mini'app'les

apple computer user group newsletter

VOLUME VIII No 2 FEBRUARY 1985

WHICH	WHEN	WHERE	WHAT
St. Paul Branch Note 3	Tue Feb 5 7pm-10pm	Mahtomedi Fire House Hallam & Stillwater	
Pascal & Apple /// Note 1	Wed Feb 6 7:30pm	Minnesota Federal 9th Ave. S., Hopkins	Pascal & Apple /// Special Interest Group Meeting.
Geneology Club Note 11	Sun Feb 10 2:00pm	Minnesota Historical Society Library, St Paul	
Dakota County Branch Note 7	Tue Feb 12 7pm-10pm	St. John Neumann Church 4030 Pilot Knob Rd, Eagan	
Board Meeting Note 2	Wed Feb 13 7:30 pm	Minn Federal of Roseville Lexington & Larpenteur	Regular Board Meeting. All members are welcome!
Business SIG Note 10	Thu Feb 14 7:30 pm	St Paul Central High School Lexington & Marshall	Apple Works Demo by Ernie Bedor
St Cloud Branch Note 15	Thu Feb 14 7:30pm	Waite Park City Hall 5th Ave & 3rd St N.	
REGULAR MINI'APP'LES Note 5 Map Inside	WEDNESDAY February 20th Prgm-7:30pm SIGs-8:30pm+	Edina Community Center 5701 Normandale 7 blocks S. of 50th St.	
Education SIG	Wed Feb 20	After Regular Mtg.	MECC Conf. Discussion - Note 12.
Investment SIG Note 4	Thu Feb 21 7-9:30pm	Henn Cty Lib at Southdale 7001 York Ave S.	Investment Software Demo
Macintosh SIG Note 9	Mon Feb 25 6:30/7pm	PCA Building TIES classroom County Road B2 near Rosedale	More Data base reviews Directions in announcements.
New Hope Branch Note 16	Tue Feb 26 7:00pm	Rockford Rd Library New Hope	
Minnetonka Branch Note 8	Wed Feb 27 7:30pm	Glen Lake Community Ctr 14300 Excelsior Blvd room E	SpeeDemon Demo.
St. Paul Branch	Tue Mar 5	Mahtomedi Fire House	Note 3
Pascal & Apple ///	Wed Mar 6	Minnesota Federal	Note 1
Dakota County	Tue Mar 12	St. John Neumann Church	Note 7
Business SIG	Thu Mar 14	St. Paul Cental High School	Note 10
St Cloud Branch	Thu Mar 14	Waite Park City Hall	Note 15
REGULAR MINI'APP'LES Note 5 Map next month	WEDNESDAY March 20th	UNIVERSITY MINNESOTA - ST. PAUL Room B45 Bldg 412, or Student Ctr., Buford Ave.	New format See announcements
Investment SIG	Thu Mar 21	Henn Cty Lib at Southdale	Fundamental Analysis - Note 4
Macintosh SIG	Mon Mar 25		Swap night! Note 9
New Hope Branch	Tue Mar 26	Rockford Rd Library	
Minnetonka Branch	Wed Mar 27	Glen Lake Community Ctr	Note 8

1. John Schoeppner
2. Dave Laden
3. Fred Woodward
4. Eric Holterman
5. Mark Abbott
6. Dan Buchler
7. Bob Pfaff
8. Dick Peterson
9. Mike Carlson
10. Dick Marchlafava
11. Bill DeCoursey
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Mini'app'les

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P.O. Box 796
Hopkins, MN 55343

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St. Cloud	Frank Ringsmuth	253-6032
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	{ Jim Schenz	429-4931
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Liaison (*) - Geneology	Bill Decoursey	574-9062
Liaison (*) - Medical	Stewart Haight	644-1838

* To provide contact with non-Mini'app'les SIGS

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DOM Editors/Producers	Peter Gilles	475-3916
MAC DOM Editor/Prod.	Steven E. Baker	935-1192

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INFORMATION

This is the Newsletter of Mini'app'les, the Minnesota Apple Computer Users' Group, Inc., a Minnesota non-profit club. Articles may be reproduced in other User Groups' publications except where specifically copyrighted by author.

Questions
Please direct questions to appropriate board member or officer. Technical questions should be directed to the Technical Director.

Membership
Applications for membership should be directed to the Membership
Co-ordinator: Ann Bell 544-4505
8325 39th Avenue N.
New Hope,
Minnesota, 55427

$12 buys membership for one year. New members and persons renewing after letting membership expire, pay a $5 administration fee. Members receive a subscription to this newsletter and all club benefits.

DOMs and MSDs
DOMs (Disk of the Month) are available at meetings for $5/disk ($8/MacDOM) or any DOM may be ordered by mail for $6.00/disk ($9.00/MacDOM). MSDs are $15/disk at meetings or $17.50/disk by mail. Send orders to Mini'app'les at above address attention DOM Sales.

Members may have DOMs copied to their own media. Contact Chuck Thiesfeld - details within this newsletter.

Dealers
Mini'app'les does not endorse any specific dealers but does promote distribution of information which may help club members to identify the best buys and service. Consequently, the club does participate in bulk purchases of media, software, hardware and publications on behalf of its 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 Contribution.
Hard copy binary or text files are preferred, but any form will be gratefully accepted. Deadline for publication is the 1st Wednesday 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.

Advertising
Direct Advertising inquiries to our co-ordinator Eric Holterman at:
PO Box 8266
Minneapolis, MN 55408 612-822-8528
E-Mail: Source, BBR490;
CompuServe, 71445,400
Circulation this issue: 2100

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ANNOUNCEMENTs

February Regular Meeting

The next regular meeting of Mini'app'les will be held on Wednesday, February 20, at the usual spot in Bloomington - the Edina Community Center, 5701 Normandale.

Starting in March, we will have a new meeting format. (See Minutes of Board meeting). The details still need to be worked out, but we tentatively plan a more general type of meeting with more special interest groups. We will probably dispense with a main speaker except on special occasions. The idea is to try to provide something for everybody, particularly for the less experienced users. Watch these announcements for more details.

January Meeting Notes

We wish to thank Dave Johnson and Bill Pederson of Apple Computer (Minneapolis) for their very informative talk about new Apple products and Apple in general.

We also wish to thank Andrew P. Niemic of Checkmate Technology who came all the way from Phoenix. He demonstrated his **super** card for the Apple II series called Multiview 160, which puts 160 columns on a regular monitor! It even ran on a cheap Video 100 and looked fantastic. The club's Gorilla monitor easily displayed 160 columns due to the excellence of this card. It has MANY additional features and would be especially nice for use with a //e. For example, if you have an extended 80 column card on your //e, the 160 column card will make use of the memory on the //e extended 80 column card. It can also display two fonts at the same time. You were there, weren't you? Well, you SHOULD have been!

Minnetonka Branch
by Steven E. Baker

The February 27 meeting of the Minnetonka Branch will be a demonstration by Dick Marchiafava of The SpeeDemon, a Apple II Coprocessor Board. See the November 1984 Mini'app'les newsletter for a detailed description of the board.

MacDOM #5
by Steven E. Baker

Yes there will be a MacDOM #5 available in February. The exact contents are not known at the current time, but it will contain some interesting utility programs, demo programs, Multiplan templates, locally produced MacART, several music files for Musicworks, several new fonts and other goodies. The next newsletter will have a write-up on its contents.

MacSIG
by Dan Buchler

The next meeting of the MacSig will be held on Monday, February 25, at
The TIES Classrooms,
PCA Building,
County Rd B2

Take Hwy 36 to Fairview;
go north on Fairview about 2 blocks;
Turn left onto Couty Road B2,
After a short distance on the right is #1925 County Road B2, which is the Ties Building. The next building is #1935, which is the PCA building. The TIES classrooms are in that building.

We will be switching meeting places each month so watch the calendar.

A report by Tom Edwards on the December MacSIG meeting is printed elsewhere in this newsletter.

GOTO 7

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Announcements continued from page 6

February Board Meeting

The next board meeting will be held on Wednesday February 13, 1985 at the Minnesota Federal in Roseville (Lexington and Larpenteur). It is open to all club members. The main topic of discussion will be the club's general meeting format and content. We need your input to help us plan your meetings. If you would be willing to make a presentation, know someone who could make a presentation, or have ideas for a meeting topic, contact me or one of the other board members prior to this meeting. Better yet, come to the meeting with your ideas. The last time I checked, none of the board members could read minds. Please let us know what you want in a meeting and we will try our best to fulfill that request.

