School, 2200 Buford Avenue, St. Paul. Park on Grantham, the street on the west of the school complex. The meeting room is the computer lab at the center of the hall.

Murray Jr. Hi is centrally located a few blocks east of Highway 280, near Como Avenue. This is near the border of Minneapolis and St. Paul. See the map for directions.

Upcoming Meetings

January 26: New TimeOut Paint with SuperFonts & Graph. TO Paint is an enhancement for the SuperFonts and Graph programs. We will explore how Paint works with both.

February 23: Spreadsheet, Basic to Advanced

Corrections to the meeting calendar will be posted on the Mini'app'les Bulletin Board.

Meetings are held monthly at 7 PM on the 4th Thursday. Call 572-9305 if you need information about meetings. Dick

Report of Apple II User's Group "Help Session" Meeting Wed Oct 18th, 1988.

by Lloyd Nelson

Lee Reynolds opened the meeting, explaining the goal of the session—to provide HELP, for those attending, on software problems, hardware problems, or anything pertaining to computing.

Dick Marchiafava, Mini'app'les Club President, took time from his busy schedule to be present with his transported hardware and to field the Question and Answer session which normally precedes the meeting activities. The questions were linked to answers from the floor and the session was closed.

The extension of the Claris Upgrade of AppleWorks from version 2.0 to 2.1 was announced. You can still get the upgrade free for the asking (*if you meet the qualifications-Ed.*), and you can also upgrade from any previous version to version 2.1 for a reasonable fee. Those people wanting to remain current with AppleWorks capabilities and the available enhancements, to continue to have the full power of this program, are encouraged to get the upgrade from Claris.

Several AppleLink kits were distributed by Dave Stovall to Club members who wanted to get on board this new and interesting Communications Forum by Quantum Computer Services. The previous month, forms were distributed for sending for these free kits. Necessary requirements are an Apple computer, a super serial card and modem (or compatible modem) and a desire to explore an exciting new style of services to the public.

Three computer stations had been set up. "Thank you's" are extended to those who lugged their equipment from home to provide the hardware—An Apple IIGS and two Apple IIE's. Dick Peterson demonstrated the capabilities of the IIGS and fielded questions in this area. Dick Marchiafava gave a strip-down demonstration (his Apple IIE only!) to show the inner geography of a computer for those who wanted to know—slots empty and otherwise and what could be put into those slots to make up the Apple Computer's personality. Dick Marchiafava, our President, is well known within the Club and probably elsewhere for his expertise with AppleWorks and Expansion/Memory hardware and software. For Help in AppleWorks, Dick provides leadership for the AppleWorks SIG and through

GOTO 9

Current Apple System software available through Mini'app'les:

Software	Ver	Date	Format
<u>II, II+, //c, //e</u>			
DOS 3.3 Master	n/a	09/10/85	5.25"
ProDOS 8	1.6	06/13/88	5.25"
<u>Apple IIGS</u>			
GS/OS Syst. Disk	4.0	08/18/88	3.5"
GS/OS Syst. Tools	4.0	08/18/88	3.5"
Syst. Disk *	3.2	06/14/88	3.5"
ProDOS 8	1.6	06/13/88	3.5"
<u>Macintosh</u>			
System Tools	6.0	05/01/88	3.5"
Print Tools	6.0	05/01/88	3.5"
Utilities 1	6.0	05/01/88	3.5"
Utilities 2	6.0	05/01/88	3.5"
HyperCard	1.2	04/25/88	3.5"
H. C. Update	1.2.1	05/25/88	3.5"

Apple System Software disk prices are as follows:

3.5" Systems disks \$3.00 each.

5.25" Systems disks \$1.00 each.

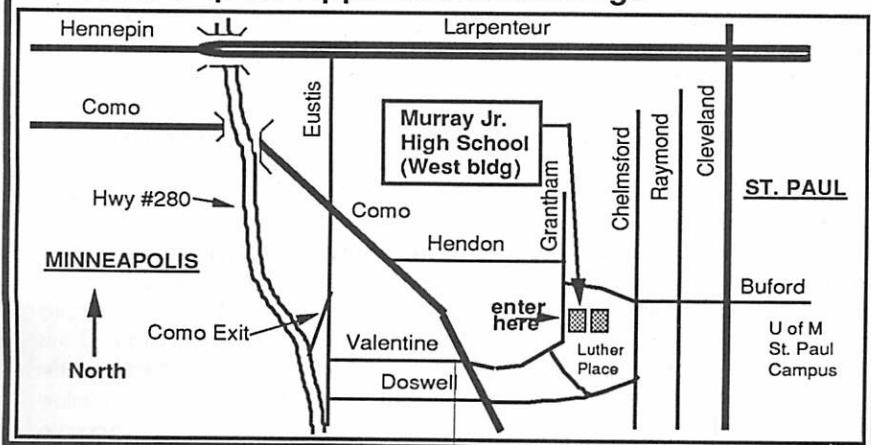
Notes:

- The Macintosh System Tools and Utilities disks are available only as a set of 4 disks.
- ProDOS requires 64K of memory on the Apple II and II+

* Apple IIGS System Disk 3.2 also contains:

ProDOS 16 (P16)	v1.6	06/13/88
ProDOS 16 (ProDOS)	v1.6	06/14/88
BASIC.SYSTEM	v1.2	12/14/87
System Utilities	v3.1	03/03/88

Location map for AppleWorks meetings



The AppleWorks Advisor

A Column For Users Of AppleWorks

by Dick Marchiava

AW 2.1 & AW GS Update

The free update offer from Claris for AppleWorks 2.0 to AW 2.1 has been extended to December 31, 1988. I strongly recommend users of AW 2.0 order this update. There is no telling if the offer will be extended a second time.

To get this free update, send an original AppleWorks Startup/Program disk to: Claris Corporation; Attn: AppleWorks Update; 440 Clyde Avenue; Mountain View CA 94043. The update will be sent to you on the same size disk you send in.

Other upgrade offers have been made by Claris. Upgrades to AppleWorks 2.1 from AppleWorks 1.x, Apple Writer, MultiScribe, and MultiScribe GS will be available at costs of \$75 to \$169. Upgrades for the Apple software products are at the \$75 (plus shipping) figure. The list price of AppleWorks 2.1 is \$249.

Upgrades to AppleWorks GS are also available. The programs which qualify for this trade-up are AW 1.x, AW 2.x, Apple Writer, MultiScribe and MultiScribe GS. Upgrade costs are between \$99 (for AW 2) to \$169. The list price of AppleWorks GS is \$299, which is \$50 more than the figure which had been released by StyleWare and was frequently mentioned in the trade press.

Call the Claris customer service line at 1-800-544-8554 for details on how to get these upgrades. Upgrade order mailers will probably be required.

The AppleWorks expansion software utilities for AppleWorks 2.1 from Applied Engineering is available. Checkmate has not released their similar upgrade (version 5.2) yet. I was told to expect it in early December.

Beagle TimeOut Paint

TimeOut Paint is a module which has been added to TimeOut SuperFonts and Graph as a major enhancement to those programs. Upgrades for users who have those programs are available. However, these upgrades are not to be performed by Beagle Buddys. Here are the particulars from Beagle Bros.

"Paint is NOT a free upgrade that can be provided to a TimeOut SuperFonts or Graph owner by a Beagle Buddy. This is a \$20.00 (plus \$3.50 postage) enhancement that can ONLY be provided by Beagle Bros, Inc. (CA residents add 6.5% tax)."

