# mini'app'les

**Apple Computer** user group newsletter

**Volume IX No. 11 November 1986**


## Calendar of Meetings and Events

| WHO | WHEN | WHERE | WHAT |
|---|---|---|---|
| Graphics S.I.G. (Mac) | Dates and location of meetings being determined | | Note 15 |
| Mac S.I.G. Nontechnical | Mon. Nov. 3<br>6:30/7 pm. | Edina Cmty Ctr, W. Cmty Rm.<br>Hwy 100 & Benton Ave., Edina | Vertical Market Applications<br>Note 3 |
| Board Meeting | Wed. Nov 5<br>7:00 pm | 1st MN Bank<br>8320 42nd Ave. N., New Hope | Members welcome<br>Note 1 |
| Dakota County Branch | Tues. Nov 11<br>7:00 pm. | 1301 Wilderness Run Dr.<br>Eagan | Open Topic, Note 5 |
| The Smalltalk Group | Wed. Nov. 12<br>7:00 pm | New Location<br>Call for details | Programming in Smalltalk<br>Note 4 |
| Languages/<br>Technical S.I.G. | Wed. Nov. 12<br>7:30 pm | 1st MN Bank<br>31 9th Ave. S., Hopkins | Note 14 |
| **REGULAR**<br>**Apple II** | Wed. Nov. 19<br>7:30 pm. | Derham Hall High School<br>540 S. Warwick, St. Paul | D. Marchiafava on Sensible<br>Software, Note 2 |
| U. of Minn. Mac Users'<br>Group (UMMUG) | Thur. Nov. 20<br>7:30 pm | UM Physics Building, Rm 210<br>116 Church St. S.E., Minneapolis | *Charles Lukaszewski*<br>338–8581 |
| AppleWorks S.I.G. | Thur. Nov. 20<br>7:00 pm | Derham Hall High School<br>540 S. Warwick, St. Paul | Printers & AppleWorks©<br>application – Note 8 |
| Main Mac S.I.G.<br>**(Note Date Change)** | Mon. Nov. 24<br>6:30/7:00 pm. | Edina Cmty Center, Board Rm.<br>Hwy. 100 & Benton Av., Edina | Comdex Report – Gary Johnson<br>Note 10 |
| Northwest Branch | Tues. Nov. 25<br>7:00 pm. | Rockford Road Library<br>6401 42nd Av. N., Crystal | Note 9 |
| Mac S.I.G. Nontechnical | Mon. Dec. 1<br>6:30/7:00 pm | Southdale Library, Edina<br>Community Room | World Introd. Brand New Mac<br>Software Product, Note 3 |
| Board Meeting | Wed. Dec. 3 | 1st MN Bank, New Hope | Members welcome, Note 1 |
| **REGULAR**<br>**Apple II** | Sat. Dec. 6<br>10:00 am | Derham Hall High School<br>540 S. Warwick, St. Paul | Swap Meet<br>Note 2 |
| Dakota County Branch | Tues. Dec. 9 | 1301 Wilderness Run Dr., Eagan | Open Topic, Note 5 |
| Languages/Technical S.I.G. | Wed. Dec. 10 | 1st MN Bank, Hopkins | Note 14 |
| The Smalltalk Group | Wed. Dec. 10 | New location; call for details | Note 4 |
| Main Mac S.I.G. | Mon. Dec. 15 | Southdale Library Community Room | Note 10 |
| UMMUG | Thur. Dec. 18 | UM Physics Building, Rm 210 | *C. Lukaszewski,* 338–8581 |
| AppleWorks S.I.G. | Thur. Dec. 18 | Derham Hall High School, St. Paul | Spreadsheet Templates, Note 8 |
| Northwest Branch | Tues. Dec. 23 | Rockford Road Library | Note 9 |

Notes: (See page 3 for telephone numbers)

1. Ann Bell 544–4505
2. Ed Spitler 432-0103
3. David Stovall 474-8015
4. Martin McClure 227-9348
5. Bob Pfaff
7. John Gammell
8. Dick Marchiafava
9. Jere Kauffman
10. Mike Carlson
11. Dick Peterson
12. Tom Alexander
13. Mike Frazee
14. Chase Allen
15. Joy Kopp 890–3230

**Coordinators** - Please Call John Hansen (890–3769) by the 10th in order to have your meeting listed correctly!

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mini'app'les

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

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## 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 Membership Co-ordinator: Janelle Tryggestad 925-2436
3151 Dean Court, #703
Minneapolis, Minnesota, 55416

$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 newsletter and all club benefits.

## DOMs

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). Send orders to Mini'app'les at PO Box 796, Hopkins, MN, 55343, attention **DOM Sales or MacDOM Sales.**

Members may have 5¼" DOMs copied to their own media. See classified Ads for details.

## Dealers

Mini'app'les does not endorse any specific dealers but promotes 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 Submission".

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.

## Meeting Dates

Please telephone calendar announcements to
John Hansen - 890-3769.

## Advertising

Direct Advertising inquiries to our co-ordinator Eric Holterman at:
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# Announcements

## IIGS Notes from Apple

The Apple 5.25 Controller Kit, which is required for use with the Apple IIe, II Plus or original Apple II when using the Apple 5.25 drive, will not be available until January of 1987. A price has not been set for it at this time.

## Apple Earnings and Net Income Double in Fiscal '86

Cupertino, California. October 14, 1986. Net income and earnings per share more than doubled during fiscal 1986 according to year-end financial results released by Apple Computer, Inc. today. During the company's fiscal year, which ended on September 26, net income increased 151% to $154.0 million, compared to $61.2 million a year ago and earnings per share increased 141% to $2.39 per share compared to $.99 per share in fiscal 1985. Sales were flat at $1.902 billion in 1986, compared to $1.918 billion for 1985.

Net sales for the fourth quarter were $510.8 million, an increase of 25% over the year ago period when net sales of $409.7 million were recorded. Net income for the fourth quarter was up 47% at $32.9 million or $.51 per share compared to $22.4 million or $.36 per share for the year ago period.

Gross margins as a percentage of net sales were 53.3% for the fourth quarter and 53.1% for the full year. For the year ago periods, gross margins were 45.9% and 41.7%, respectively.

"We are pleased with these results," commented John Sculley, chairman and chief executive officer. "Apple has made substantial progress throughout fiscal 1986 as our second-half revenue gains and significant earnings improvement indicate. During the fourth quarter we saw continued momentum of our Macintosh™ products in the business market and strong performance of our Apple® II products in the education market. Both our domestic and international sales were strong. These results have enabled us to increase our investment spending to generate additional revenue growth in fiscal 1987."

## Access II Version 1.2 for Apple IIGS

Access II, a data communcations software program for the Apple IIe and IIc is now available in Version 1.2. This new version has serial drivers which are also compatible with Apple IIGS hardware.

A system upgrade disk was included in the October 15 dealer mailing. Customers who have earlier versions of Access II can upgrade their current disks to Version 1.2 by copying the new software to their existing disks, or on to a new 3.5-inch 800K disk.