Elections

Election of club officers will take place at the April general meeting. If you would be willing to run for office, or know someone who would be a good officer, please contact one of the current board members. In accordance with the club bylaws, nominations for office will take place at the March Board Meeting. Further nominations will be accepted at the regular club meeting held in March.

WAUG Anatomy

I would like to leave you with this thought. It came from the January 1985 issue of the WAUG (Waukegan Apple Users Group Newsletter)

The Body of the Waukegan Apple Users Group is made of different types of bones. Some are:

WISHBONES -- They spend their time wishing someone would do the work.

JAWBONES -- They talk a lot but do little else.

KNUCKLEBONES -- They knock everybody's efforts.

Fortunately there are also **BACKBONES** -- Who get under the load and do most of the work.

Which one of these types are you?

I think all users groups could be described this way, so I pose the last question to you, the members of Mini'app'les -- Which one of these types of bones are you?

Remember, a user group is a group of people willing to share information with each other. Each of us has something to share just as each of us needs information from time to time.

Education SIG
by Jane Chatterjee

The long program at last month's main meeting forced a postponement of the scheduled Education SIG meeting. The program, "Discusion of MECC conference," has been rescheduled for the slot following the main club meeting on Feb 20th.

Newsletter Comtribution Method
by Dan Buchler

Starting immediately, the method for making contributions to the newsletter has been changed. If you don't have access to a modem, please send any 5 1/4" diskettes to: PO Box 796,
Hopkins, MN, 55343
Attn Steve George

He will then telecommunicate the material to the newsletter editor. Mac 3 1/2" disks, or telecommunications, should go directly to the Newsletter editor. Warning - we do want your contributions, but the extra step here will make it more difficult to process material received after the deadline, which remains as the 1st Wednesday of the month.

GOTO 9

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Mon, Feb. 25	12-6
Tue, Feb 26	10-9
Wed, Feb 27	10-6

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Announcements continued from page 7

Investment SIG
by Eric Holterman

The next meeting of the Investment SIG will be on **Thursday, February 21**, at our regular meeting place at the Hennepin County Library near Southdale. There will be three demonstrations.

Bill Jensen will demonstrate "Easi/ARIMA, The 2% Solution". ARIMA stands for AutoRegressive Integrated Moving Average. It is a prediction program based on a single series of numbers.

Dom Steinkamp will demonstrate the "CMS Market Counselor" by Capital Management Systems. It is a technical analysis charting program to predict overall market action.

Pat Dill, from E.F. Hutton, will demonstrate "Huttonline", an online service from Hutton which allows their clients to access market information and information on their accounts.

The March meeting will focus on fundamental analysis.

Russ Kirby has offered to set the meeting agenda up. Watch next month's newsletter for details.

Our meetings are on the third Thursday of the month at the at the Hennepin County Library at Southdale. We will be in the Helen Young Room. Doors open at 7 PM and the meeting starts at 7:15 PM, adjourning by 9:15 PM. Also, please be aware that the Library is being remodeled and we may have to change meeting times, dates or places on relatively short notice. As it stands now, we will have to move or change the date of the **April** meeting. Check each newsletter for the latest info. The library is located at 7001 York Avenue South. It is on the east side of the street, across from Target. Plenty of free parking.

IT'S YOUR CLUB ...
A Report From The President

I would like to take an opportunity to bring you up to date on the happenings of your club. Since the adoption of the new club bylaws less than a year ago, the club's business is transacted by an eleven member board which is elected by the general membership. This board holds regular meetings to discuss the programs, special events, policy and financial affairs of the group. In addition to this board, the club has a number of "staff" positions and coordinators. These individuals work with the board to carry out all of the tasks associated with operating the club and supporting the membership.

Position Openings

We are continually looking for volunteers to fill "staff" and coordinator positions. At the present time, we have openings that you are qualified to fill. Specifically, we want to build a larger consultant/resource network. This consists of people who are willing to volunteer their time to answer questions (most via telephone) on a variety of general and/or specific topics related to the Apple computers. If you have an area of specialty, are familiar with a particular piece of software (i.e. AppleWorks) or hardware (i.e. Prowriter printer), or have knowledge of a general area (i.e. spread sheets, printers) and would be willing to help out other club members, please step forward. You can call Hugh Kurtzman, the club's Technical Director regarding these openings.

GOTO 10

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Announcements continued from page 9

Business SIG News
by Dick Marchiafava

BUSINESS SIG MEETINGS IN MIDWAY AREA!

The Business SIG meetings will be held at a St. Paul location for the rest of our winter and spring schedule. This will give the members in St. Paul and the northern areas a break.

The St. Paul meeting site is at St. Paul Central High School which is located on Snelling Avenue at Marshall. That is just south of I-94. Those attending meetings may park in the lot and enter through the main door. Look for signs directing you to the meeting room. We may have the use of the school computer lab for some of the meetings, but not for the first two. My thanks to Ms. Kathy Leo for making the arrangements for the meeting site.

The February 14th meeting will be an AppleWorks demo by Mr. Ernie Bedor.

The meetings start at 7:00 PM with "Random Access", a question and answer session. The program starts at 7:30 PM.

Remember, the Business SIG will meet on the Thursday before the main club meeting from now on!

UP COMING MEETING SUBJECTS

February 25-27. COMPUTER EXPO 85, Strictly Business. At the Hyatt Regency Hotel. Mini'app'les will be at this show, and the Business SIG will be helping to staff the booth. The show dates are on Monday thru Wednesday. (See ad, elsewhere in this newsletter, for times and for $2.00 coupon. - Ed.) Call me at 572-9305 with a day and shift preference if you would like to help staff the booth.

March 14 Small Applications for the busy executive. Erik Carlson.

April 11 Apples for Large Corporations.

May 9 Tentative: Manufacturing Inventory Control on a Micro.

Future Corporate Users,
MAC/LISA - Connection to a Mainframe
Business Productivity Tools

SUMMER MEETING SCHEDULE

The Business SIG will commence the summer meeting schedule in June. We will gather after the main club meeting for an informal meeting in an adjacent room. Summer schedule dates are June 19, July 17 and August 21.

GOTO 11

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Announcements concluded from page 10

WWTC Computer Talk

Tune in to:
WWTC (1280AM).
It happens **Sunday** morning, **9AM-10AM**

Mini'app'les will supply an "expert" for this show on one Sunday of each month. If you have an Apple-related question, here's your chance to get on the air! Note: Chase Allen was our representative for December. Thank you Chase. Al Peterman will be on the air in February.

Strictly Business Computer Show
by Dan Buchler

The Strictly Business Computer Show will come again to Minneapolis in February. at the Hyatt Regency Hotel on February 25, 26 and 27. Approximately 220 booths are expected (contrasting with 100 at the Twin Cities Computer Show). We will have a booth there. The booth will be administered by members of the Business SIG and staffed by club members. We do need additional volunteers to staff the booth. Call Dick Marchiafava at 572-9305, if you are interested. Within the ad for the show, elsewhere in this newsletter, you will find a $2.00 coupon to help defray the cost of entrance into the show. Admission to the show is restricted to senior citizens over 21 years in age! If you are under 21, and really want to go - call Dan Buchler at 890-5051.

DOM Sales

DOMs (Disks of the Month) may be ordered by mail. Apple][,][+, //e and //c DOMs are $6 including postage. MacDOMs are $9 including postage. Send checks to:

Mini'app'les
PO Box 796,
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Attention DOM Sales

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Attention MacDOM Sales

Calendar Announcements

Please submit all calendar dates, changes, etc., to Ron Androff. As for all newsletter items, timely submission helps us all!

DOMs by Mail
by Chuck Thiesfeld

Now members can order DOMs (not Mini'app'les Software or MacDOMs) using their own diskettes. Here is the procedure:

Make up a package containing the following:
1. Blank diskette (or diskettes if more than one is desired).
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3. Send correct postage in stamps -- do not send money in lieu of stamps.
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6. A note indicating which DOMs are desired.

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Please allow 60 days for delivery in USA. Incomplete packages will not be returned. DOMs 1 thru 29, except 18, EAMON3, and 8 Pascal disks are currently available. Mini'app'les Software disks (MSD) are not available! General questions about DOMs should be addressed to Peter Gilles.