"You can tell folks that if they purchased either SuperFonts or Graph on or after the

beginning of the Boston AppleFest (May 18, 1988) they should return both their labeled disk AND proof of purchase showing the date of purchase along with a note asking for a FREE upgrade."

The upgrade is free for those who purchased these programs after May 18, 1988. Any upgrade to involving Paint must be done by Beagle Bros. I do not know why they have established this policy.

Beagle Bros Blizzard

Those folks at Beagle Bros continue to release a storm of new TimeOut products, updates and improvements to the existing ones. These arrive so fast that I have difficulty keeping up with the changes. In the "shipping soon" category which I have seen, is TimeOut SpreadTools.

SpreadTools has 13 functions accessed from 2 windows (Analyzer calls up a 2nd window). The tools are of 2 types, added functions and spreadsheet analysis.

Added functions are Block Copy, CellLink, Data Converter, Rows \longleftrightarrow Columns, Formula to Value and Adjust Column Widths. The analysis operations are Scan for Errors, Cell Cross Reference, Track References, Show Cell Values and Bird's Eye View. The latter is a screen representation showing how the cells in a spreadsheet are utilized. Symbols show the locations of labels, repeated labels, values and formulas.

A small story is needed here. A little girl, in the 4th grade, turned in her first book report. It consisted of this single line: "This book tells me more than I ever wanted to know about penguins!" Well, the SpreadTools analysis options can probably tell you more than you ever wanted to know about your spreadsheets.

Spreadsheets are very data dense. A 1 or 2 page spreadsheet will have far more information embedded in it than meets the eye. One 2 page spreadsheet template which I use has a file size of 15K when it is filled in. Compare that to a 5 to 6K size for a 2 page word processor file.

The various analysis options can produce reports that continue for pages. If all possible reports were printed, they could easily run 20 pages or more for a modest sized spreadsheet.

The reports are comprehensive and will help the user spot errors and omissions quickly. It can be tedious when they report formula locations which "References a cell without a value" or "References a range with

no values." These are not necessarily error conditions.

To have spreadsheet templates which do not have huge blocks with zeros where values are to be entered, templates are often designed with value locations defined, but empty. This type of layout is less confusing visually when working with it or looking at printed reports. Figures buried in fields of massed zeros are easily missed. It is bad enough to have all formula locations report a zero when there is no entry, without having all possible value locations show a zero for a no entry condition too.

The "References with no values" are valid statements, but do not always reflect errors in spreadsheet layout. All things considered, the analysis options are valuable tools for spreadsheet users.

Of the other tools included, Block Copy is most welcome. It provides the AppleWorks spreadsheet with a copy operation that was missing and was the one I used most before using AppleWorks. It will ease copying within or between spreadsheets and make creating new spreadsheets faster and easier.

TimeOut Improvements

There are improvements to the Installation utility, TO.Utilities and Data Converter which were noted, but not understood until I read the descriptions for them in the new manual for SpreadTools.

Data Converter is a tool which makes data transfers from DB to SS or vice versa without creating ASCII or DIF files and outputting files to disk. The data conversion is done on the Clipboard and is transparent to the user.

The most recent version of Data Converter has the added option of converting word processor lines for transfer to a spreadsheet. Again, the conversion is transparent to the user and very fast. It is now possible to transfer data from anywhere to anywhere in AppleWorks by using AppleWorks functions or Data Converter. Well, almost, but not quite. I yearn for a way of capturing AppleWorks menu screens to the Clipboard for inclusion in documents.

More Than 30 TO Tools

I have many TimeOut applications and utilities on my working AppleWorks for my own use and to demonstrate to clients. I was wondering what was going to happen as the count of items in the TimeOut window

GOTO 9



Beginners' Corner

By Tom Alexander

APPLESOFT BASIC - ARRAYS (2)

The last time I talked about arrays we looked at the one dimensional array. This time our focus will be directed at the TWO DIMENSIONAL ARRAY. Again, some prefer to call this the DOUBLE SUBSCRIPTED ARRAY because there are two subscripts associated with this type of array variable. This variable is expressed as: $BS(X,Y)$, where the subscripts, X and Y, are numerical values. This type of variable can be numeric, $C(X,Y)$, or alpha-numeric, $CS(X,Y)$.

It took me a long time to understand the Two Dimensional Array. I think what had me stumped was the fact that this imposing variable, $S1S(X,Y)$, represented one item, be it a number or letters, just the same as a regular variable, BS, did. The subscripts just further classified this particular variable. I could kind of understand the concept but it wasn't until I put the concept to a practical problem that I could say, "Now it makes sense."

What practical, real-life situation could be used? I imagined myself as the desk clerk at a

small hotel filling out the registration form for a new guest. At the end of each day the bookkeeper, Fast Eddie, would pick up all the registration forms and take them back to his Apple IIe to record the information.

Mine was a small hotel. Three floors with three rooms on each floor. The registration form asked the following: Floor Number, Room Number and Amount.

If the guest stayed in Room 202, it meant he was staying in the second room on the second floor. Therefore, Floor Number = 2, Room Number = 2 and the room charge was \$12.50. (We didn't have heat, air conditioning or running water. You had to bring your own pillows and sheets.)

Now it began to make sense: The second room on the second floor took in \$12.50. In other words, $B(2,2) = 12.50$. If the computer operator recorded all registration forms for a day, a program could be devised showing the daily income for each room on each floor, a sub-total for each floor and a grand total for the entire hotel. Fast Eddie said this was important because he wanted to raise the room charge to \$13 for the most popular room during conventions. "Soak the celebrants", became his motto.

In order to get meaningful information from the Double Subscripted Array you should have a pretty good understanding of NESTED LOOPS. Simply put, a nested loop is one loop inside of another loop. In the example above we would have to have one nested loop to print

the room totals for one day. You could write a routine like this:

```
690 REM * X = FLOOR # Y = ROOM #
700 FOR X = 1 TO 3
710 FOR Y = 1 TO 3
720 PRINT"ROOM NUMBER ";X;"0";Y;"
      $";B$(X,Y)
730 NEXT Y
740 NEXT X
```

Keen observers will note that the PRINT line, 720, will print the floor number, X, a zero, the room number, Y, a space and a dollar sign then the amount. Upscale hoteliers like ours know it is classier to show the room number as 202, for example, rather than 22.

In the above example I am using an alpha-numeric variable to represent the amount. This presumes all calculations were done first using numeric variables and then converted to alpha-numeric variables for formatting: $BS(X,Y) = STR$(B(X,Y))$. I'll cover formatting in an upcoming article.

The Two Dimensional Array is DIMENSIONED using the total number for each subscript. In the example above it would be: DIM $BS(3,3)$. Remember, you must dimension the numeric variable as well: DIM $B(3,3)$.

I'll let you figure out the THREE DIMENSIONAL ARRAY. Imagine Fast Eddie having to keep track of Income and Expenses for each Month of the year. Here's an example of one Triple Subscripted Array variable: $C(2,10,5)$.



I'm the only rebel?

Dollars in the Apple Barrel
An opinion by Tom Edwards

Mother Apple. Never to be spoken against. Able to do no wrong. If you get a little snuffle and scratchy throat, then it's lemon in your sassafras tea, Vicks Vapo-rub on your chest and off to bed at 6:30 with the humidifier in your room set to "hurricane."