# Macintosh Stuff

## Switcher Construction Kit Update

Switcher Construction Kit, Version 5.0 (M0540) works with Macintosh products which use the Hierarchical File System (HFS). This latest version of Switcher works with:

-- Macintosh Plus
-- Macintosh 512K Enhanced
-- Macintosh 512K
-- Macintosh XL
-- Macintosh Hard Disk 20
-- Apple Hard Disk 20SC

Switcher Construction Kit, Version 5.0 enables Macintosh users to integrate their choice of up to eight applications and swtich between them with click of a mouse. Switcher also makes moving information between different applications quick and easy. the new Switcher Construction Kit includes a revised and reorganized manual which makes Switcher easier to learn and use.

## Big Microsoft Announcement!

For those of you who haven't read it yet, in the Oct 13th issue of InfoWorld, Microsoft Corp. announced version 1.03 of Excel which will be available the end of October. They also announced that starting with Microsoft Works, every new release of any business product will **NOT** be copy-protected! Let's hand it to Microsoft for this one. Maybe now others will follow their lead.

## LaserWriter Plus Available As Fully Configured Unit

The LaserWriter Plus (M0169) is now available as a fully configured unit. Customers no longer need to purchase a separate upgrade kit that requires installation.

The LaserWriter Plus features:

- An additional megabyte of ROM for increased power.
- Sixteen 512K ROM chips containing 11 built-in type families.
- Seven new typefaces that allow users more options and greater flexibility:
  ITC Avant Garde™
  ITC Bookman™
  Helvetica Narrow
  New Century
  Schoolbook
  Palatino
  TC Zapf Dingbats™
  ITC Zapf Chancery™

The LaserWriter Plus will be available in early November. The LaserWriter and LaserWriter Plus Kit are still available as separate components. AppleCare (SC70036) service is available for up to 36 months.

## Special Note

During the October, November and December Apple II meetings and Main MacSIG meetings, drawings will be held for subscriptions to Nibble and MacNibble. Even if you already subscribe to either magazine, you can renew your subscription if you win.

# Software Library Additions

*by Steve George, Software Director*

## DOM #44
**DOS format**
**(Denver Apple Pi, Sept '85)**

Here's another very nice disk which originated with Denver Apple Pi. Special thanks to Ed Thompson, their group's software librarian, for all his help in the past several months! Through cooperative efforts, both our groups have benefited, and I look forward to further exchanges.

The major programs on this DOM include two games (PT-6502, an arcade-style hi-res game requiring paddles or joystick made with Broderbund's Arcade Machine [an excellent program!], and Zyphur Wars). PT-6502 requires a joystick or paddles and has supurb animation and sound (which can be turned off during those games that last into the wee hours). Zyphur Wars is another invasion/save-the-Earth type of game.

Next we have a Talking Calculator, a repeat from an earlier DOM, but interesting just the same. The 'voice' is a little scratchy, and shows us just how far we've come since this was first created! Nobody will confuse this program with a IIGS.

Last, there are two good music education programs and several utilities: both DOS and ProDOS. (Huh? ProDOS utilities on a DOS disk?) You'll have to convert ProMenu and its doc file to a ProDOS-formatted disk to be able to use them. Auto Redial Apple Pi will probably be of little use as it is received -- you guessed it, it repeatedly dials the Denver group's BBS. However, it certainly can serve as a model for when you create your own Micromodem auto-redial.

| Games | Education |
|---|---|
| PT-6502 | Talking Calculator |
| Zyphur Wars | Fast Forward Music |
| | Music Wars |
| **DOS Utilities** | **ProDOS Util.** |
| Auto Redial | ProMenu |
| Bin to Textfile | ProMenu Docs |
| RamDisk128 | |

## IAC #62
**ProDOS format**

### Hi-Res Picture Filer v1.3, Print Shop Graphics and Slide Show

This is another double-sided disk. Side 1 is Ken Tanaka's (Denver Apple Pi) Hi-res Picture Filer. Side 2 contains the programs which were to be part of IAC #60, but weren't.

From the info-sheet with the disk: "The purpose of the Hi-Res Picture Filer program is to make the viewing and filing of hi-res pictures on disk easily done from one program. The program allows locking, unlocking, renaming, and deleting of files. A file can be copied from one disk to another with or without deleting the original file -- useful for organizing a library of pictures. This allows you to copy picture files, or move them, without leaving duplicate files behind to be deleted. The program also has the ability to do a screen dump -- send a picture to the printer. However, this feature only accommodates Epson MX-80 and MX-100 printers with Graphtrax. This feature may also work for the FX-80, FX-100, RX-80 and RX-100 printers."

"To maximize the number of pictures which can be stored, a *Scrunch* or packing routine is included. This routine encodes a hi-res image into a compact form. When this compact information is stored to disk it takes up fewer sectors than a regular image, allowing more pictures to be stored on a disk."

"Documentation, which is included on disk, tells you how to use the Hi-res Picture filer. Also included are programming notes and file description."

"This disk has been formatted for ProDos. HGR Filer runs on an Apple ||e, ||c, or 64k Apple || Plus."

"Please note that on the back of this disk #62 is the slide show for the DOM #60 (Printshop Graphics and Slide Show) as we promised in last months DOM."

## ZipScript II
**DOS format**
**Personal Domain**

Hal Carter, author of a few of our other Personal Domain software selections, has done it again: an excellent value-for-the-money program. This time its a "complete word processing system that contains all the features required to handle your text processing needs with ease." His introductory file continues saying that "the system features a full screen editor (with horizontal scrolling), complete on-line instructions and a formatting program that supports various dot (.) commands specifying the printed format."

"The system uses DOS 3.3 and does not require any additional equipment, such as an 80-column card, lower case adapter or memory, to be used on the Apple II+. It will, however, execute just fine on the Apple IIe/c in the 40 column mode."

While not offering all of the features of a commercial program, it does offer an impressive array of features not found in many lower priced packages.

Please see Mini'app'les member Tom Gates' review of this disk elsewhere in this newsletter. Tom comments: "Hal Carter has done an admirable job and offers the beginner in word processing a heck of a value for the money."

ZIPSCRIPT II ©. 1986 by Hal Carter
*Requested fee: $10*

**This newsletter was printed on an Apple LaserWriter using Aldus PageMaker v1.2**

# ZipScript II

*A review by Tom Gates*

Program by Hal Carter, 3245 Pursell Drive, Pensacola, FL 32506

ZipScript II is a freeware program, and Hal is requesting a $10.00 fee for the program.

ZipScript II runs on Apple II+ and //e or //c in 40 column mode. The program is on DOS 3.3 format disk. This program does not require any special hardware to run, such as an 80 column card, lower case adapter or extra memory.

Starting the program, you are greeted with a menu offering the standard bill-of-fare. Open document, print document, display directory (catalog), copy or rename a file, install, print instructions, etc. I jumped in with both feet and immediately printed the instructions.

At first I was a little disappointed as I read through the documentation (all 8 pages of it) and was beginning to feel the statement in the documentation "if you don't like anything else..., you will find the price to be just right." was very truthful. But me and first impressions never did get along well.