Please note that DOMs may also be purchased on club-supplied media by sending $6.00 to the software sales coordinator. See page 4. Two Mini'app'les Software Disks (MSD):1 - Mini'scrip, and 3 - Higher Print/Higher Word Processor/Message Maker are available by mail from software sales for $17.50. Or, most DOMs, EAMON disks and some other public domain software are available at regular meetings, and at some Branch meetings, for sale to members at $5 each, and the MSDs for $15 each.

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MAILBAG

by Arsen Darnay

General note: We're starting to get a lot of items in the mail produced on the Macintosh from beginning to end. Interesting, in a way -- although, of course, the Mac has a very definite and recognizable 'signature' and so you can tell the source of the fancy printing and graphics at a glance.

Electronic Trading. The **National Electronic Trader**, 2320 Kansas Ave., Topeka, KS 66611, 1-800-233-2322 will be producing a monthly publication filled with classified ads. You can subscribe ($19.95) and get three ads free (30 words per ad). The regular advertising rate is 30 cents per word.

Such a service is already available. It's P.O. Box 344, Leola, PA 17540. This is a more 'home-grown' product. Cost is $8 per annum. The ad rate is also 30 cents/word.

T-Shirts. I just love the way this outfit is pitching its product. Listen:

> 'Whether you're a 'computer genius' or not, you've probably got more than just a casual interest in computers. And, if I'm right, it's my guess you want **everyone** to know just **how** into computers you are, right? Well, that's how I felt too. Believe me, I wanted the world to know just how into computers I was. . . . Being a T-shirt freak (I collect them), I searched and searched for a T-shirt that said 'Computer Whiz' or something like that (yeah, I know, show off), and you know what?
> Nothing out there!'

You can guess the rest. T-shirts that say COMPUTER WIZ in computerish letters are available for $10.95 each on beige, light blue, and yellow backgrounds. Hurry! Send your check to Ryomi Softwear (love that!), 210 10th Street2B, New York, N. Y. 10014. Include $2.00 for shipping with each order.

Mailing Lists. Those of you who may be interested in selling things to computer owners, hardware houses, distributors, etc. can get specialized mailing lists from micro Personal Home Computing Mailing Lists, Box 134 Harvard Square, Cambridge, MA 02238-0134, 617-876-2789. Typical rate is $50 per thousand names of Apple Owners. Lists for a variety of computer and categories are available.

Mouseprint. This software, for $22.95, will let you convert the MousePaint program's print routine to run with printers other than Apple's dot matrix or Imagewriter. The program now supports Epson FX, MX with Graphtrax 80 and Graphtrax Plus, RX; Okidata Microline 84, 92, 93; and Star Micronics dot matrix. Supported interface cards are Apple Parallel, Epson Parallel, Grappler, Grappler +, PKASO/U, and Prometheus PRT-1. Send your order to AHWARE, Dept. C, 805 Luz Court, Danville, CA 94526. Specify your printer and interface card.

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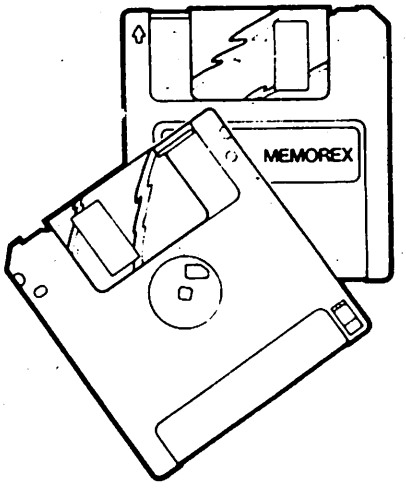

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E-ZEE INKER

A Product Review

by Dick Marchiafava

I have recently received a printer ribbon re-inking device for evaluation. I had seen the product at the fall computer show, and contacted the manufacturer, Borg Industries of Janesville, Iowa.

This firm makes two re-inkers, the E-ZEE INKER and the INK MASTER. The first item is a low cost ($39.95) manually powered device to re-ink printer ribbons, and is the subject of this review. The INK MASTER is a motor driven unit that is larger and differs considerably from the E-ZEE INKER. The INK MASTER was not tested.

The promise of being able to renew printer ribbons in my office on a limited scale was too much to resist. I ordered an E-ZEE INKER.

In some ways the machine is well conceived and made, but it has flaws. The unit I received differed in some details from the product illustrations I have. The ink reservoir is a piece of 3/4" diameter by 2" aluminum tubing mounted vertically on the base plate. A slice is cut from the side of the tube and a chunk of coarse gray felt is inserted in the opening to make the ink wick.

I followed the directions about applying the ink to the felt. The next day the ink had not saturated the felt. I applied more ink. And again, and again, and again, etc. It appears that the ink reservoir could easily hold half of the 2 ounce bottle of ink that came packed with the unit before it was ready to work. A far cry from the 10 to 20 drops the directions indicated.

To ink a ribbon cartridge, it is clamped in place up-side-down in order to have access to the drive spindle or gear. The next step is to position and lock the drive arm, which has a small crank. Then the ribbon is threaded over the felt ink wick, tensioned and manually cranked through the cartridge. An estimate of 10 minutes to crank through an Epson ribbon would not be excessive.

How did it work? The manual drive on the unit would not stay locked in place and had to be continually re-tightened. Operation of the manual drive is slow, tiring and frustrating because of the need to proceed carefully in order to keep the drive centered in the ribbon cartridge spindle. In spite the care used, it was necessary to stop frequently to lock the drive in place. The drive arm is poorly designed. The lock is located far from the crank on the arm and allows considerable movement because the principle of leverage is working against the lock. The drive bits were poorly made and, for the ribbons I was working with, it was necessary to insert a loose metal blade with a slot in it into the drive spindle and then engage the drive blade with the slot. This means that there is a loose metal blade floating between the drive blade and the spindle. This made it even harder to keep the drive centered.

After a few attempts to use the E-ZEE INKER as intended, I removed the drive arm entirely and reassembled the clamping arm to get it lower. I then repositioned the cartridge to get the drive spindle better supported. I then used a variable speed electric drill (run very slow) and a suitable power driver bit to run the ribbon through the cartridge. This worked. It took about 4 to 5 minutes.

The ribbon cartridges were left overnight to let the ink soak into the ribbon and become even. They were then tested in the printer. They work just fine. I am still using the re-inked ribbons.

As for the E-ZEE INKER, it is a disappointment. I would not recommend it. I will be contacting the manufacturer to let them know of my conclusions.

I may keep the unit and use it with a variable speed electric drill as I have described.

MagiCalc Tip

by Dick Marchiafava

I was working on an existing spreadsheet model recently when I found that I could not engage FUNCTIONS. An example of the command that I was trying use; @SUM(D4...D15). This would give me the total of all the cells in the range indicated without having to specify each cell in the range.

But I could not enter the @ sign! This was especially puzzling because I had already used that function in the same model. The cause of the problem? I had added lower case capability to my Apple][+ since I had last used that command. Now a shift P to where the @ lives gave me a P. The answer to this problem was to go to the CONFIGURATION SUBSYSTEM MENU and lie to my Apple and tell it that I did not have lower case capability.

This worked, and it was just a moments effort to do and then to restore the lower case capability when I needed it with MagiCalc again. I had to do the same thing to type the @ sign when writing this article.

""Quotes""

by Robert A. Adams

One of my favorite STAR TREK episodes ends with Captain Kirk saying, "Let's get the hell out of here." (Pardon his language;he was upset over the loss of one of his many girlfriends.) Using a word processor allows one to put quotation marks around that famous sentence without even a second thought. But suppose you wanted to display that sentence on the screen from a BASIC program. One method would make use of the CHR$ function along with a PRINT statement, like this:

```
PRINT CHR$(34)"Let's get the hell out of here."CHR$(34)
```

Another method, one that is more useful if there is a need for many quotation marks, would be to write a machine language program that looks for a certain screen character and, if certain conditions are met, turns that character into a quotation mark by poking a decimal 162 (hex $A2) into the memory location that should be a quotation mark.

In my case, I had a BASIC program with lots of conversation in it, and the quotation marks were all single quote marks (apostrophes, actually). The publishing company editor interested in the program thought that apostrophes instead of quotation marks was not a good idea, so I had to come up with a way to replace them all with real quotation marks. An analysis of the dialogue parts of the program revealed that all of those apostrophes were either preceded or followed by either a space or a "real" quotation mark; you know, the ones that start and end all PRINT statements.