Didn't anyone notice? Apple raised prices. Almost nothing escaped. And we're not talkin' pocket change here, buddy. Some of these raises are... well, "gouging" is a word that comes to mind, maybe "exorbitant", possibly "ghastly" and certainly "over priced." Just in case you missed it, check last month's newsletter. Dan published the new price schedule. We should all be writing to Apple.

I said "ouch"...
and a few other expletives. Did you?

There have been instances before, where Apple's pricing policies have raised the cry of "foul" from even the loyal Apple community. I recall some fiery letters about upgrade paths for early Mac owners, those that braved the turbulent waters and took the plunge to haul the Mac through times that would have rightly sunk less innovative computers. And you often expect to pay more for "the real thing" even though you can buy a work-alike clone for less, that may offer more.

What made Apple? Certainly the support of Adventurous, who saw something different and revolutionary in the early machines, has to be credited with a big part. It sure-the-heck wasn't the business community that took the chance and bought into the dream!

Me thinks that the barrel of Apples looks great. But now if you want one from the pile, you will hear from Apple that the cost of RAM (Raw Apple Material?) is such that you must fork over a princely ransom to have a byte. Forget that Apple's trend setting low price... when you couldn't get the darn things... seemed to say "Hang in there, Buddy. We'll help you when we can get them." Now that

others ARE saying that you can get them, Apple says "Gotchya!"

There's more here than meets the eye. Mother Apple has gone "corporate" on us. Instead of snorting the white line, she has sniffed green and it has sent visions of dollar signs to her head. There are new CPU's on the horizon, and what better way to make them look attractive than to price them right in the midst of current price ranges. But the current price of many of these great computers is less than what the corporate community is willing to pay for a desktop computer, and... sniff, sniff, there's money to be made here! Ah, ha! Raise the price NOW of the current computer line, then when all comes to pass, the new will be priced in tune with the "market" that is being romanced by Mother Apple.

In the grand scheme, it matters not that Adventurous gets trampled and bumped aside. And 'tis the season, too...

More bytes later (if I can afford them)...
TWE



Two Ie Favorites for Kids

Dazzle Draw and FrEdWriter
by Linda Bryan

The Bryan family has two parents and pair of girls aged 5 and 8. We have an enhanced Apple IIe with two monitors (a cheap color monitor and an Apple green screen), two drives, a mouse, and a joystick. The mouse was a real splurge, but it's served us well.

As I look over the pile of kid software, I come back to two standards, neither of which was expressly designed for young users: Dazzle Draw and FrEdWriter. Between the two, one a drawing program and one a word processor, my kids have logged more productive time than on any other software we own.

Dazzle Draw is a Broderbund program my family has found really useful. It is very much like a simplified Macintosh painting program for somewhere under \$50.00. If you are a Mac or IIGS user, Dazzle Draw might seem bush league; our color Iie system is its rightful niche. Dazzle Draw brings brilliant colors to our color monitor. The forms those colors take are limited only by the user's imagination. (My girls sometimes ding around with the monitor's settings, just to produce more and wicker color schemes.)

We used to use the joystick with Dazzle Draw, but this was frustrating. The mouse has given us a lot more control over our drawings. It's interesting to watch a kid learn to control a joystick and a mouse. There are coordination problems until the kids learn how to create predictable results. Then, like knowing how to use a bicycle, it becomes second nature.

The program has commands to produce "rubber-band" elastic boxes and circles. Once made, these cannot be moved, although they can be cut and pasted or deleted. There is a tool for making free-form shapes also. The boxes/circles/freeforms can be filled with a multitude of patterns and can be edged in various line widths. Patterns are built into the program, but my kids love the "modify patterns" command that allows them to create their own combinations. The number of patterns my kids' minds create defy my math calculation, and my sense of decorum.

A kindergartner, my little Rebecca loves designing with the "mirrors" function. The program allows a user to draw with the free-form "brushes" of various widths and tips. A brush's path fills with whatever color or patterns the user has selected. Rebecca selects

bizarre patterns, but uses the mirror option to create symmetrical designs. She then laboriously fills each open area with the "flood fill" command, compounding pattern upon pattern. She has saved disks full of drawings labeled "design" or something similar. Using the program's "slide show" feature, she presents them all to me. She sees something special in each colored web; her daddy and mother just nod in good humored amazement at the methodical experimentation these represent.

My second grader, Anna Laura, draws on screen much like she draws on paper. Often, she produces people wearing lunatic grins of happiness. Other times, she designs buildings, or tries to reproduce houses she knows. While she draws, she tells stories about the people and pets who live in the drawings. One day, she made a background for a shoebox diorama, then printed it and hand-colored it before installing it in the box.

Recently, Anna Laura discovered the user graphics page of *A+ Magazine*. It has given her a whole new orientation toward the program, as she tries to reproduce the prize-winning entries. We worked for an entire evening to make a parrot like one of the A+ ones, and it taught her a lot about technique.

When Aunt Carol comes to visit, Dazzle Draw goes professional. Aunt Carol, an artist, pushes the program toward its limits. The computer allows the user to erase and to be playful so easily. Carol plays with the spray paint feature which allows her to shade colors carefully. She experiments with subtleties of color, the copy and cut-and-paste features to produce echoing motifs. The girls love to sit in her lap and watch as this master artist works.

Dazzle Draw can format a disk from within the program. It can save on a ProDos-initialized disk or on a specially-formulated slide show disk, which will later run itself, presenting pictures to the viewer at pre-determined rates and presentation patterns.

Text options allow "serif" (roman) or "modern" (san serif) type in bold, italic, or plain, in two point sizes each. This allows the girls to label their drawings, but they rarely use it much. To them, writing is the province of the word processor FrEd.

Some time ago, I reviewed FrEdWriter in this magazine. Since then, I've used it with many high school students, and with my two little girls. I also use it myself. FrEd has the great virtue of having enough save space on the disk to allow a kid to save without needing a second disk. For a child, that's logical and expedient; for a classroom of kids, that's cheap and efficient. Each of my girls has a couple copies of FrEd. (When she's stuck for disk space using Dazzle Draw, she might even

save a drawing on her FrEd disk, too.)

FrEd was designed for kids. My girls select its 40-column mode for screen presentation, instead of the 80-column. The mnemonic nature of the commands is logical to kids—"Control-S" is *save*, "Control-L" is *load*. (These sound like AppleWriter commands, because Paul Lutus wrote both programs.)

The program beeps a warning when a writer might accidentally reload a file. If you have worked with a lab full of students, three or four of whom have repeatedly loaded the same composition, you have learned about the excesses of computer memory and will appreciate the warning FrEd presents to compulsive double-loaders. Using other programs, I've seen teenagers spend ridiculous amounts of time deleting redundant paragraphs from a saved text. Discouraged, they grumble about stupid computers while they undo the mess. My FrEd users have few of these troubles.

FrEd has a limited capacity to move text efficiently using arrow keys but a much larger capability if you use embedded "delimiters" to mark the chosen material and destination. My kids rarely need block moves larger than the arrow key allows. In fact, my children use the delete key and just retype most of the time. They aren't big-time editors yet. Occasionally they cruise around in their texts and make additions or spelling corrections.

Most of the time, Rebecca just types in a line or a half a line, then saves it and quits. She has a limited capacity to sit and write, but then, at age 5, she's remarkable for being able to write at all. Her compositions grow very slowly. There are about ten of them on her disk now, humbly typed in and saved, a line or so at a time. They tell of family camping trips, favorite story characters, and her cat. She likes to load them, read them aloud, and then turn the machine off. Or she prints out a copy and mails it to someone.