In working with the program, I began finding what I will call wonderful capabilities. These things are barely aluded to in the documentation, but are very nice features. First point is the mention of the fact that no extra hardware is required for use with an Apple II+. This leads one to believe that there may be very little power in this program. To the contrary, as I went through the motions of entering some sample letters, I found that this program gives you a what-you-see-is-what-you-get feature for any document width up to 133 columns with just a forty column display. It does this with a scrolling text screen. As you type a document past column 40, the text screen follows along to the right with you. After finding this out, I had to see what would happen typing a 133 column wide document. *Voila!* 132 columns on the printer (compressed print of course)! But for those with the wide carriage printers, 133 columns of normal size text!

Another feature that I found to be set up in an interesting manner is the use of printer controls. Predefined printer commands are included for bold, compressed, double strike, double wide, elite, italics, underscore, subscript and superscript. These commands can be used separately or in combinations depending on the capabilities of your printer. The feature I liked about the printer commands is that you use them in a toggle fashion. That is, enter "bold"

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printer command, the text to be in bold type and end with the "bold" printer command again. I liked that command format versus using the multiple beginning and ending printer commands as is the case in Applewriter.

Some other features built into the program include automatic word wrap toggle, when on, words extending past right margin are moved to the next line, when off, bell sounds as you near the right margin. Line centering done in the document as you type versus being centered at print time. A scrolling help banner across the bottom of the screen (I had to shut this feature off after a while, it began to unnerve me more then help me). And a slick little feature to reformat a paragraph. This option allows you to type in a paragraph with the margins set at 1 and 65, then if you want the paragraph to be printed in a narrow column, just reset the margins to, say, 10 and 35 then use the reformat command and the paragraph will "flow" into the narrow column. Then set the margins back to their previous settings and continue on. (I must caution on setting the margins closer than the longest word in the paragraph, program does not handle this very well.)

Other "dot" commands include page length, line spacing, top and bottom margins, automatic page numbering and heading and footing commands.

### Some objections and problems.

I did not find the documentation to be very thorough and the command section was not set up in an orderly manner. I always had to hunt for the ctrl-commands I wanted to use. Maybe I will get ambitious and redo the the documentation, adding some of the examples that are sorely missing.

Even though the printer commands are set up nicely, you are limited to those provided in the program as it does not appear to have the ability to use "raw" printer commands.

By no stretch of the imagination can I be called a speedy typist (I do have my moments), but someone who can clip along at a good pace may find that as the program wraps the words from the right margin and onto the next line, there seems to be a moment where the program can not keep up as it re-orients the screen to the left. Many times I would lose a letter or two from a word as it moved it to the next line.

As you move between the different components of the program (editor, print document, etc.) disk access is required as it saves the dataset you are working on and loads in the next portion of the program. I found that using one of the "fast DOS" programs like Diversi-DOS, Pronto-DOS or David-DOS to be very desirable in reducing the disk use time. The program is particularly disk intensive when working with small letters etc. where you are moving between parts of the program more frequently.

### A summary

Zipscript II is not ready to compete with Applewriter or HomeWord or the other commercial word processing programs. But this is due more to lack of polish than to bugs in the program or lack of functions. Hal Carter has done an admirable job and offers the beginner in word processing a heck of a value for the money. I was also able to use the text files created with my Applewriter and HomeWord programs, so files created by this program would not become useless if you later purchased a commercial word processing program.

The main drawback at this time is just in the usefulness of the documentation in its current form. It requires too much experimenting and lacks examples.

Hmmm..., I wonder, if I added this, and moved that over here....

## Letters to the Editor

Congratulations to the Editor and Staff on issue Vol. X No. 10 Oct, 1986. *(Editor's note, it should have been volume IX).*
This issue was the best ever – keep up the good work. Looking forward to more info on the new IIGS and IIe upgrade to GS capabilities.
Will IIe upgrades need a new monitor (monochrome, color composite or RGB)? Will current color monitor be compatible but with limitations? What features of the GS will not be included in the IIe upgrade?

D. J. Vimr

*(Thanks D.J. It's nice to hear when we do things right. We also like to hear when we do things wrong!*
*I believe that current composite or RGB monitors will be compatible, except the Color 100 Monitor. You may in fact have a better quality monitor than that being supplied by Apple. Actually most of the current generation of composite color monitors are about the same. However, there is a large variation in quality and resolution of different types of RGB monitors. I don't have an answer to the question on features of IIGS not obtained when upgrading!—Ed.)*

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# The AppleWorks Advisor

## A Column For Users Of AppleWorks

*by Dick Marchiafava*

### November 1986 AppleWorks Version 2.0

As expected, (and as announced in last month's newletter) Apple Computer has announced the release of another version of AppleWorks. According to trade publications, this may be the last version of AppleWorks to come from Apple. Apple sources have been quoted that state Apple will continue to support AppleWorks, but is looking to the software publishers for new software packages for the new Apple IIGS.

The new version of AppleWorks is 2.0. At the time I am writing this (end of September), I have not seen this package. It is probably not in the hands of the computer buying public yet.

I had the occasion to speak with a software publisher who has seen AW 2.0, however. My impression after this conversation is that AW 2.0 was released to support the Apple IIGS. In some areas of the program, changes were made which increase capabilities in comparison with the existing versions. However, if you use AppleWorks 1.2 or 1.3 on a //e or //c with a memory expansion that has software which expands AppleWorks, you probably have more AppleWorks power than the new version offers. I read that an upgrade to AW version 2.0 would cost $50.00. I do not know if that figure is correct.

An Apple //e with memory expansion and a high speed co-processor board is a real AppleWorks powerhouse. It'll run the more capable expanded versions of AppleWorks faster than the Apple IIGS. The clock rate on the speed-up boards is effectively about 1 megahertz faster than the IIGS, about 25 to 33 percent faster.

The little I have seen of the Apple IIGS, at this time, shows that its sound and graphic capabilities are "awesome." But, this does not make AppleWorks or other application software better.

If the Apple IIGS could play the Grand Canyon Suite, while reading me a Zane Gray novel and display slides of suitable western locations all the while, I might consider one now. Since my interest in computers is to enhance business and personal productivity, I will just wait and see what develops with AW 2.0 and Apple IIGS.

### Converting An Operation To AppleWorks

For over a year, I have been doing invoice and purchase order functions on a word processor other than the one in AppleWorks. I did not convert these functions to the AppleWorks WP because the other program has a much stronger on-screen formatting capability and the ability to control a printer better.

Now I work with AppleWorks most of the time, and it was getting inconvenient to have to change programs when I needed an invoice or purchase order. So, I bit the bullet, or at least took it in my teeth, and converted the invoice to AppleWorks.

Because the invoice needs to be capable of holding vertical columns, I set up the new invoice template in AppleWorks spreadsheet instead a word processor document as it was before.

I converted another application to the AppleWorks spreadsheet earlier, so I had an idea of the problems I would encounter. This spreadsheet does not do things the way other spreadsheet programs do. In some ways it is easier, in other ways just different and in a few ways unique or idiosyncratic. I knew that the spreadsheet was the best choice to use for this invoice application, but I dreaded the prospect. This is why I delayed making the conversion.

One of the things I have problems with is the TAB command. In AppleWorks a TAB will always take the cursor to the next cell, despite its status. In other spreadsheets a TAB will take the cursor only to cells open to data entry, avoiding all protected cells. This allows a certain automation of the data entry sequence. With AppleWorks, one must "steer" the cursor to the next desired cell when entering data.