The machine language program that was written, therefore, looked at all occurrences of apostrophes in the program. When an apostrophe (hex $27) was found, and it was preceded or followed by either a quotation mark or a space, it was replaced by a hex $A2, which BASIC would interpret as a quotation mark when PRINTing the statement on the screen. True apostrophes (as in the word "Let's" in Captain Kirk's famous saying above) would not be altered because they were not preceded or followed by spaces or quotation marks.

Three listings follow: the source code listing with comments, a listing of the hex code that can be directly entered into memory from the monitor, and a BASIC program that pokes the machine language program into memory. From BASIC, a CALL 786 will activate the program.

A listing of your program after the CALL 786 will show that all places where the substitution has been made will list as the word VTAB in place of that apostrophe. Don't be alarmed; BASIC has just become confused as to how to list your PRINT statement with a hex $A2 in it; BASIC only knows $A2 as the "tokenized" form of the command VTAB. Your program will run fine, and quotation marks will appear on the screen in all the right places.

Two side-effects that I haven't fixed yet may occur. Both have obscure causes that aren't worth explaining since they are easily overcome:

1) Sometimes the CALL 786 will hang the computer. Just press RESET to regain control, insert a temporary line anywhere containing a REM statement (as in 201 REM), and do the CALL 786 again. This time the computer won't hang and the routine will do its job. You can then delete the temporary REM you inserted.

2) Sometimes line numbers above 10000 will be renumbered. For example,
10030 PRINT "HELLO"
may become 42518 PRINT "HELLO"

GOTO 15

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""Quotes"" concluded from page 14

after the CALL 786. Just delete the errant line and retype the line as it was before the CALL 786.

If a PRINT statement must be rewritten after having been altered, the routine will have to be CALLed again to re-poke the quotation marks. (Problems 1 and 2 above may recur, too. Sorry.)

Live long and prosper. Now if I could just learn that Vulcan neck pinch...

(Can any fellow TREKKERS out there name and summarize the episode?)

```
                1   **************************
                2   ***                    ***
                3   ***   QUOTATION MARKS  ***
                4   ***       INSERTER     ***
                5   ***                    ***
                6   **************************
                7
                8
                9           ORG  $312
               10
               11   ** (FROM BASIC, CALL 786) **
               12
0312: A9 00     13           LDA  #00        ;  PAGE
0314: 85 00     14           STA  $00        ;LOW BYTE
               15
0316: A9 08     16           LDA  #$08       ;  PAGE
0318: 85 01     17           STA  $01        ;HIGH BYTE
               18
031A: A2 80     19           LDX  #$80       ; LENGTH
031C: A0 00     20           LDY  #00
031E: B1 00     21   CHECK    LDA  (00),Y     ;LOOK FOR
0320: C9 27     22           CMP  #$27       ;APOSTROPHE
0322: D0 30     23           BNE  NEXTLOC
0324: 88        24           DEY             ;FOUND ONE
0325: B1 00     25           LDA  (00),Y
0327: C9 20     26           CMP  #$20       ; A SPACE
0329: D0 07     27           BNE  TRY2       ; BEFORE?
032B: C8        28           INY
032C: 20 63 03  29           JSR  REPLACER   ;CHANGE IT
032F: 4C 54 03  30           JMP  NEXTLOC
0332: C9 22     31   TRY2     CMP  #$22       ; QUOTES
0334: D0 07     32           BNE  RGHTSIDE   ; BEFORE?
0336: C8        33           INY
0337: 20 63 03  34           JSR  REPLACER   ;CHANGE IT
033A: 4C 54 03  35           JMP  NEXTLOC
033D: C8        36   RGHTSIDE INY
033E: C8        37           INY
033F: B1 00     38           LDA  (00),Y
0341: C9 20     39           CMP  #$20       ; A SPACE
0343: D0 07     40           BNE  TRY4       ; AFTER?
0345: 88        41           DEY
0346: 20 63 03  42           JSR  REPLACER   ;CHANGE IT
0349: 4C 54 03  43           JMP  NEXTLOC
034C: C9 22     44   TRY4     CMP  #$22       ; QUOTES
034E: D0 04     45           BNE  NEXTLOC    ; AFTER?
0350: 88        46           DEY
0351: 20 63 03  47           JSR  REPLACER   ;CHANGE IT
0354: C8        48   NEXTLOC  INY
0355: C0 00     49           CPY  #00
0357: D0 C5     50           BNE  CHECK
0359: CA        51           DEX
035A: E0 00     52           CPX  #00        ;DONE YET?
035C: F0 04     53           BEQ  QUIT
035E: E6 01     54           INC  $01        ;NEXT PAGE
0360: D0 BC     55           BNE  CHECK
0362: 60        56   QUIT     RTS             ; WHEW!
                57
                58   **************************
                59
0363: A9 A2     60   REPLACER LDA  #$A2        ; QUOTES
0365: 91 00     61           STA  (00),Y     ; INSERTED
0367: 60        62           RTS
```

```
*312.367

0312- A9 00 85 00 A9 08
0318- 85 01 A2 80 A0 00 B1 00
0320- C9 27 D0 30 88 B1 00 C9
0328- 20 D0 07 C8 20 63 03 4C
0330- 54 03 C9 22 D0 07 C8 20
0338- 63 03 4C 54 03 C8 C8 B1
0340- 00 C9 20 D0 07 88 20 63
0348- 03 4C 54 03 C9 22 D0 04
0350- 88 20 63 03 C8 C0 00 D0
0358- C5 CA E0 00 F0 04 E6 01
0360- D0 BC 60 A9 A2 91 00 60
```

```
10  FOR X = 0 TO 85
20  READ Z
30  POKE 786 + X,Z
40  NEXT X
50  DATA 169,0,133,0,169,8,133,1,
    162,128,160,0,177,0,201,39,2
    08,48,136,177,0,201,32,208,7
    ,200,32,99,3,76,84,3,201,34,
    208
60  DATA 7,200,32,99,3,76,84,3,20
    0,200,177,0,201,32,208,7,136
    ,32,99,3,76,84,3,201,34,208,
    4,136,32,99,3,200,192,0,208,
    197
70  DATA 202,224,0,240,4,230,1,20
    8,188,96,169,162,145,0,96
```

DAISYWHEELING

On Silence and Sundry

by Arsen Darnay

Just before the holidays, an outfit called First Class Peripherals began promoting a hard disk for the Apple II computers with four-color inserts in the magazines and with direct mail aimed at known Apple users.

Ten megabytes for under $700. The pictures looked good. The text was not too hokey either. The price struck me as very low indeed -- because I'd learned slowly that to own the megabytes of storage, you had to shell out twice that much for half of that capacity.

The system is called The Sider -- perhaps because it is a tall and narrow unit and best fits by the side of the computer. It is sold directly, through the mail. Four-color inserts in the major magazines show the unit sitting inside a rural mailbox, with room to spare.

I ordered the unit after some hesitation and several calls to local dealers and to First Class Peripherals' 800-number. Aside from normal concerns any prospective buyer might have, I wanted to find out about The Sider's operating characteristics, especially the amount of noise it makes.

I am one of the ten percent of the population acutely sensitive to some kinds of noise. Wind in the willows or surf on the shore are nice. I like. But mechanical vibrations at some frequencies and the nerve-jangling hum of certain kinds of electronic devices... No like. Make for nearest horizon. Include me out.

My first contact with computers was a grimy, early IBM-PC. I used to spend hours wrestling with spreadsheets and never failed to grow melon-sized headaches from the fan and the monitor's hum (the latter possibly imagined). These days I work on an IBM-XT at times -- same problem. My Apples have no fans. Never! I'm with Steve Jobs, founder of Apple, who is said to hate fans. Long may he prevail. My Zenith green monitor is quiet. My amber one hums -- and will be replaced.

So I called some dealers hereabouts trying to learn whether or not hard disks are inherently noisy in that subliminally, poisonously subtle way that makes me crawl ceilings like Spiderman.

I learned mostly what I'd already concluded from other contacts with the retail sector -- the people at computer stores are changing; the experienced pros have left for new pastures, and the new breed knows nothing at all, is matched precisely to the new clientele, the Christmassy couple defensively shopping in the dangerous land of the unfamiliar.

They had **heard** about hard disks but they hadn't actually worked with one. They **supposed** that they were quiet, but So-and-so was not here at the moment, and I should apply to So-and-so for technical information.