Her second-grade sister is more likely to write on the computer if she has a school assignment. She once wrote a tribute to the whale "Big Mouth" and brought it to school to read to her class. That paragraph took a lot of work, but she doggedly reworded it until it said exactly what she wanted to say.

Rebecca usually writes in all caps, but Anna Laura has become a purist and prides herself on proper punctuation and capitals now. Both girls find that familiarity with the keyboard breeds confidence. If they have used FrEd recently, it's easy to locate keys again. If FrEd has been neglected for a while, getting back to the keyboard takes more resolve.

As for me, besides using FrEd for Grade 9 and Grade 12 classroom composition, I use it at home for efficient use with my Panasonic

printer. FrEd accepts embedded printer codes, so I can get italic and bold print from this program with much less hassle than I can from AppleWorks!

FrEd is available from the Mini'app'les club public domain library, in two forms on a double-sided disk: one with the user manual and one with "prompts" for writing lessons. Delete any of this extra material from your disk and you'll have lots of room for saving shorter compositions. For your novels and research papers, use a separate file disk, or make more FrEd copies. The program will initialize disks and copy itself, although not within the actual composition section of the program, so prepare your destination disk before you get started writing.



Announcements, concl'd from 5

his writings for the Newsletter. Our software director, Tom Gates, was on hand with the complete Mini'app'les library of public and personal domain software. Some of this was "test driven" and explained on the set up equipment.

Other longtime members of Mini'app'les were on hand to assist with answers. To name a few—past president Ann Bell and treasurer J. Edward Wheeler.

Attendance was light, as sometimes happens. Undaunted, the Apple II User group leadership plans to have further Help sessions for our new Mini'app'les members. The purpose of the club (according to the bylaws) is to promote the dissemination of information concerning the use of Apple Computers and related products, and to share the knowledge of members at large concerning their talents and information pertaining to computers in general. There have been heavy suggestions that this general Apple II meeting has outlived it's usefulness and that the needs of the members are served by the many SIG groups. You, the newcomer, and your interest will determine the future fate of this meeting. Come!—while there is still a place for you to get acquainted with other newcomers and those who are still willing to help.

Remembered: David Nordval by Tom Edwards for all of Mini'app'les

David Nordval passed away September, 1988. Dave was both a good friend and a solid Apple affectionado, a Mini'app'les membership for almost as long as the Club is old.

Dave contributed a great deal to Mini'app'les. His efforts were focused on the Apple II side, offering advice, problem solving, BASIC tutorials and assistance with the Club's library of Apple II software.

Dave also spread the word about computers and Apple in particular. He promoted expanded use in a manufacturing environment at his place of employment. This included excursions into programming of utility programs to accomplish machine setups even before the topics of CAD and CAM became "hot."

We will miss Dave and his contributions to the Club. More than that, he will be missed as a giving and sharing friend to many within and outside of the Club.

Dave Nordval is remembered... remembered with great affection.

A Request to Coordinators of Mini'app'les S.I.G.s, Branches, etc.

by John L. Hansen, Calendar
Preparer

The meeting dates I list in the newsletter Calendar of Meetings and Events are derived from three sources. Some groups meet on the same day of each month (Apple II S.I.G. - third Wednesday). Others have not been able to set a specific date, but provide me with a list of dates (Mac Users - because of scheduling problems with the Southdale Library). The

Group	Date
Apple II S.I.G.	Third Wednesday
Apple IIGS S.I.G.	Fourth Wednesday
Board Meeting	First or Second Thursday, depending on Mac Users meeting
Dakota Co. Branch	Tuesday of the week before the Apple II S.I.G. meeting
Excel™ User Group	Third Thursday
Languages/Technical S.I.G.	Second Wednesday
Mac Computer Art & Design	Second Monday
Mac Novice User Group	Fourth Monday
Mac Users	First or Second Thursday
MacCAD/E Users Group	Third Tuesday
Northwest Branch	Fourth Tuesday
The Smalltalk Group	Second Wednesday
U. of M. Mac User Group	Third Thursday

third bunch has not provided me with any information recently and I have deduced their meeting dates from past calendars. I assume the dates I list must be correct because I don't get any calls about them. The list I use for assigning dates is shown below(see chart).

If the meeting day shown is not correct, please call me and I will correct it. If you have any programs you want announced in the calendar, call me with the information. I will not call you—the two months that I tried calling required at least 20 phone calls each. It takes one call for each of you. If I can't answer, my answering machine records meeting dates and program information very well!!



AWA, continued from 6

approached 30 and a rash of new products were announced by Beagle Bros.

Not to worry! TO.Utilities has been modified to permit the use of multiple TimeOut windows. The TO.Utilities version 2.0 has an option at the bottom of the menu which reads "Add applications." This choice will prompt for a location from where TimeOut options will be installed in an additional window. One can toggle between TimeOut windows with the TAB key to change windows. See the following for more on how to use this option.

Loading TO Options Within AW

One often asked question I am hearing recently is "How do I load the QuickSpell dictionary when I am in AppleWorks?" Many persons do not have the luxury of huge memory boards to hold many desk accessories.

Although the actual program for QuickSpell, or Thesaurus for that matter, is not very large, the dictionary file is huge. For some users who do not want to dedicate a lot of memory to hold the dictionary file, I have configured TimeOut to have the program in memory and access the main dictionary on a disk drive.

The TO.Utilities options "Load to memory" and "Change memory status" can be used to bring TO tools into memory for fastest operation when using them. These options load applications and tools, but will not load the dictionary.

For users who want to spare the memory they have, but would like to have desk accessories available when needed, the "Load to memory" is a way to get them. This works until items in the TO window exceeds 30.

GOTO 10

AWA, concluded from 9
Use Another Window

TO.Utilities option "Add applications" can bring TimeOut applications, tools and other files essential to operation into memory. Here is how to create additional TimeOut windows with tools or applications installed, disk resident or memory resident:

Create a source disk for TO applications to be included in an added window (on floppy, hard or RAM disks). Copy the necessary files to this disk. Applications for multiple windows can be on the same disk by copying the files to separate sub-directories.

When it is desired to use the TimeOut applications that will be available in another TimeOut window, access TO.Utilities. This requires use of TimeOut Utilities version 2.0, which has 7 options on its menu. Select 7, "Add applications."

The next screen lists the locations from which applications can be added. Enter the proper source. TimeOut will create a new window and load the applications into it. Access TimeOut with ⌘-ESC . You will see the new TimeOut window. With version 2.0 TO.Utilities installed, the TAB key will toggle to or step to the main window, or other windows installed. Two or more windows may be used, for up to 60, 90 or more accessories.

The TO.Utilities file installed in the main menu configures and controls all the accessories in all windows. To configure accessories in other windows, access TO.Utilities in the main window. Select "Configure" and press the TAB to toggle to the window desired. All operations of TO.Utilities applicable to other windows are done in the same manner. This eliminates the need to have TO.Utilities installed in each window. If TO.Utilities is RAM based, remember to save that file back to the source it is loaded from to save any configurations created in added windows.

"Add applications" solves the problem of loading the dictionary for those with 3.5" or hard drives. There may also be a solution for 5.25" drives, but I have not figured it out yet.