The next problem area concerns cells that are protected to allow only a specific type of data to be entered. If one wants numeric information in a cell to be treated as a label, one must enter a " character before entering the numbers. Other spreadsheets will treat any characters entered to be treated as a label if a cell is so defined. If the cell is left as a value, the spreadsheet may display the sum of an entry. For example, a date entered as 9-27-86 will be displayed as a value of -104. This is hardly what was intended.

Numbers in a cell can be treated as a label if the data are always a string of numbers, such as my invoice number. In the location where the customer order number is entered, I must define the cell as a label. Most order numbers are just a string of numbers, but some contain letters or dashes. I must enter a " in this location every time too.

I get the calculations made for me automatically by the spreadsheet invoice template. I even get the sales tax entered automatically where it is applicable. Near the top of my invoice, there is a location for a number, 1 through 5, which shows the taxable status of the sale. Only a code of 1 is taxable.

I used an IF function to do this. The formula used is @IF(J10=1,K38*.06,NA). That is, if the taxable status code is equal to 1, calculate 6% of the sub-total location, if not, enter NA (not applicable?). This gets the tax calculated, entered and added to the invoice total for a taxable sale. If the sale is not taxable, NA is entered in the tax cell. The problem with this is NA also prints as the total if the sale was not taxable. I had to change the formula to @IF(J10=1,-K38*.06,0). This prints a 0 in the tax cell if no tax is due, and does not cause problems calculating the invoice total.

A characteristic of the AppleWorks spreadsheet is that only 77 characters are usable of the 80 character screen, instead of the full 80. This means that something must be trimmed when converting an existing application, since I want the application displayed on the screen without scrolling sideways.

So, this conversion resulted in a compromise. It's a blend of advantages over the previous method, and drawbacks. I did use AutoWorks macro commands to lessen the effect of some of the awkward characteristics. With the time to hone the template, I may be able to make it a little easier to use.

The big gains I made are that I can do my invoicing without leaving AppleWorks, and calculations are

automatic. The major drawbacks are awkward data flow and data entry in some locations.

The next conversion I need to do is Purchase Orders.

### Avoid Bugs With Expanded AppleWorks

Member Dave Olson gave me the following tip. Dave was working with a standard version of AppleWorks (not expanded). "I have found an apparent Appleworks bug recently that was a bit tricky. When working with a mailing list from the data base, I tried to print the report to the clipboard for transfer to the word processor. Since I had been making labels, I had removed the header from the report. When I printed to the clipboard one of two things happened with no apparent pattern, drive 1 would spin briefly and I would be back in my report format, or the screen would simply return directly to the report format. In neither case did the information go to the clipboard. By accident, I found that if I included the header on the report, the same procedure was successful at getting the data into the clipboard. However, when I removed the header and again printed to the clipboard, it worked properly, if I had performed no other operations in the meantime."

"This bug exists on both Appleworks 1.2 and 1.3, on my enhanced IIe. However, when I used Appleworks enhanced with Applied Engineering's Desktop Expander, version 5.2.1, the bug vanished. Filled with curiosity, I called AE and related my experience. They said they had found that bug and several others, while digging around in Appleworks and fixed them with the Desktop Expander software. As a result, I now use only the Ramworks enhanced version of Appleworks, in spite of the longer boot time required."

As Dave discovered, Applied Engineering and Checkmate Technology, two of the companies which create the Expand Utilities for AppleWorks to use with their memory boards, remove bugs in the process of expanding AppleWorks. Sometimes the bugs are fixed just because they are there, in other cases fixing the bugs may be necessary for the expand modifications to work.

Send your AppleWorks questions and tips from anywhere to me at 7099 Hickory Drive N.E., Fridley, MN 55432. Or call 612-572-9305, no collect calls.

# Something for Everyone

**Pinpoint products for Apple computers**

*by Ed Spitler*

At least that was the feeling I had when I tried to take notes on the products demonstrated by PINPOINT'S president, *Brian Skiba* at our September 17th meeting. He showed us a lot and told us a lot, using Appleworks 2.0 on *Earl Benser's* supercalafragalistic IIe.

Here from headquarters in Emeryville, California, Brian demonstrated Pinpoint Desktop Accessories and other Pop-Up and/or stand alone programs for Apple II's to an interested audience, three of whom walked away with free Pinpoint software programs.

Pinpoint Desktop Accessories has an appointment calendar, 4-function calculator, communications package, envelope printing feature, telephone dialer, typewriter, word-processing notepad and I don't know what all else, is all available while in Appleworks, ProDos Basic, Manzanita's BusinessWorks or other ProDos applications.

Spelling Checker can tell you when you've goofed, anytime you want . At speeds up to 85 words per second, your errors will be detected and suggestions from a 60,000 word dictionary given for correct spellings. Or, if you want to surprise yourself, turn the alternate suggestions feature off and wait until you get to the end of your document. Tired of spelling your name wrong? Add it to the dictionary and it will recognize you in the future. All this without leaving AppleWorks! Their Document Checker (not demonstrated) is better if you want to wait, however, because it can check your spelling at a rate up to 150 words per second! The disadvantage is that you have to exit AppleWorks.

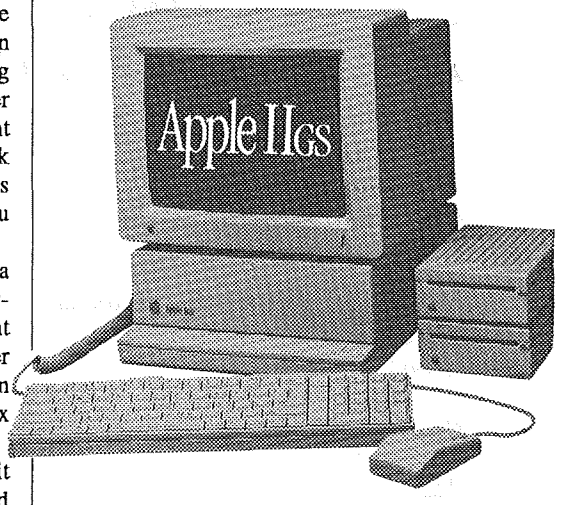
Brian also demonstrated KeyPlayer, a macro key and scripting program allowing you two-key control of important commands, words or phrases or whatever else you want to put in there. You can use conditional logic to build complex macros with ease.

There was so much to see and hear, it became difficult to take notes and comprehend all that was presented. There is no way I can do justice to the features in those programs. Fortunately, Brian had extra copies of his newsletter, "Points of Interest," 70,000 of which were sent out in September to users of their products. Next month, they anticipate sending out more than 100,000. Gives you some idea regarding Pinpoint product interest.

Their newsletter talks about the some 25 different programs available. Check it out because there is bound to be something of interest for both end users and programmers.

Three Pinpoint software programs were given away in the drawing. Pinpoint Desktop Accessories, Point to Point and Micro Cookbook for those "What's for dinner?" decisions. Congratulations to *Gladys Gudahl*, *Garry White* and *Ron Reich*. We eagerly await your reviews of those programs. Maybe Gary will give us a few recipes as well.