And the pleasant voice at First Class Peripherals assured me that The Sider was as silent as the grave.

So I wrote a check. I told myself that this was a mature decision, but I knew in my heart that I was in the grip of that by now familiar acquisitive passion. Still. Ten megabytes for under $700 . . .

The Sider came, at last, in January. I set to work installing it on the //e. This was a tricky exercise because I couldn't distinguish the 'upper L-bracket' from another 'L-bracket' and couldn't see a 'lower L-bracket' anywhere in my plastic envelopes. The drawing was murky, faded, and ambiguous. I had to remove half my cards to get into the back of the unit. And to move the cable itself through the slot reminded me of the rich man and the eye of the needle or Caesarean section in reverse. I fiddled with the tiniest of screw drivers, Apple upside-down, a flashlight between my teeth, etc., etc. And finally, two hours later, manual in hand, I was ready to 'power on The Sider' as instructed. And I did so.

Now a question. Have you ever been in an old-fashioned butcher shop? I mean one of those places where they still slice meat for you using machines with blades at an angle and the clerk has to push the meat against the blade for each slice?

Very well. You know the sound those machines make when you turn them on. It's a high-pitched whine with just a whiff of steel scraping steel. And as the revs grow higher, the whine thins out until only dogs and people like me can hear it.

Thus the sound of The Sider. I stood there dumb-struck with disappointment.

My telephone has a long, long cord. I dialed up First Class Peripherals and, after a brief conversation, I held the telephone against The Sider so that the technocrat on the other end of the line could hear the sound of his product. He said he **thought** he heard it, but there was a lot of noise in his office, etc. Confessed that they'd gotten quite a few calls about noise; some of The Siders were a bit noisy; but the unit in their own office made no sound at all.

GOTO 21

Dear Sonny,

So you finally decided to write to your dear old mom. Well it's about time!

It *was* good to hear from you last month, and I *did* take your advice and used my home computer to call

I found lots of great information on shopping, dining and entertainment, and boy-oh-boy, I'm really excited about the new service at

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Then you can use your home computer to call

. There might even be a message for you! And you should read all the great love letters that sweethearts are leaving for each other!

Thank you for telling me about

. You're so dear. I'm just sure that I'll see a sweet message from my Sonny!!
I'll be watching...and don't wait so long to write to me next time!!

Love & Kisses

Mom

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MacPlace

MacSIG December Meeting

by Tom Edwards

Once again, the MacSIG meeting was held at the Southdale Hennepin County Library, 70th and York. Better be on your toes though, 'cause we play switcharoo for the remainder of the year, alternating between different facilities in different suburbs - Edina and Roseville, for example. The last time the 50th and 100 Edina location was used, a few found their way to the Edina Community Center instead of the library. But just beware, we do swap locations around once in a while.

M. C., M. C. (that's Mike Carlson, master of ceremonies) got things started at 7:08....not bad timing. Because of the large group (again), the usual round of introductions was concatenated to new faces or those with special interests looking for people with answers or similar interests. As usual, the fields of interest to those in the MacGroup was greatly varied. However, there are always some generalities such as "education", "graphics", "business" and the like. Mike brought some signs that were posted around the periphery to act as gathering points for the discussion groups following the presentations.

I must apologize for the brevity of what I can share with you about the opening question/answer session. I get interested in the questions and answers and sometimes forget to write things down because I am listening. Then, when I do write, I'm just not fast enough to get it all. But here are some of the notes that did get put to paper; enough so that I could construct some semblance of readable material for you to peruse.

- There were several quick questions, from the more "innards" oriented folks in the MacGroup, that centered on the general subject of graphics. If you have questions (or think you have some experience that might help others), it's time for you to make it to a meeting. The interest is building in this field, and it looks like there may be some additional programmers' spin-off groups forming. Ramsey Smith has started a sub-SIG for the University crew, and that seems to be the wave of the future; more specialization as quantity of MacUsers grow and areas of interest become more defined.

- The bug swatters were out in force, with reports of goosey things going on with some of the new releases. (Yes, Virginia, there is a Santa Claus, but no, Virginia, there is no such thing as a perfect program.) The Mac suffers from insectitis like any other computer about, though of course we hope that it's more annoyance than terminal. The latest is a report that the newest version of MacWrite does not get along well with the for-real MacTerminal. As a safety net, you are encouraged to keep a copy of your older versions of software around until you are very satisfied that the new versions don't chomp up something unexpectedly. Merge things slowly and deliberately, and be ready to take a step backward at anytime.

- This underscores the need to make backups of all your important files. That is a sound practice with any computer system, and again, Mac is a computer! This is really a footnote to the foregoing bug report. If your one-and-only copy of that important file gets trashed, there goes the farm, buddy. The Mac disks are neat, with their hard shell, but can be destroyed physically. And even if you handle them with kid gloves, you could make a mistake (you do admit to that, don't you?) and trashcan something on your own. But the most insidious loss is when the software goes on automatic erase. Sure, it's not supposed to do that, but even NASA, with all of their million$ and whizbang programmers, suffers from the glitchoids now and then.

- Look for the for-real MacDraw to make debut in January. Insider reports are that Apple has added some more functions/features that held up the release 'til they could be installed.

- Several Mac/Imagewriter users complained of getting an initial "squished" line of print on the paper. After moans from "old hands", saying that they've heard it before, the "fix" was again explained. The problem seems to be mechanical linkages and tolerances in the Imagewriter and/or paper (if tractor feed). The cure is to print a blank line as the first line of your document (not always practical with MacPaint), or to cycle the printer off/on after you have the paper aligned.

  My personal observation: This misprint seems to happen if I "back up" the paper to set the starting position with the printer on. If I back the paper up to the exact start point, and the first line to print is not a blank line, it will often print "squished". If I back up a little too far, then roll forward to the start position, the problem is avoided. This seems to take the "slop" out of the mechanism and get things oriented for a good start, and I don't have to keep poking the on/off switch.

GOTO 19

MacPlace continued from page 18

The Q/A's were cut off at this point so we could get to the scheduled program: reviews of 3 Macintosh databases. I won't try to catch all of the salient points made by the presenters...perhaps with a bit of pleading from the MacGroup they could be encouraged to pen down their notes as review articles for the newsletter!

- **FILEVISION** (Ramsey Smith - reviewer): Picture this...a visual database! Almost sounds like a contradiction of terms, no-less. This database will take a while for people to explore its strengths and exploit its unusual features, because it's "unconventional", and not just a collection of fields and records. You start by selecting/designing icons in a MacPaint-type of format. These are then used to make a screen "picture" of your visual database. Textural information can then be associated with your picture elements. The end result is "data" that is accessed in a visual manner.

- **OVERVIEW** (Tom Arneberg - reviewer): This database has been gaining a lot of backers because of its speed (the base is all in memory, therefore fast but limited in 128K environments), good math routines, and allows you to see several lines of records, more like a spreadsheet than as individual records. Although you can only sort on a single field at a time, previous sort order is maintained and you can do other sorts to your little heart's desire. Being so fast, this is hardly a handicap when comparing to disk based systems that may allow multiple sorts simultaneously. The program also includes a "form letter" utility that, even with its limitations, offers more capability than several other products now about.

- **DB MASTER** (Michael Quist - reviewer): Here's a venerable product that has its roots deep in the Apple][with sub-shoots in the IBM PC (OHH! go get the soap!). A big strength of DB Master has always been that it could manage a file that spilled across many (floppy) disks. The Mac version is no exception...your "limit" is 44 disks, a very healthy file indeed! Speed appears to be better, too, along with the ability to handle those long textural fields that have always been the nemesis of many databases. You can have a field of 3000 characters, if you wish (max record length is 3001 characters). The included report generator seems to avoid some of the mystification of the][series, yet maintains good power. All has not been retained in the transportation

GOTO 20

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MacPlace continued from page 19

though...the "formatting" of special fields like phone, social security, etc., didn't make it into the Mac version.

Many thanks for the time and effort put forth by our reviewers. There have been some good articles published on these bases, but it's always fun to be able to talk to a real, warm person that is actually putting the program to use. Several questions from the MacGroup were fired off to each reviewer, and they responded with immediate answers, even touching on shortcomings that they had encountered.

Look for similar "thumbnails" of program reviews at future meetings. February will see HELIX and PFS:FILE reviewed in similar fashion. The list of Mac programs continues to grow, and their complexity and utility also is on the increase.