The TimeOut installation program version 2.2 presently available allows the use of multiple "application disks", so the user with only 5.25" drives can load more than 1 disk full of accessories. A method to load QuickSpell and the dictionary to memory if they are not installed to load at boot-up, probably lies somewhere between the new Install and TO.Utilities "Add applications."

AppleWorks questions and tips from anyone are welcome. Send to: 7099 Hickory Drive N.E., Fridley, MN 55432. Include your address and phone number. Or call 612-572-9305, no collect calls. Dick



Excerpt from Windoid #7

A Publication for the Informed HyperCard User
and the Newsletter for the Apple HyperCard User Group
Editor — David Leffler

Editor's Corner

The purpose of the WINDOID newsletter is to provide a unique opportunity for WINDOID readers to contribute directly to the ongoing growth and excellence of Apple's HyperCard™. The HyperCard team has been very busy adding many of the new features you have asked for to HyperCard 1.2.1.

There is a form at the back of this article that allows you to communicate directly with the HyperCard Team. We want to know what you like, and don't like, about HyperCard and what features or suggestions you would like to see in future versions. I believe that you will be very pleased you took the time to make yourself heard.

Author Danny Goodman has a soon-to-be released book, "Danny Goodman's HyperCard Developer's Guide", that takes a three part, in-depth look at implementing and designing stacks from a user interface point of view. Danny also hinted about an upcoming update to his acclaimed Focal Point time/project management stack. For those of you who are interested in XCMD's and XFCN's, Gary Bond's book "XCMD's for HyperCard", published by MIS: Press, is required reading. No question, it's the best!

HyperCard User Tips

By Phil Wyman

1. In earlier WINDOIDS, I mentioned that you can get a bit-mapped miniature of your Card by copying the card, then doing a CMD-Shift-Paste. However, to do this automatically through HyperTalk, you should try:

```
DoMenu "Copy Card"
type "v" with commandKey,shiftKey
```

2. Here is a short example of the usefulness of the "do" command: If you have a variable x with a value of "field id 1", then you can say in your script,

```
get line 1 of x
```

What you would get in this instance is the words "field id 1", the text that was in the variable x. In order to get what you really wanted, namely the first line of field id 1, you must issue a "do" command like the following:

```
do "get line 1 of " & x
```

3. Be aware that when you create a new card, the openCard message gets sent before the newCard message.

4. Developer tip: Test your stacks at every userlevel. This is important since you will probably develop at userLevel 5, which will work fine until a user is in browse mode. A

typical example of this problem is if you have a DoMenu "Copy Card" in your script. This will cause an error at the lowest userLevels which do not have that menu choice. A workaround to this is to, on openstack, put the current userLevel into a variable, and then set userLevel to 5. Make sure you set it back to the previous userLevel when you leave your application.

5. If you try to go to card foo, and there is no card named foo, HyperCard will not make a fuss. However, you can find out that HyperCard has not found the card by checking "the result". "No such card" is "the result" if the card is not found.

```
go card foo
if the result is "no such card"
then answer "Card not found"
```

6. A returnKey handler intercepts the returnKey when it is hit in the message box, whether there's a message in the message box or not. So when you're using a returnKey handler, take into account that the user may well be sending a message through the message box. I found that I had to look to see if the msg was empty before I did my normal returnKey handler, since I didn't want the returnKey handler to execute if the user was sending another message. The same is true for an enterKey handler.

7. When you hit the grave character in HyperCard, you normally "go back" to the last card you were on. If you wanted a grave character, however, you can type Option-Grave-Spacebar in Geneva 12. For fun, try Shift-Option Grave in Geneva 12. (It gives you a little bunny rabbit in the field. With Geneva 14 you get a bird, with Geneva 18 you get a sheep, and with Geneva 20 you get a Macintosh computer.)

8. Here are some button ideas:

This first button idea is a working radio card button. The radio button checks to see if there are any more radio buttons on, since only one radio button should be on at a time. Put the following script in a button. Set the style to radio button and autoHighlighting to true in the button info dialog box. The script checks first to see if the button which was clicked on is highlighted. If it is highlighted, nothing happens, since a series of radio button should always have at least one button on. If the button is not highlighted, then this script hilites it and turns off all the rest of the buttons on the card. This script assumes that you only have one series of radio buttons on each card, and that all of them

are card buttons.

```

on mouseUp
  if not the highlight of me then
    repeat with x = 1 to the number of buttons
      if the style of button x is "radioButton"
then
    if the highlight of button x then
      set the highlight of button x to false
    end if
  end if
end repeat
set the highlight of me to true
end if
end mouseUp
  
```

The second button idea is a working check box. All the check box does is go on or off. I found it very difficult to figure out that to get a check box to go on or off, you had to click the autohighlight feature in the button info dialog.

9. If your HyperCard home card doesn't look just like it does in the manual, then you need Times 18 font in your system so that the words "HOME CARD" will appear in the proper font.

10. There is an easy way to append to a file in HyperTalk. Read until it is empty, then do your write command.

HyperCard Novice Corner 2

By Phil Wyman

One of the most powerful features of HyperCard is clicking a button which will go to a card. Even a novice can make such a button. This feature requires no programming, yet can allow you to create useful stacks. This feature can also be called "linking," but that word is way too scary for us novices. "Linking" brings thoughts of relational databases and high powered programmers. However, we can "link" a button to a card with very little effort in HyperCard.

Starting on the Home card click on the left arrow and click on Authoring. Click on the right arrow to go back Home.

Click and hold the mouse down on the word "Edit", which is in the menu bar above to your left. We are activating the Edit menu. Drag the mouse down within the menu until the words "New Card" are highlighted. Am I going too fast for you? Let up the mouse. We should have created a new card in your Home stack. We should now be on a blank white card.

We will now use another menu, "Objects". We learned to use menus in the preceding paragraph. So, click and hold on the word "Objects" in the menu bar at the top of the screen. Drag the mouse down to the words "New button" and release. A new button should now be in the middle of the card.

A couple of miraculous things have hap-

pened. One thing is that we are now in the Button tool instead of the Browse tool. We can confirm this by clicking on the "Tools" menu, and you will notice that the button in the middle of the first row is highlighted, not the image of the hand (the Browse tool). Let up the mouse. The other great thing that has happened is that there are dots moving all around the new button we just created! These are affectionately known as "marching ants." When these "marching ants" are around a button, it tells you that this button is the one we can work on. You can only work on one button at a time, so only one button will have the "marching ants" at any given time.

Now, click and hold on the word "Objects" in the menu bar again. Notice that the words "Button Info" have been darkened and are no longer gray. This means that "Button Info" is active, so let's drag the mouse down until the words "Button Info" are highlighted. Let up the mouse.

A dialog box appears on your screen, giving you information about your button. If you start typing, you can give your button a name. There is a button on the dialog box which says "LinkTo...". I want you to click on this button. A small window appears which says: "This Card"; "This Stack"; "Cancel". At this point in the "linking" process, we want to go to the card which we want the button to take us to when we click on it. If this is confusing, it should clear up in the next couple of steps.

From the "Go" menu, choose "Home". This will take us to the "Home" card. Click on "This Card" in the small window. You will be returned to the card with your "new button" on it. From the "Tools" menu in the menu bar, drag on to the image of the hand and let up the mouse. This will put you in the Browse tool, and the marching ants around your button should disappear. You have successfully linked this button with your Home card. Now, every time you click this button, you will go to your Home card! Try it.