Thanks Brian, for an excellent demonstration. I'm sure you will be hearing from some of the audience soon. Wait a minute though. If you are interested in Pinpoint products, call *Mike Carlson* at Hagen Office Equipment (866-3441) or *Dick Marchiafava* of Ramco Sales (572-9305). They have a special offer on many of Pinpoint's products 30% below suggested retail.



# Apple Tech Notes

*Edited by Steve George*

## Applesoft: Internals Introduction (Part 1 of 2)

The following six notes, first published in The Apple Orchard (March 1980) are written for experienced 6502 machine language programmers who wish to use the Applesoft ROM subroutines. The addresses given are for an Apple ][+ with an Applesoft firmware card, or Applesoft loaded into a Language Card. Consult your Applesoft Reference manual for more information.

Take special note of CHRGET, the heart of Applesoft. When Applesoft wants the next character of an instruction, it points TXTPTR at the program or input buffer, and JSRs to CHRGET. TXTPTR is temporarily set to the last used DATA statement when Applesoft READS DATA.

**ABBREVIATIONS**

| | |
|---|---|
| msb: | most significant bit or byte |
| lsb: | least significant bit or byte |
| eol: | end of line token ($00) |
| A: | the 6502 accumulator |
| X: | the 6502 X register |
| Y: | the 6502 Y register |
| Z: | the zero flag of the 6502 status register |
| C: | the carry flag of the 6502 status register |
| A,X | is a 16 bit number where A has the msb and X the lsb. |
| (Y,A) | is the number or string whose address is in Y and A, with the msb in Y and lsb in A. |
| FAC | the floating point accumulator |
| ARG | the ARGument register |

## Applesoft: Applesoft internal program storage format

Applesoft programs are stored one line at a time starting at memory location $801 and ascending in order by line number. Each line is stored in this format:

The first two bytes are pointers to the absolute address of the beginning of the next line. The first byte is the least significant.

The next two bytes are integers representing the line number of that line. Again, the first byte is the least significant.

The next byte, a token, stands for the first Applesoft keyword. When the lines starts with "A = 1", the variable name (in ASCII) is first. The remaining command consists of keywords and symbols reduced to one byte tokens and unmodified ASCII text.

A list of Applesoft's tokens appears on page 121 of the Applesoft Reference manual.

The subsequent bytes are either "$00"s signifying the end of this line, or "$3A"s, indicating multi-statement lines, followed by a "$00.

If the link field for a line is 00 00, then Applesoft considers it the last line in the program while running or listing. The SAVE command uses a different pointer for the end of the program. $AF,B0 normally points to the high byte in the line number of the line beyond the last line.

## Applesoft: Numeric comparison problems

When two numbers print as equal, though an IF statement indicates they're not, the least significant bits in the internal binary storage format of those numbers are different. Applesoft's PRINT statement truncates a number that is extremely close to being an integer. For example, 3^2 and 3*3 will both print as 9 but won't compare as equal. Printing 3^2 - 3*3 will result in 3.7252903E09, while the expression 3^2 = 3*3 is false.

Round Applesoft real numbers to a specific number of decimal places to avoid comparison problems. Use the formula:

X = INT(X*P+.5)/P

where P=10 for 1 decimal place, P=100 for 2 decimal places and P=1000 for 3 decimal places, etc.

$8xx

| 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 0A | 0B | 0C | 0D | 0E |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00 | 0D 08 | 0A | 00 | 97 | 3A | BA | 22 | 48 | 49 | 22 | 00 | 00 | 00 | |
| E | LINK | LINE | #H | : | P | " | H | I | " | E | LINK | | | |
| O | | | O | | R | | | | | O | | | | |
| L | | | M | | I | | | | | L | | | | |
| | | | E | | N | | | | | | | | | |
| | | | | | T | | | | | | | | | |

## "Apple Pays Half" Rebate

Beginning November 1, 1986, Apple offers consumer rebates on all Apple-brand peripherals and software purchased in conjunction with a basic Apple system, consisting of an Apple CPU, Apple monitor, and first Apple disk drive.

The "Apple Pays Half" rebate offer is only valid when customers purchase Apple peripherals and software at the same store, on the same day, and on the same itemized sales receipt as their Basic Apple System Purchase.

The rebate amount is based on what the customer pays for the Apple-brand peripheral or software. The rebate per product purchase price will not exceed half its Apple suggested retail price.

The Apple II and Macintosh rebates apply only to the first of any given model of any Apple add-on purchased per Basic Apple System. No rebates will be paid on any product purchase price in excess of half its Apple Suggested Retail Price.

To receive the rebate, customers fill out an Apple Pays Half rebate form, and send it, along with a dealer-endorsed sales invoice (listing products purchased, prices, and applicable UPC codes and serial numbers) to the address noted on the self-mailer.

This offer ends January 10, 1987. Rebate forms must be postmarked no later than January 31, 1987.

**"Swap Meet"**

**Sat, Dec 6**
**Derham Hall High School**

**Be There!**

**Help your club!**
**Volunteer!**

## MacSIG:ntu tries the fast lane with

# Power Wiring

**by Tom Edwards**

More bytes than some of the "big kids" can hook in a row! They were all lined up on the front desk for the October MacSIG:ntu... five Macs with sundry hard drives, all networked together. *Curtis Juliber* had to call up the calculator DA to add it all up; something in excess of 200 megabytes, all humming and ready to share.

Curtis J. and *Dave Stovall*, co-chairs for the ntu, had tantalized us with the prospect of seeing something else that was big at this meeting. The original plan was to get one of the "big screen" accessories to show off. Unfortunately, even though the unit that they were seeking is manufactured right here in the Metro area, it had been "borrowed" by other interested Mac users and was not available for our MacSIG. Promises, promises. Perhaps we will get a second chance, as Dave and Curtis promised to continue to try to round up a big screen, full page display monitor. Who knows, maybe by the time it's available the pixels will have aged into a rainbow of colors!

The 50 or so non-technical users at the meeting this evening sparked a host of questions to open the session. Curtis, Dave and other helpful souls replied with suggestions and answers to queries like these:

- *Latest Switcher?* Current "official" release is 5.0.1 from Apple, a version that Curtis had to supply to the local Apple office to keep them up-to-date.
- *Will Apple have a SCSI drive available in the near future?* It already has been announcedby Apple and viewed by some ntu'ers. Availability? Real soon, now!
- *Suggest another spreadsheet at the lower end of the "power" and price range.* Try **MacCalc** or **SuperCrunch.**
- *Where can one find some assistance with Omnis 3?* **Blyth Software** has a directory of developers which might list someone in this area. Also, there is a fee-based BBS in the south metro area that offers help.
- *Rumors about the "open Mac"?* Seems to be delayed until late first quarter (or later) in 1987.

A slight change of focus brought out several announcements of interest to MacSIG'ers. There have been several Mini'app'les board level changes which were brought to our attention by *Dan Buchler*. *Mitch Bronson* recently joined the board to help reinforce the Mac ranks of representation. The Secretary position is open; the effort to combine secretary and membership processing duty into one responsibility proved too ambitious. *Earl Benser* has accepted the Treasurer position, and the board is looking to develop an "Expert Advisor" list. This would be persons willing to share their knowledge in specific program or hardware areas by answering questions of those "stuck" on a problem (contact Mitch if you would like to volunteer in some capacity).