As the witching hour ticked closer, Mike pressed to wind things up and still reserve some time for those with like interests to meet briefly before the doors got chained for the night. Some of the last-minute announcements included:

- The MAUG (Micronet Apple Users Group of Compuserve) is rife with the advance word that "Doctor Dobb's Journal" will soon publish full details for the DIY group wishing to bump to 512K. Certainly, there's some risk involved, but the project isn't quite like DIY brain surgery. If you really want that added memory, I'd suggest you read up and decide for yourself on the balance of risks vs costs.

- Rumors abound that Apple will release MacTools on disk. This is the heart of what a developer needs to do his/her thing. There seemed to be some confusion on the status of this...MacTools is copyrighted, and a lot of developers have parted with cash to get the Tools in paper form. Yet MAUG was saying that photocopying was OK. If you do need the Tools, I suggest you contact Apple direct to straighten things out.

- The Mini'app'les club, a la MacSIG, will soon have about 22 disks of software from Club Mac. How to distribute such a mass of software will be a subject of discussion for many. Even the MacDOM's of the club (which now number 4, plus a cooperatively distributed disk) are getting to be a logistics problem.

- Speaking of MacDOM's, Steve Baker pleaded for assistance. The volume is too much for the few, and needs the help of the many. If you can give aid in reviewing, documenting, copying, or selling, let your light shine out to Steve. He has 500 MS Basic programs that need organization! And there is a growing mass of stuff that can be downloaded from a variety of services/boards. WOW!

- Concensus reigned on a couple of quick votes regarding MacDOM's. The MacGroup accepted the suggestion to eliminate the "System" in order to open the DOM's up for a lot more data and programs. For the time being, the price will hold at $8 each, even though our costs (disks) have dropped significantly. This will allow our MacSIG to build a cash reserve, opening the possibility of a purchase of equipment (maybe a large screen device...programs...??) or finance some yet unseen project.

- Mike Carlson said that he has amassed (and we presume other Apple salesfolk have also) an impressive stack of software/product offer coupons with very attractive prices. He can't use (or afford!) all of the items offered. He's willing to listen to any reasonable plan that might make this windfall available to club members for review without jeopardizing his ethical position or bending his conscience too much. The tentative idea is that, if it were available, club members could try out the product, and if it meets their needs, proceed to buy their own copy. Any legal types got a suggestion?

That brought the more formal part of the meeting to a close. There was still ample time for some problem solving encounters and discussion with others on subjects of mutual interest. Things started to wind down as the cleaning crew began to make their sweep.

Hope that you've all had a great start to the New Year.

MacItem Bulk Purchases
by Dan Buchler

Central Point Software, Inc. publish **COPY II MAC** at a list price of $39.95. Besides the ability to copy most Mac copy-protected software (including MS-Basic, Multiplan, OverVue, DB Master, FileVision, and Copy II Mac itself), it provides a number of useful disk utilities. While not promoting pirating, I do advocate making backup copies of

I do advocate making backup copies of anything and everything, including copy-protected applications. We have an offer for bulk purchase of **Copy II Mac** at a price of $24 each in quantities of 20, plus shipping. Anyone want to handle the purchase?

GOTO 2.

MacPlace concluded from page 20

With respect to bulk purchases of Hogan's book, "Inside Macintosh", which was mentioned last month, I am looking into a special plan which Brady, the publisher, offers to User Groups. Will keep you all informed!

MacInfo and MacRumors, etc.
by Dan Buchler

Lisa2/10 is to be renamed Mac XL. It may also get a new video display chip that creates the same type of square pixels used by the Mac. This would correct the aspect ratio problem. According to one source it will also have 2 Mbytes. This will probably be old news by the time you read this.

New releases for MacPaint and MacWrite are coming. Any later versions then ones received with machine or past upgrades, floating around are unauthorized releases and are not supported by Apple.

MacDraw is coming sooooooooon.

Jazz will be worth waiting for.

One vague source suggests that Apple may be working on a Mac with slots for plug-in cards!

DaisyWheeling concluded from page 16

Needless to say, I returned my Sider with some regret. I'd love to have the megabytes. I'd love to have them for under $700, but silence is more precious.

* * *

I have a commission to develop a maze-type game for the Apple family of computers. With that chore ahead, I bought myself a Taxan color monitor, Model 210 -- the one that permits you to have both RGB color (with a card) and the normal TV-type color display. Along with that I acquired the Digital Paintbrush graphics system -- about which at some other time. But regarding the Taxan, I am very happy with the unit. Not the slightest hum, and the colors are truly stunning.

* * *

Pleased to report that some of these columns are now also appearing in **Washington Apple Pi**, the Apple user group serving Washington, D.C. and surrounding areas.

This pleases me, especially since I'm an old Washington hand, going back a few years. Used to live in Fairfax, Va. Regularly battled my way downtown on Highway 50 or I-95 (before it was renamed).

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DESK ACCESSORY MOVER™ 1.4 UPDATE

by Steven E. Baker

There's a new upgrade available for the Desk Accessory Mover™ (D.A.M.), fixing a minor bug in installing new accessories. It has been reported that, using accessories installed with D.A.M. 1.3, the Macintosh wouldn't throw the accessories out of memory after you've used them. D.A.M. 1.4 fixes that problem.

Licensed users can get a copy of the new version by sending a Macintosh diskette with a self-addressed, stamped envelope requesting version 1.4. The upgrade is available from CE Software, 801 73rd Street, Des Moines, Iowa 50312.

For individuals not familiar with D.A.M., the program is a Macintosh utility that allows you to add, delete, and rename desk accessories available on the pull-down menu under the Apple symbol on most Mac software. The program is being distributed under the MacHonor™ System by its author. The MacHonor distribution plan allows the program to be freely distributed to anyone wanting a copy, and, if the individual decides to keep and use the program, he is requested to send $15.00 to the author for a user's license and registration.

Mini'app'les Macintosh SIG will continue offering the program to anyone at a price of $5.00 each. The five dollars is only for the cost of the diskette and a small copying charge. To be a registered owner of the program you still must pay the $15.00 user's license fee.

In the Dog House

with Beagle Bros
relayed by Steve George

NUMBER 5: ONERR TRY AGAIN

Beagle Bros. (these guys really ARE prolific!) created the following. Makes a DOS patch which will cause the offending line to not only be LISTed for correction, but places the cursor at the line's beginning for easier editing!

```
10  POKE 42751,76: POKE 42752,240:
    POKE 42753,164

15  REM ASSUMES 48K DOS

20  FOR I = 42224 TO 42235: READ BYTE:
    POKE I,BYTE: NEXT I

30  DATA 165,37,233,4,32,91,251,108,
    94,157,0,0
```

GOTO 24

Spreadsheet Conversions

by Rollie Hammer

Converting **VisiFile** to **AppleWorks**

This method of converting Visi files to AppleWorks files may be of interest to those who have found VisiFile so slow as to be almost useless.

Conversion to AppleWorks via the DIF requires that entries end with a "carriage return" and that the file be created in the "column-wise" option. The problem is that DIF Visi files are not read directly by AppleWorks and requires an intermediary step as follows:

1. Convert Visi files to DIF.
2. Load the Visi file into a spreadsheet (I used The Spreadsheet).
3. Convert that file to ProDOS.
4. Load into AppleWorks (Database or Spreadsheet).
5. Add category names using open-apple N.
6. Presto! The data base file is now in AppleWorks.

Mini'app'les Software Disks
MSDs

3 Great Disks:

- Mini'Scrip Checkbook Financial System - MSD #1. A home and small business checking and accounting package by Leighton G. Siegel.
- Higher Text Extensions - MSD #3. Contains Higher Print by Dan Buchler, Message Maker by Charles C. Boody and Higher Word-processor by Don Hagberg.

Higher Print provides a high density print capability with a selection of fonts and more if you own Higher Text from A.P.P.L.E. The newsletter headers and logo are printed with Higher Text.

Message Maker requires that you own HIGHER TEXT. It serves as a tool to create and display, on your screen, messages which scroll up and down, left and right and do other useful things.

Higher Word Processor is a easy to use line oriented text editor suited to letter writing and everyday home use. It integrates with Higher Print.

All MSDs are available at meetings, to members only, for $15, or by mail from Ter Schoeppner for $17.50. See classified ads.