This linking of a button to a card has many possibilities. For instance, the button we just named could be called "Home", and every time we click on it, we go to our Home card. In the same way, we could make a button called "giraffe", which goes to a card which has a picture and information of a giraffe. Linking with buttons creates a concept of "navigation", which allows users to quickly go where they want to in your stack.

Editor's Final Comments

We hope these articles from WINDOID have been interesting and informative. We care enough to take the time to give you the most up-to-date information about HyperCard, and we would like to request a little of

your time. Please use the form that follows this editorial to tell us what sort of stacks you are using and creating and what your joys and frustrations are in using HyperCard.

You have the unique opportunity to communicate directly with Bill, Dan, and the entire HyperCard development team. We want to know what you would like to see in HyperCard. We need your input to make this happen. Let us know what you think. We can address it in WINDOID or perhaps the next revision of HyperCard. You can make a difference in the world by communicating with us. Don't pass up the opportunity!

For more information about AHUG, please send a stamped, self-addressed-envelope to:

AHUG c/o Bryan K. Carter
 Apple Computer Co, Inc.
 MS/27-AHUG
 20525 Mariani Ave.
 Cupertino, CA 95014

If you would like additional copies of this WINDOID, or back issues, send a stamped-self-addressed-envelope for each one. We will be unable to send you anything without them. If you send us a very large manilla envelope for all of the issues, please affix enough postage for about fifty (50) pages.

If you want to know the best way to do something in HyperCard or to notify the HyperCard team of problems, bugs, suggestions, comments and enhancement requests, please use the following form:

Date:
 Name:
 Address:
 Phone #:
 Versions of:
 a. HyperCard:
 b. Associated software:
 c. System Software:
 1. System
 2. Finder
 3. ImageWriter file
 4. LaserWriter file
 5. Any others

Type of Macintosh:
 Peripherals:
 Description of problem, suggestions or comments:

Send the form to:
 AHUG c/o David Leffler
 Apple Computer, Inc.
 MS/27-AQ
 20525 Mariani Ave.
 Cupertino, CA 95014

Or copy the format and AppleLink™ it to: HYPERBUGS

If you have some information for us please fill this form out as completely as possible and send it to us. You will be glad you did!



Flyin' with WingZ

November Mac User Meeting
by Tom Edwards

Fibber McGee's closet. Remember that? Fibber would go over to the closet to pull just one little thing out... he kept thinking that he could do it without all of the stuff jammed in there falling down. But Molly knew better. She'd keep telling Fibber to "stand clear, don't touch it, leave it alone!" But ol' Fibber would always open the door and all hell would break loose! The pans would tumble out, the boots would crash down, the tools would hit the floor with a thud.

WingZ is like that. You think that you can just do one teensie, weensie thing, only to find out that you tapped Pandora's Box. If you came to the November Mac User meeting with the idea that you could absorb all of the WingZ demo, you must have gone home with the old eyeballs spinning at 7500 RPM trying to catch up. *Brian Wink*, Marketing Representative for **Informix Software Inc.** kept pulling more and more features out of the closet. More about that in a moment.

Gettin' into first gear...

Both Mac gurus, *David Stovall* and *Mike Carlson*, were on hand tonight to field the questions and keep things rolling on track. Dave introduced a passel of folks from the Club's board and various directors. As they passed around the introduction invitation, we found a lot of "first timers" and many diverse interests expressed by those checking out Mac Users:

- One recent immigrant from California finds himself looking for work. With a background in Mac, publishing and art, he should find something in this hot-bed of the printing industry real soon.
- MacMoney and circuit design. How's that for a combination of program interests from another Mac User?
- A UniSys employee teaches others how to use the Mac. (Talk about a cushy job...!)
- A Mac programmer. You didn't think that the Mac did all this stuff by its lonesome, did you?
- And a Mac II user from the Minnesota Department of Health. At last! A few tax dollars put to sensible use!

A screech of rubber as we hit second...

Got a problem? Find an answer. That's the purpose of the Q/A session. Here's a few of the things that got talked about tonight:

- What happens when you move a folder to another disk? The folder and all of its contents get copied to the new location. The original folder and its files still reside on the disk that it was copied from.
- Heard about the Jasmine BackPac hard disk with modem? So far, that's just talk without any hardware showing up. It's expected "real soon now" and is likely to sport several modem speeds. However, the suggestion is to pop for the 2400 baud variety... you'll soon appreciate it.
- Modems again... this time someone was interested in information about the Prentis PopCom. Folks seems to have lost track of this manufacturer. Anyone know about their current status?
- Users of FoxBase Mac report that the program might be subtitled "FoxFast Mac." It is a swift clone of the venerable dBase II program, and with its Mac SuperSuit on, moves along like a speeding bullet.
- A source for cheap DC 2000 tape cartridges? Beat the bushes of AxMan or other electronic close-out stores. No positive location could be identified tonight.
- Users of Works, version 1.1, are discovering that patches are needed to work with the new Mac systems. Some feel that Macro Maker is a particular conflict, while others say it cohabits just fine. As usual, tread gingerly and temper your need for switching to the latest systems with a fresh backup at the ready.

And the torque comes on with the pedal to the metal in third...

Brian let us know that Informix is a big company... I'd guess that \$126 million in annual sales will justify that claim. But somehow, that hasn't prevented them from becoming a victim of missed release dates, just like the rest of the software community. But if you are a "Power User", this could be THE program to wait for, if spreadsheets are your game.

Brian classifies WingZ as a "presentation spreadsheet" with so much in it that it had to be developed on the Mac instead of "that other machine" to show off its capabilities and do its thing. Well, that's nice hype for a Mac User meeting, but I don't think that I will faint away if one day it shows up on one of those other operating systems. Yet, pushing all of the hyperbole aside, there certainly is no doubt that this is SOME program.

Now don't ask me to give you a total run down on the whole thing. For that, slip into your flight suit, go to your local dealer and roll out the Kamakazi version (it will self destruct after a bunch of launches) and take it for a "Test Flight." You will soon see that a billion cells, mucho formatting options, buttons, scripts (now where have I heard of those before?) and a barrel of charting options gives you a bit of freedom to do it **your** way.

WingZ is a power programmer's tour d' force. Brian claimed that the program does not make use of the Mac tool box (bear with me here, folks... I'm not sure that even the programmers in the audience followed this too well). All that you see has been coded in, using... what else?... the WingZ programming language called "HyperScript"! Other than the hooks to the outside (printer, disk and the like), all of the boxes, menus, windows and whatnot required that someone write a line or two of code to do it. There seems to be some obscure benefits, like not having to worry about System revisions and compatibility down the line, and I guess that only time will tell if it was worth it. In the meantime, it looks like a duck, it sounds like a duck...

Presentations being a stated object of the program, you can do all sorts of visually oriented prettifying. And natch, you can push the results out to all types of printers, plotters, film recorders or whatever, as well as formats for importing into other programs.

WingZ has not been firmly priced, but indications are that \$495 is in favor. It is targeted to out-excel Excel in features, speed (35% improvement range) and to serve as a respectable database. The scripting language (for the application developer and VAR bunch) boasts 800 commands. Bug fixes are anticipated to be free, and rewrites \$25-\$75. There is a current promotion where you can get a fully functioning (!) Test Flite demo disk for a few bucks sent to Informix. For those of us with real deep pockets, check out a dealer for the same package... free.

We hit the traps and pop the chute for the runout...