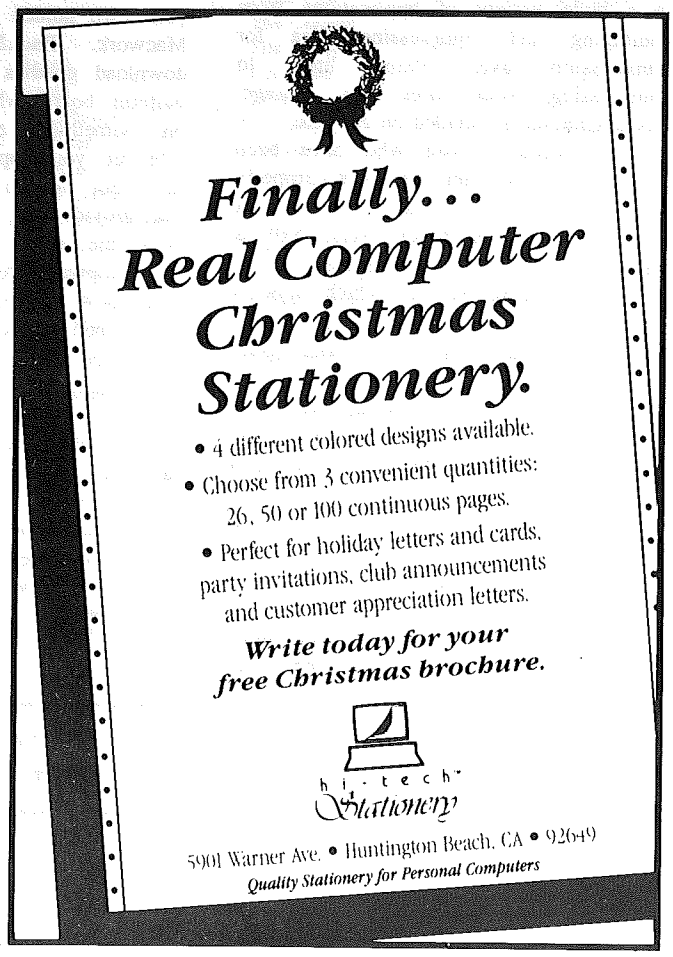
Curtis called on *Steve Pier* and *Steve Brian*, of **Mirror Technologies**, as tonight's program "designated hitters". The former is a "non-techie", responsible for marketing of Mirror's products. The latter is a "techie" that works on hardware and software to make the products shuffle information to and from the Mac and also to backup storage units.

Steve Brian gave us a detailed look at the lineup of current products available from Mirror, a company now based in Hugo, MN. An external 400K floppy drive launched Mirror into the Mac peripheral business was

Mirror has expanded the line to include an 800K floppy and several hard drives, ranging from 20MgB to a whopping 172MgB. Although the 20MgB drive is available as an internal or external unit, other hard drives are external only. Mirror has also adapted tape drives as backup units for the hard drives.

One of the more recent projects for Steve Brian has been the software to accompany the backup Mirror products. Steve took us through several of the "menus" and described how he has tried to make it all look as "Mac'ish" as possible. The impact of the network capability of the Mac, Mirror drives and backup units, is of course the "sharing" of information from one unit with any of several Mac's on the network. A single tape drive can also be used to backup all of the hard drives on the network, too, while holding equipment expenditures to one unit instead of several. Keys to this type of sharing come from software products such as "**MacServe**" (bundled with several of the Mirror products) and "**Tops.**" Products such as these also

GOTO 15



*Previewed by Curtis Juliber*

MacDOM #31 contains utilities for just about every occassion.

Would you like to store more files on your floppies or hard disk? **PackIt 3** (version 1.2) is a shareware packing utility which allows single or multiple files to be compressed, encrypted, and packed together into a single file. It can be used in a wide variety of applications from combining and compressing files for transmission over phone lines to compressing your files for storage. Documentation is included on the disk.

For those of you who have been waiting for Switcher to work properly with your Mac Plus, wait no more! A new release of **Switcher** (vers. 5.0) is on this disk and is HFS compatible.

The Talking Moose, which appears on MacDOM # 28, has proven to be very popular among Mini'app'les members. To help you program the moose to your own liking, we have included **Moose Frazer** on this disk. Be sure to read the documentation when you boot up the program.

**Histogram Maker** reads in a text file of numeric information and makes a chart out of it according to your specs. **FastPrint** will speed up printing of your MacPaint drawings. **Scavenger Mac** will help recover trashed HFS disks if the need ever arises.

For those of you who have the need to make mailing labels from your favorite database, **Mailing Labels 1.0** will input a database formatted text-only file and print out labels.

**And then there are desk accessories.....**

**Set Paths 1.3** is a desk accessory which maintains a list of up to five path names. Once Set Paths has been used, that list will be searched any time a file open operation occurs. The point is that if the file is not found where the programmer told the system to look, the system will start searching your list of paths and will fail to find the file only if it is in none of them.

Hopefully this will solve a number of incompatibilites that arise with some applications running under HFS - you know, the ones that require that their working files be in the same folder as the application.

**Counter** counts words in a MacWrite or text document. **Saviour** saves files automatically as you work. Just tell it how often you want it to save the file and give it the name of the save menu item ie. "SAVE." **Desk Zap** will let you set file attributes, delete, rename or copy files from within another application, create HFS folders and perform numerous other goodies. Check documentation for further details.

**Journal Maker** will let you make your own guided tours to show off your Macwork. **BackDown** will let you download goodies off your favorite Mac bulletin board while you your working on something else. **New Scrapbook** will let you copy any segment of an item out of the scrapbook, unlike the one provided by Apple where you must copy the entire item. **Timer 1.3** acts as a stopwatch for your Mac. If will let you know the elapsed time from when you turned on your Mac.....Yes, you can stop it and start it at anytime too.

Finally, what would a MacDom be without something to exercise your mind? Well, for all of you Star Trek fans we have (trumpets, please) **Star Trek Trivia!** I will never admit in public just how well (or how poorly) I did. Until next month..... (*Curtis, you mean next month you will tell us?—— Ed.* ]

**See "Apple Pays Half Rebate" offer on page 10!**

*by Mark Richards*

One of the problems being the Editor for MacDOM's is naming the disk. Some will suggest themselfs and others you have to stretch for. Well, to hang a name on this one, you take the new and improved **Daleks 2.0** game to bring in the doctor. Have fun being chased by a rather obsessive, ever-growing number of robots. And to take care of the patient, **Disk First Aid** will check and fix track problems on your disks.

On the rest of the disk we start with **Earth Plot.** Select your coordinates and see the world. (Hint: The Twin Cities are at 44° North and 93° West.) And to help you pin down even further where you are or will be, there is a series of MacPaint documents covering the World, the continental United States and South America in **Maps *f***.

Do you have a disk that you would rather people not be able to read? You can encrypt each of the files on it individually or you just password protect the whole disk with **Password *f***. For the hacker there is also the source code.