Beagle Bros' DOUBLE-TAKE

A Software Review

by Steve George

My first impression was that it was not a very usable program... very gimmicky. And that's why it sat on the shelf for lo these many months. But, when USED, it turns out to be a great little package.

I'm not sure how BB is trying to market this except as a utility for examining program listings, but it certainly is more than that. While being less of a programming tool than, say, GPLE, it is extremely handy for debugging your next project.

Its primary feature is that you can have a listing scroll up and down on the screen (forward and backward through the program). This works for BASIC, monitor disassemblies, monitor hex/ASCII dumps, etc.

Double-Take can be configured to handle 11 varieties of 80 column cards (including the //e), BB's Flex Type hires character set, or Apple's 40 col screen. Also, due to the number of utilities available (each one subtracting from the available memory for your program), shortened modules which contain more limited Functions are also provided.

The "NOTES" program on the disk gives information about the disk you purchased which wasn't included in the manual's printing. This is an excellent means of keeping all buyers up to date for the revision purchased. Included comments relate to added features and altered features (sometimes necessary when further enhancing another feature).

Though also configurable to use the "&" command, Double-Take comes set-up using a Control-F as its function key. When Control-F (^f) is pressed, the prompt "Function?" appears. At this point, each top-row key (both shifted and un-shifted) has a special function (23 in all).

For example, "^f1" executes the Formatted List command. If no line numbers are specified (ie: 100,340), then your program will begin its formatted listing from the beginning. Also, if the "1" above had been followed by "/n", then the width of the scroll can be changed to n characters (great for sending it to your printer). At this point the Esc key or a ^s will pause output. The arrow keys control which way the listing will scroll (forward/backward) and resume the scroll after a pause. Additionally, the space bar lets you single-step through the listing either forward or backward, once the arrow keys have indicated the direction.

Another very useful function is the Applesoft Cross-reference: this is an alphabetical listing of all variables, arrays, and strings and where they are referenced by line number.

These are but two of the 23 total Functions. The remaining 21:

LIST (Apple's)	Variable display
Catalog drive 1	Catalog drive 2
Examine memory	Disassemble memory
Hex/Dec Convert	BASIC(monitor)
Hide(Append)	Merge(Append)
Renumber	Auto-number
Stats(Vital)	Peek 2 Bytes
Optional cursors	Control characters
Clear screen	Hires Page 1
Lores Page 1	Page 2
Mixed text & graphics	

(Just thought of another possibility -- use the Variable display function from within a program! Gotta go see if it will save all variables to a text file during program execution...)

Hey, hey, HEY!! Well whadayaknow! Another use. Had to reconfigure the program (easy) to accept "&" instead of ^f. Then simply by opening, writing, and printing to a text file, I was able to save the current value of all program variables at the time of execution with "&V". (When set-up to work with the ampersand, all but 4 of the Functions use a new mnemonic such as V for Variables instead of top-row keys) It works sending it to the printer, too. One 'minor' flaw: it hangs, but only after transferring the info to disk or printer, so it effectively 'works'. This is just great! Another place I've tried it and it really helps: from within an error-handling routine to list all values to screen when a error occurs (ONERR GOTO...).

Overall, I'd say this is a very nice package now that I've gained some experience with it. Again, its primarily a debugging tool (but we all need help in that area, right?) and not a development tool. The documentation says it will work with GPLE (now marketed by BB).

Guess what... yup, GPLE does in fact work in tandem with Double-Take. But, one even better is that they allow you to also use yet another BB product: Pronto-DOS. FANTASTIC!

Imagine: GPLE, Double-Take, and Pronto-DOS (BB) all in one!! And it works WELL. Now THAT'S heaven: a programming tool, a debugger, and a fast DOS 'package'. (There's no stopping him now - Mr. Ed)

News and Rumors

by Baker, George and Buchler

APPLE II family news and rumors:

Upgrades are now available at your local dealer for:

- **Appleworks** - new utility to reconfigure program for non-Apple printers.
- **Applewriter IIe** to allow program to work on //c.
- **PRODOS**-bug fixes and ????
- Board swaps:
- **Apple IIe Revision A board** - (produced during the first two months) corrects problem with Double Hi-Res usage.
- **Apple //c board** - corrects problem with using non-Apple modems.

In both cases contact your local dealers for exact details.

New products: (fact or fiction??)

- **Flat screen for //c** giving 80 characters by 24 lines. Cost $595. Available end of January 1985. Beware - most of the LCD flat screens produced to date are very hard to read because of glare and reflections.
- **//e processor upgrade** to 65C02 and 4 new ROM chips - makes it //c compatible.
- Larger **disk storage** device for][family.
- Apple-sponsored **national BBS** with local phone number.
- **Laser printer** - connects to AppleTalk or to the standard Mac printer ports. Can also connect through standard RS232 serial port to other computers (Apple or non-Apple). If it released, we will bring you a detailed article in a forthcoming issue.
- **AppleTalk** (previously known as AppleBus). This allows up to 32 devices to be connected. Cost of each connection is approximately $50.
- **3-COM**, a third party developer, has announced a gateway network which will allow the AppleTalk, an IBM-PC net and EtherNet to be interconnected.
- The **Apple File Server** will probably not be out for a few months.
- **//x** - //c with 3 1/2" drives and more innards (memory or new chips). Despite previous rumors, this machine will not support MS-DOS.
- Apple is working with a 16-bit 65802 chip, but whether there will be a new product with it is unknown at this time.

See MacPlace, elsewhere in this newsletter, for more Mac rumors.

EAMON DOM'S

by Pete Gilles

There are now three new EAMON Adventures in the club DOM library thanks to the efforts of Dave Nordvall. Dave has also provided a new logo for the Mini'App'Les EAMON DOM's. The new adventures now available are EAMON E4 "Cave of the Mind"; EAMON E5 "Zyphur Riverventure"; and EAMON E6 "Castle of Doom".

These EAMON adventures all require that you build your adventure characters using EAMON E1 "The Beginner's Cave". When you try to boot adventures E4 thru E6, you will be advised to insert E1 which will provide the character data developed using "Beginners's Cave". Then you will be allowed to continue with the new adventure.

These adventures were purchased from a supplier of public domain disks and the adventures are assumed to be relatively free of errors. If an error occurs while playing the adventure, please do NOT contact the DOM editor as he will NOT be able to help you. You should write down the nature of your problem and bring it to one of the general meetings or send it to the DOM editor. I will try to compile the list of problems and get them published in the Mini'app'les newsletter and hopefully we will find another member who can help provide answers to the problems. The answers will also be published in the newsletter. Also if you would like to provide hints for other adventurers, I will be happy to help you get them published in the newsletter.

In the Dog House concluded from page 22

NUMBER 6: CURSOR MADNESS 2

The following Beagle Bros. gem is an extension of their 'twirling cursor'. The Applesoft program sets up several memory locations and then passes control to these routines and the Monitor. Basically it stores the characters of A$ in consecutive locations, POKEs in the delimiters for a memory move, and CALLs a short routine to change the character displayed.

```
10 A$ =  CHR$ (92) + "-/!"
20 L =  LEN (A$): POKE 769,L: FOR X =
   1 TO L: POKE 810 + X, ASC ( MID$
   (A$,X,1)) + 128: NEXT
30 FOR X = 770 TO 810: READ V:
   POKE X,V: NEXT : POKE 768,162
40 CALL 768
50 DATA 169,0,141,16,3,169,4,141,17,
   3,189,42,3,141,1,4,160,9,136,208,
   253,238,16,3,208,243,238,17,3,172,
   17,3,192,8,208,233,202,208,217,240,
   213
```

Minutes

Mini'app'les Board Meeting

by Ken Slingsby, Secretary

January 9, 1985.

The Secretary's report from the previous meeting had not been printed, so it was tabled.

The Treasurer's report has been reformatted to a much more readable format. It is now two pages long. Highlights appear below.

MINNESOTA APPLE COMPUTER USERS' GROUP, INC.