The Mac User group is an active and growing SIG. I see a lot of familiar faces each month, but it's the new faces that make the group so interesting. The new questions, new experiences and fresh outlooks on the same

GOTO 14

DTP Melds Old and New

Mac DeskTop Publishing SIG, October Meeting
by Tom Edwards

Some things die hard. Or more appropriately, they continue to stay in use because they are straight forward, simple to use and effective. That was the theme of the DTP meeting for October: How to use some tried and true tools from the "traditional" publishing-prep trades and combine them with what you can do on the Mac and DTP programs.

Coordinator *Chuck Bjorgen* combined several things for this meeting. After leading off with Q/A and announcements, we had a triple production to hold our interest into the evening hours. *First Tech* host *John Hein* probably was thinking that we would never end the interesting discussions and hustle back on home.

Presentation PassPort

Steve Vetter has assembled a program for the presentation folks. This is a bit different, 'cause it's not a presentation program. He demo'ed this HyperCard application which is specifically designed to track all of the frames that you assemble for your presentations. As all of this begins to add up, you soon have a storehouse of old material to combine in new ways, making the assembly of a new presentation an easy matter of building from the foundation that has been done before. Add a few new pieces, slip in the latest figures, and you are ready to wow them all with a minimum of redundant effort.

Steve has HyperCard working hard for you on this. He says that he has found ways to do things that "couldn't be done" in HyperCard, and done them without XFCN's or XCMD's.

It looks like a useful program for those with a lot of presentations to keep track of. The program is available from **Computer Solutions, Inc.** of New Brighton, with a list price of \$89.00. In addition to being for the publishing folks, the brochure was done with the Mac and several DTP applications to create the type, art and assemble it all for production.

Hacking with the X-Acto...

Chuck assembled a panel of three folks (he was one) who discussed and showed some of the stone age tools that still serve well, even in this modern time. Chuck, and his wife *Sonja*, find that a light box, T-square, cropping "L's", waxer and a bunch of other arcane tools prove just as helpful today as they were when galleys and stats were the order of the day.

Sharon Gorse, of **Braemar Printing**,

added a few tips of her own, including a triangle to assure that things are square, a see-through ruler, kneaded eraser and some tips on photo work. Part of the recipe for a good job is to provide clear, concise notes for those who will take the keylines and convert them into film, plates and printed matter.

Don Piccard's forté is in the idea and management of the project at the creative level... matter of fact, his company is called **Creative Ink** (or is that "Inc.", Don?). He works with an artist to set up the color breaks, plan the appearance of the piece and to coordinate the project so that the most is squeezed out of the least. Don leaves the mark-up to the artist, who is familiar with the printer's terms and needs, to complete the prep work.

A lot of good, solid, practical tips are available from this SIG. If you find that you are in need of some "quick study" on how to jump into the DTP tasks with a minimum of false starts, be sure to drop in and give this bunch a listen. If you think that you have a problem, you are likely to find that someone in this group has already worked out the answer.

More bytes later...
TWE



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This One's Tough

Mac Computer Art and Design SIG, November
by Tom Edwards

Hardly fair! The guy who demo'ed the Apple Scanner for the November MCAD meeting really didn't know much about it. Even had the gall to say that he just first put his hands on it only an hour or two before the meeting. Now really, folks... is that fair?

Who was this nerd? (Gulp!) 'Twas I. And now I get to write about my own "presentation." Well, what can I say? Of course it was GREAT! A real fast study. All the tech notes, right there at his finger tips. Never a miss (that blew up a computer). Perfect scans every time (when we could find them)... at least MCAD Coordinator *Joy Kopp* didn't ban me from future meetings!

Baloney!

Actually, we all worked our way through the basics of the Apple Scanner together. This is a tool that can be of real use to the artist. Scan in some art, say a logo, and you have the fixin's for an infinite variation in size, clean-ups and plenty of easy experiments in quick changes.

Apple's scanner comes with two software programs: AppleScan and HyperScan. AppleScan is a stand-alone program, giving you access to several dot-per-inch resolutions (75, 150, 200 and 300). The scanner can manage 256 levels of gray. The deck is a "flat bed", able to take a scan over an area of 8.5" by 14". However, you will probably scan smaller areas, rather than whole sheets, because that's usually the way artwork is done. Also, the memory required for a large, detailed scan is astounding. You are likely to find that your art is spooled to disk, and not kept in RAM.

The software allows several adjustments in brightness, contrast and filtering. Most settings can be saved and recalled, eliminating the need for tedious guesses on various scales that range from 0 to 100%. Files are saveable in MacDraw, PICT and TIFF formats.

Easier but more limited...

is what you immediately think of as you switch to HyperScan software. This runs under HyperCard and is designed only to work at 75 DPI and scan an area that is proportioned as one HyperCard screen (now what else would you expect from Bill Atkinson, the author of HyperCard, who also authored HyperScan?). Though limited, the program is very straight forward, comes with built-in HELP, a WALKTHRU example and is accessed with a

few buttons. (There is also an example stack, but it was missed on the quickly assembled software disk that came with this demo scanner.)

HyperScan also lets you play with some special effect overlays that manipulate the image. These give different dithering patterns, along with line effects to change the appearance of the scan. Once you have the scan tweaked to your satisfaction, it is placed on the clipboard, ready for you to switch to the HyperCard stack of your choice and paste it in as a background or card picture. As a "picture", you can use the standard paint tools to touchup and add your own work to that of the scan.

Order here...

Apple Scanner, with the two software programs, has a list price of \$1795. It is a SCSI device, so takes a Mac Plus, equivalent or better, to get it up and running. If you need a scanner, this looks to be a fair buy. As with so many things of late, RAM will greatly enhance the performance, particularly when moving around on the screen. More special effects and detailed editing require the addition of an image editing program.

The fine print...

My personal thanks, and the appreciation of the MCAD group, go out to the folks at **Hagen Office Equipment** for making the Apple Scanner and software available for this demo. It's cooperation such as this that helps to build a special relationship between the dealer and user groups. Check the list of cooperating dealers published elsewhere in this newsletter. If you are looking for that special something, give one near you a call and mention Mini'app'les. You might be pleased with the response.

More bytes later...

TWE



Swap Meet
December 17
St. Louis Park
High School

Mind-Over-Matter

by Dan Buchler



According to the London Daily Telegraph, November 14, 1988, a British Company, Bit32, has been awarded a £50,000 (\$90,000) research grant by the British Government on the belief that it is possible to control Apple Macintosh computers mouse functions by learning to modulate electrical signals generated in the brain. The company is striving to perfect a technique in about one year. It's managing director, Roy Stringer, said, "We have already made a point move around the screen using 'brain-waves' and we are very excited about the potential."

Bit32 is already involved in a project called Headstart, which has resulted in the development of a light-weight headset that uses ultrasonic measurement to detect small head movements. Thus the headset is used as a substitute for mouse movement. This Headstart project is aimed at providing aids for handicapped persons. Most of the development efforts are being performed in conjunction with a Mac SE.



Flyin' with WingZ, concluded from page 12

problems are always fun to listen to and to respond to. If you are looking for a "home" for your Mac interests, stop by for a visit. I think that you'll stay a while.

By the way... I picked up the new System 6.0.2 from the Club's e-DOM table (\$12.00). This is a four disk, set with all of the System files that you'd get in the genuine Apple package. Of course, there's no documentation (except for a few brief "Read Me" files) but that hasn't stopped my putting the new System to work. Had a Bomb or two, but nothing that is consistent or can be traced to the new System. Each time I change, the System file puts on a K or 20, so this is not for the floppy crew. Now I find that the "Paint" tools in HyperCard can't be used unless I shut off the StartUp Sounds.