Speaking of encryption, do you like to do the Cryptogram in the morning paper? How about doing them on your Mac? **CryptoSolve** lets you practice your skills. There are an initial 35 puzzles for you to work on, but we have added another 50 into a Packit document. (*Packit is on MacDOM's #22 and #31.*)

If you are doing mailing lists you will be interested in **LabelPrinter,** a stand alone application that takes text documents and puts out a very nice 1-inch by 3 1/2-inch label. Want to organize your scrapbooks? Use **NEST** to produce an indexed double scrapbook.

And to round out the disk there is a group of **Font Samples,** the new version of **WayStation 2.6.**

# Mac Versions Numbers

*by B. Cary*

**Princeton University Mac User Group (PMUG)**

*Downloaded and edited by Dan Buchler*

This list was downloaded from AppleLink. We thank PMUG for it. They take no responsibility for it's accuracy. If anyone has any new information, please update B. Cary or Tom Mackie (IDs) listed below. Credit also toSteve Bobker of MacUser magazine for doing what no other magazine wished to bother with. Note: it has been brought to B. Cary's attention that this list has been posted on other (private) BBS's. While PMUG has no objection to that, they desire that *The List Be Posted Intact* - plus the following ¶.

"If you wish to make changes please do so, but better yet, **please** note and forward any corrections/additions! It's **your** list, and is simply impossible to maintain without input from you."

CIS: 70347,3517 75216,2100
GEnie: TOMMACKIE PRICECOLLINS
AppleLink: A0148

**Code:**

a = Apple
c = commercial
f = free (but may be CopyRighted)
p = public domain
s = shareware (pay author directly if you use it)
\+ = known to be Mac+ compatable (but absence does NOT mean the program is incompatable)
\- = known to be Mac+ and/or HFS and/or 128K ROM incompatable
n/a = announced to be available RSN
\# = not intended for use on a Macintosh with less than 512K of RAM (only Apple Computer, Inc. apps are noted in this listing)
$ = copy-protected (not yet implemented in this listing...RSN)

| Prog Name | Ver | Code | Publ |
|---|---|---|---|
| Accessory Pak 1 | 1.0 | c+ | Silicon Beach |
| Acta | 1.1 | c+ | Symmetry Software |
| Airborne! | 1.0 | c | Silicon Beach |
| Analog Clock | 1.11 | s | Erez Anzel |
| Anywhere RamDisk | 1.0 | s | Larry Robinson |
| AppleLink | 4.0 | c+ | Apple |
| Application Font | 1.01 | f | Loftus E. Becker |
| Artisto | 1.0 | s | Tom Taylor |
| Astronomy | 2.8 | c | E & M Software |
| Auto Dial | 1.5 | s | Scott Zimmerman |
| Autolog | 1.1 | s | Steve Fine |
| Aztec C | 1.06h | c+ | Manx |
| Back to Basics | 1.03 | c+ | Peachtree |
| Balance of Power | 1.03 | c | Mindscape |
| Banner | 1.0 | f | John Gregory |
| Basic compiler | 1.0a | c+ | Softworks |
| BatteryPak | 1.23 | c+ | Batteries Included |
| BinHex | 5.0 | s+ | Yves Lempereur |
| Boot Blocks | 1.1 | p | Apple |
| Boston Font II | 2.0 | s+ | Charles E. Maurer |
| B-Tree Helper | 1.4 | c | (M)agreeable |
| Bulk Mailer | 2.03 | c+ | Satori Software |
| Calendar Maker | 2.0 | s+ | CE Software |
| Captain Magneto | 7 | s | Al Evans |
| Canfield (solitaire) | 1.1 | f+ | |
| Champ. Boxing | 1.0 | c | Sierra |
| Choose Printer (use Chooser) | 1.5 | a | Apple |
| Chooser | 2.3 | a+ | Apple |
| ChipWits | 1.1 | c | BrainPower |
| Click Art:Effects | 1.0 | c+ | T/Maker |
| Click/On W'ksheet | 1.3 | c | T/Maker |
| ClipEdit DA | 1.2a | s+ | Mike Cohen |
| ColorChart | 1.3 | c | Esoft Enterprises |
| ColorMate | 2.1 | c+ | SoftStyle, Inc. |
| ColorPress | 1.0 | c+ | Diversions |
| ColorPrint | 2.01 | c | Esoft Enterprises |
| Comet Halley | 2.2 | c | Great Wave |
| Comic Works | 1.0 | c+ | Mindscape |
| Communique | 2.0 | | |
| Compact | 1.0 | p | Steve Brecher |
| ConCode | 1.3 | s | John Stokes III |
| ConcertWare+ | 3.1 | c+ | Great Wave |
| Copy II Mac | 5.4 | c+ | Central Point |
| Copy II HD | 5.4 | c+ | Central Point |
| Cricket Graph | 1.0B | c+ | Cricket Software |
| Crunch | 2.0 | c | Paladin |
| DA Key | 2.02 | s+ | Loftus Becker |
| DA Sampler | 1.1 | s | Kevin Hardman |
| Dark Castle | 1.0 | c+ | Silicon Beach |
| DataFlow | 0.0 | p | Gustavo Fernandez |
| Date Key | 2.0 | s+ | Loftus Becker |
| Day Keeper Cal'r | 1.55 | c+ | Dreams of Phoenix |
| dBase III Mac | β | c+ | Ashton-Tate |
| dCAD | 2.0 | c+ | Desktop CAD |
| Deluxe Music Const. Set | 1.0 | c+ | Electronic Arts |
| Desk Acc'y Mover | 1.4 | s | CE Software |
| Developers Tools | 1.0 | f | David W. Berry |
| Diatom | 1.0 | s | Capener |
| DiskInfo | 1.43 | s+ | Maitreya Design |
| Disk Librarian | 1.7 | s+ | Little Bit |
| Disk Ranger | 2.1 | c | Mainstay |
| DivJoin | 1.0 | a | Apple |
| Dollars & $ense | 1.4 | c+ | Monogram |
| DrawPaint | 1.0 | s | B. K. McGreggor |
| Dungeons of Doom | 4.0 | s+ | John Raymonds |
| Easy3D | 1.01 | c+ | Enabling Tech. |
| Edit (buggy) | 2.0d1 | a+ | Apple/Consulair |
| EG Word | 2.2 | c+ | Counterpoint Sys. |
| Enchanted Scepters | 1.0 | c | Silicon Beach |
| Enigma | 1.0 | s | Joe Sensendorf |
| Ensemble | 1.0 | c | Hayden/Spinnaker/ MacroMind |
| Epstart | 2.0 | c+ | SoftStyle |
| Excel | 1.00 | c+ | Microsoft |
| ExperLisp | 1.5 | c | ExperTelligence |
| ExperLogo | 1.1 | c | ExperTelligence |
| Extras | 1.5 | s | Bob Luce |
| Factfinder | 1.1 | c | Forethought |
| Fahrenheit 451 | 1.0 | c | Telarium |
| Fast Finder | 2.1 | c | Tardis |
| Fast Formatter | 2.1 | f+ | Beyond |
| Fedit MFS: | | | |
| ("public" shareware) | 3.1 | s+ | John Mitchell |
| (registered owners) | 3.6 | s+ | John Mitchell |
| Fedit Plus | 1.0.7 | c+ | JM/MacMaster Sys |
| File Convert | 1.0 | f | Galen Babcock |
| File Diddler | 1.0 | p | Scott Watson |
| Filemaker | 1.0 | c+ | Forethought |
| Filemaker Plus | 1.0 | c+ | Forethought |
| FileStripper | 2.0 | s | Jan Eugenides |
| Filevision | 1.0 | c+ | Telos |
| Finder (MFS-128K) | 4.1 | a+ | Apple |
| Finder (MFS-HFS) | 5.3 | a+# | Apple |
| 1st Base | 2.6 | c | Template Systems |
| FixHex | 1.0 | f | Carlos Weber |
| Flight Simulator | 1.0 | c+ | Microsoft |
| Fokker Tri-Plane | 1.0 | c | PBI Software |
| FolderMaker | 1.0 | s+ | Jan Eugenides |
| FONTastic | 2.7 | c+ | Altsys |
| Font/DA Mover | 3.2 | a+ | Apple |
| Font Display | 4.0 | s+ | Jeffrey Shulman |
| Font Doubler | 1.3 | p | William Pugh |
| Fontographer | 1.8 | c+ | Altsys |
| Fontsie | 1.51 | s+ | Loftus Becker |
| Forecast | 1.1 | c | Monogram |
| FreeTerm | 1.8 | p+ | Dreams of the Phoenix |
| Frogger | 1.0 | c | Sierra On-Line |
| Front Desk | 3.0 | c+ | Layered |
| Front End | 1.0 | c+ | Kaz Systems |
| Full Paint (non copy-protect) | 1.0 | c+ | Ann Arbor Softworks |
| Gato | 1.4 | c | Spectrum Holobyte |
| Ground Zero | 2.2 | c | General Computer |
| Habadex | 2.0 | c+ | Haba |
| Haba Word | 1.5b | c+ | Rosetta, Inc. |
| Hard Disk 20 | 1.1 | a+ | Apple |
| Hard Disk Partition | 1.0 | c+ | FWB Software |