MINI'APP'LES

TREASURER'S REPORT FOR NOV. 1984

DESCRIPTION	PAYMENT	DEPOSIT
BALANCE FORWARD		5751.96
DEPOSIT (TCCS FRI & SAT)		1834.30
PRINTING (NL)	1128.70	
PRINTING (CATALOGS&NEW MBR MTL)	1174.06	
HARDWARE (FOR 3RD CLUB APPLE	567.24	
NSF CHECKS	27.00	
MEMBERSHIP MATERIALS	119.80	
RENT FOR MTG ROOM	90.00	
ADVERTISING EXP	56.30	
MISC EXPENSES (6 CHECKS)	653.82	
DEPOSIT (MEMB., DOMS)		2722.00
DEPOSIT (ADS)		957.00
TOTALS	3816.92	11265.26
CLOSING BALANCE (NOV 1984)		7448.34

The MacDOMs, sold since August, have accounted for about 50% of the DOM sales. This has created a problem as there was no budgeted amount available for purchase of blank media. A motion was made and seconded to approve a fixed inventory level of 500 disks. This amount is expected to build over a period of time, as required, to the allocated amount and includes copies of each of the DOMs. Motion carried. As a result, the treasurer's Report will now show two DOM sales categories (5 1/4" and 3 1/2").

There hasn't been a demand for the Micro Mailer MSD. In addition, the author has been unable or unwilling to take care of several bugs in the program. A motion was made and seconded to terminate the Micro Mailer agreement. Motion carried.

The newsletter entry is being switched from an Apple][to a Fat Mac. When this is complete, one of the club's Apple]['s will be available to run a bulletin board on a trial basis. Consequently, from now on, input for the newsletter on 5 1/4" media should be sent to Steve George, c/o the club's PO Box, for conversion to Mac format.

On a more serious note, there was a motion to write off $112 as a loss. (Isn't the Mac serious - Ed.?) The club had directed the CP/M SIG to purchase a Z-80 board sometime ago. Apparently the purchase was never made and the funds were not returned to the treasury. Hugh Kurtzman was directed to continue efforts at recovering the funds from the ex-SIG director.

The Business, Investments, and Mac SIGS will coordinate activities at the "Strictly Business" show in February.

There was further discussion about setting up an office to be used to house a club Apple, technical manuals and many of the exchange newsletters that the club receives. This space would be open to members to come and browse and exchange gossip, etc. Hugh Kurtzman and Peter Gilles will look into funding, uses, and other concerns.

By Presidential proclamation, the Board meetings will be held the first Wednesday of the month. The Pascal meeting will be held the second Wednesday. These changes will be effective with the April meetings.

There was some discussion concerning possible changes in the meeting format. Due to the lateness of the hour, discussion was tabled. There will be a special Board meeting on Wednesday, February 13, to discuss this topic. All interested parties are invited to attend.

The meeting was adjourned.

$ & ¢ Formatter

Presented by Steve George

```
59000  DC$ =  RIGHT$ ( STR$ ( INT
       (DC + (DC < 0) * 1 + (DC > = 0)
       * .005)) + "." +  RIGHT$ ( STR$
       ( INT (( ABS (DC) + 100) * 100
       + .5)),2),10
```

Where DC = value to format (input), and DC$ = formatted number string (output). Alternately you could reassign DC = VAL (DC$) at the end.

Add a RETURN and use it as a GOSUBed routine.

Classified

These ads are provided free to members for non-commercial use, and are limited to 10 lines. Commercial ads will be charged at 20 cents/word for members or 40 cents/word for non-members. Contact the Advertising coordinator. **DEADLINE** for ads is the second Friday of the month preceding the month of publication. Ads will be repeated on request only. Also, please notify editor if item is sold. Unless otherwise noted, all items are **For Sale.**

For Sale **Bit 3** 80 Column card. Make offer.
Hugh 544-7303

Timecor 300 Baud modem plus Transend communications software; worth $239, sell for $90. **Stockmaster** Portfolio Evaluation program, $30. **Orange Peel** Computer (64K, Apple][+ compatible), Apple][Drive, controller, printer interface, monitor; $550.
Don 341-4336 (work)
927-9263 (home)

DC Hayes Micromodem II, $175. 2 slimline drives, make offer.
Frank 894-1020

Apple //e, Microsoft Pemium //e Card, Grappler Plus Printer Interface, Comrex Amber Monitor, Transpak II modem plus software, Rana controller with Elite 1 and 2 drives, assorted software. $2100 or best offer.
Call Ken Hoffman at:
854-1331 (work)
869-7107 (home)

Want to buy: bare Apple][+, 64K.
Don 341-4336 (work)
927-9263 (home)

LOOKING FOR SOME NEW DOMS? The Apple Crackers have them. They are double-sided, filled with brand-new material. ONLY $4.00 each by mail! We also carry all 90 Eamon Adventures for $3.75 each. For a listing, send a stamp to:
The Apple Crackers
RR 2, Box 106
Lake City, MN 55041

Profile 5 meg hard disk, new in box, never used. Includes Quark Catalyst program loader. $900 takes it all. Also need inexpensive 80 col. card for Apple][+.
Budd 341-8299

NEVER USED! **Mountain Music System**, $295.
Kris 920-8028

G.I.S. Switch Box and 2 5' serial cables, $150 (retail $250). 2 Adam & Eve Apple][+ **paddles**, $10 (retail $40). All items never used.
Bob 770-3010 (evenings)

Epson MX-70 Printer, $170.
Jack 473-3902

Terrapin Logo for Apple][. Make offer.
Dan 890-5051

Apple][+, 64K (16K ram card included) with lower case chip. Computer only, NO drive, NO monitor. $395. Price is FIRM, FIRM, FIRM.
Dave 894-2747

ORDERING DOMs or MSDs

A reminder that **Disks Of the Months** (DOMs) and **Mini'app'les Software Disks** (MSDs) are available by mail: DOMs at $6.00 each; MSDs at $17.50 each. MacDOMs are not yet available by mail. Send your order to:

MINI'APP'LES DOM's
PO Box 796
Hopkins
MN., 55343
Attention DOM Sales

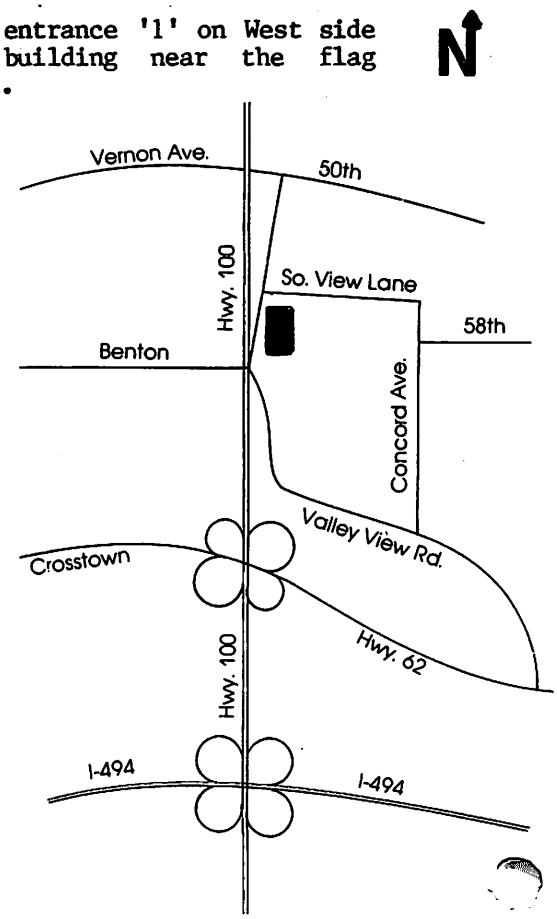
Most **DOM's** and all the **MSDs** are available at club meetings Because of the volume of disks distributed, they are not tested. Club members are asked to make every effort to get the **DOM** or **MSD** running. For example, occasionally the DOS on the disk will be bad, but it will catalog OK and one can run the programs. Master Create on your System master disk will fix-up the DOS. Of course, if you have a disk with bad programs, we will cheerfully replace it!

A service to copy DOMs (not MSDs) to your own media is also available. See announcements section.

Meeting Place

Edina Community Center
5701 Normandale Road
Edina

Use entrance '1' on West side of building near the flag pole.



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ELEPHANT #5 5-1/4,DS,DD	$ 27	$ 99	$ 239
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SUMMER GAMES	31.95
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BEAGLE GRAPHICS	41.95
BEACH LANDING	31.95
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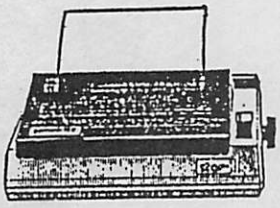
DOLLARS & SENSE	67.95



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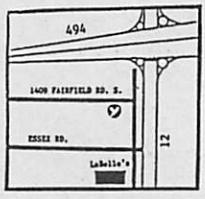

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