RAM, where are you when I need you?

More bytes later...

TWE



Classified Advertisements

Each Mini'app'les member may run one free non-commercial classified ad per month in the newsletter. Submit ads to Bob Lowe by phone (voice) at 933-0464. Ads received by the second Wednesday of the month will appear in the next month's newsletter. Ads may be edited for length and to fit our usual format. There is a charge for commercial ads, contact Bob Lowe for details.

Apple IIc monitor \$10. AppleWorks program \$100. Dac Easy program \$50. 426-6475.

5" floppy drive Apple II compatible \$95. Used six hours. 426-4668.

For Sale: Data base and statistics software, Reflex Plus \$75. DataDesk Professional (full statistics with graphics), \$225. Original disks and documentation. Please contact Ed Belongia at 929-1981.

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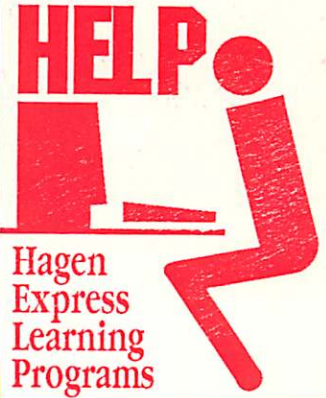
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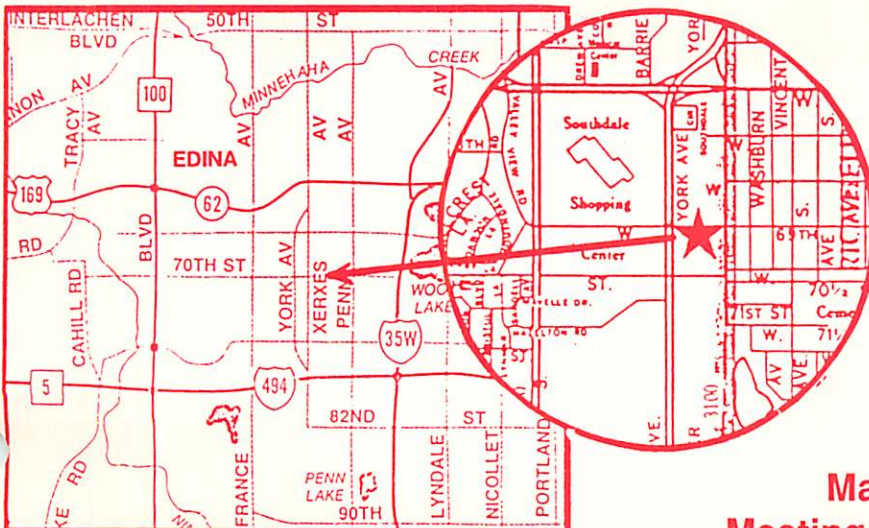
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In response to last month's Question of the Month, here are some sources of recharged toner cartridges: Core Restore, 566-0401; Laser Technologies-8200 Grand Av, Bloomington, 888-7375; Laser Toner Refill Service, 4972 Xylon, Mpls, 537-2784; Success Computer, 7707 Flying Cloud Dr, Eden Prairie, 942-9797. This is only a partial listing, and mini'app'les does not necessarily recommend these companies.

**Mac Users
Southdale Library
December 1st**

Southdale Library, 7001 York



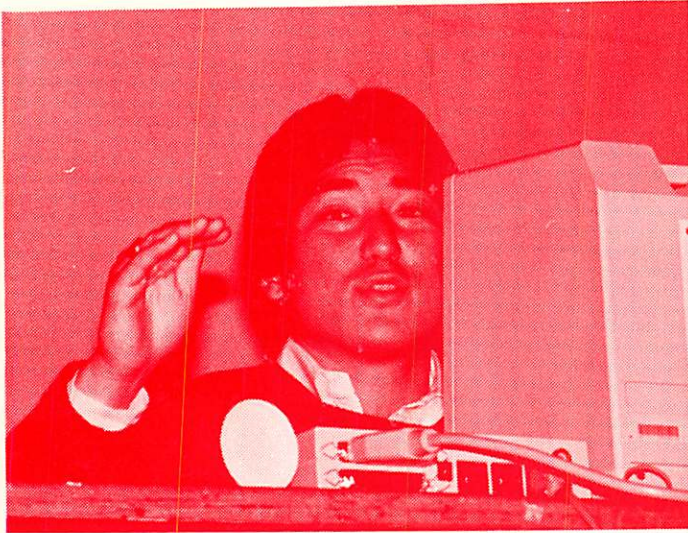
**Mac SIG
Meeting Place**

**Apple/Mac Users
SWAP MEET!
Sat, Dec. 17th**

QUESTION OF THE MONTH

It's fun and informative to know what others are doing within our group. 'Question of the Month' is a new feature that will help us do that by taking regular polls. Please call in your response to Bob Lowe at 933-0464 by December 7th, and we'll publish the results in the next newsletter.

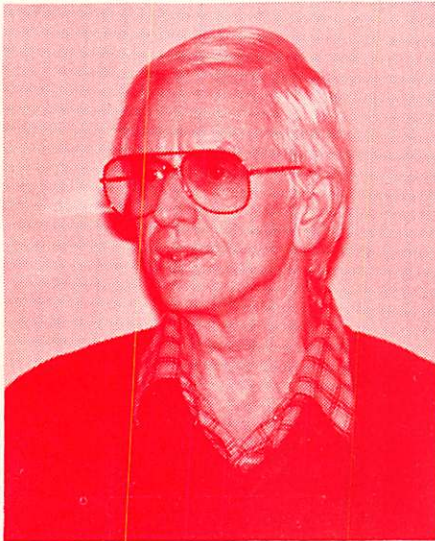
Q Which Bulletin Boards do you like, and why?



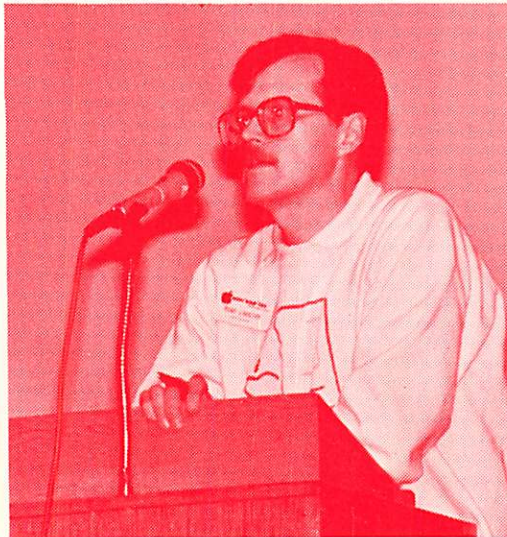
Guy Kawasaki says "Hi, Mom" for the CBS camera crew at September's Mac User meeting, where he showed off 4D, version 2.0 beta.



Actually, Brian Wink from Informix was just playing Flight Simulator all of the time that Mac Users were watching WingZ. What you saw on the screen was video tape!



Chuck Bjorgen puzzles over an answer to the question "What is the meaning of DTP?"



Despite threats to resign at every MacUser Meeting, Mike Carlson just won't let Dave Stovall have all the limelight.



The Mac screen exerts a strange pull on Steve Vetter's hand. Presentation Passport eats rings.

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