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## Mac Versions, Cont.

| Prog Name | Ver | Code | Publ |
|---|---|---|---|
| Hard Disk Utility | 1.26 | c+ | FWB Software |
| Hard Save | 1B3.2 | | |
| Hayden:Speller | 1.2C | c | Hayden/Spinnaker/ MacroMind |
| Helix | 2.0r11 | c+ | Odesta |
| HFS Backup | 1.1 | c+ | PCPC |
| HFS Directory | 0.98 | s+ | Tom Shaw |
| HFS Locator Plus | 1.4 | c+ | PBI |
| Hold the Phone | 1.0 | | |
| Home Accountant | 1.03 | c | Arrays |
| Icon Collector | 1.1 | s | Softcom |
| Icon Exchanger (BootEdit) | 2.0 | s | John Holder |
| Icon Maker | 2.0 | s | Steve Fine |
| Index MacWrit | 86.02.10 | f+ | Scott Gillespie |
| Info+ (Init Rcsc) | 3.0b | s+ | James A. Finnigan |
| ImageW'r (128K) | 1.0 | a+ | Apple |
| ImageW'r (512K, +) | 2.3 | a+ | Apple |
| ImageW'r AppleTalk | 2.3 | a+ | Apple |
| Info+ DA | 2.0.1 | s+ | |
| Installer | 2.2 | a+ | Apple |
| Script:Ext.Drive | 1.0 | a+ | Apple |
| Script:Mac+Update | 1.1 | a++# | Apple |
| Interlace | 1.0 | c | Singular |
| InterMac Bumper Ships (IBS) | 2.0B4 | p+ | Harry Chesley |
| InTalk (inTouch) | 2.1 | c+ | Palantir |
| Jazz | 1A | c+# | Lotus Development |
| JClock | 1.0 | f | James Sulzen |
| JClock.31 | 3.1 | f+ | Edgar Matias |
| Jump Start | 1.0A3 | s | Karl B. Young |
| Just Text | 1.1 | c+ | Knowledge Eng. |
| Keyboard | 0.1 | f | Loftus Becker |
| Klondike | 2.1 | s+ | Michael Casteel |
| Laser Prep | 3.1 | a+ | Apple |
| LaserWriter | 3.1 | a+ | Apple |
| LAZlife | 2.0c | s | Larry Hutchinson |
| Legal Billing | 1.12 | c | Satori |
| Lib. Spell-Checker | 2.0D | c+ | DataPak Software |
| Life | 1.1 | p | David DeMars |
| Lightspeed C | 1.02 | c+ | Think |
| Lightspeed Pascal | 1.0 | c+ | Think |
| Lister | 1.1 | p | Jarvis/Bechtel |
| Localizer | 2.0 | a+ | Apple |
| Lode Runner | 1.0 | c | Broderbund |
| Logo | 1.0 | c | Microsoft |
| Mac2392 HP term | 2.8 | c+# | DPEX, Inc |
| Mac.68K Ass'r | 1.0A | s | Cyclan |
| MacASM | 2.0 | c | Mainstay |
| MacAttack | 1.4 | c | Miles Computing |
| MacAuthor | 1.2 | c+ | FLI/Icon Tech. |
| MacBackup (disc.) | 5.4 | c+ | Practical Computer |
| MacBanner | 4.0 | s+ | CE Software |
| MacBase | 1.0 | c | Eqtron |
| MacBasic | 1.0 | ? | Apple |
| MacBillboard | 4.01 | s+ | CE Software |
| MacBooster | | c | Mainstay |
| MacBottom 10 HD | 1.56 | c+ | PCPC |
| MacBottom 20 HD | 2.01 | c+ | PCPC |
| Mac C | 4.52 | c+ | Consulair |
| MacChallenger | | c | Aegis |
| Mac Dasher | 2.2 | c | Kaz Systems |
| Mac Disk Catalog II | 2.1.1 | c+ | New Canaan Microcode |
| MacDraw | 1.9 | a/c+ | Apple |
| MacDraft | 1.3 | c+ | Innovative |
| MacGAS | 1.0 | c+ | EnterSet |
| MacGolf | 2.0 | c+ | Practical Computer |
| Mac Hangul-III | 2.10 | s | Kong Keyboard |
| MacIndex | 1.0 | c | Boston Soft. Publ. |
| MacInHebrew | 2.0 | s+ | MIT Hillel Soc. |
| Macintalk | 1.1 | a+ | Apple |
| MacInTax | 1.0 | c+ | SoftView, Inc. |
| Macintosh Pascal | 2.0 | a/c+ | Apple |
| MacKermit | 0.8(34) | f+ | Columbia Univ. |
| MacLabeler | 2.2 | c | Ideaform |
| MacLightning | 2.0 | c+ | Target Software |
| MacLink | 1.14 | c | DataViz |
| MacManager | 1.00 | c | Harvard Associates |
| MacMate! | 1.0 | c | Devel. Assoc. |
| MacMeasure | 1.0a | | |
| MacModel | 4.3 | | Synoptics |
| MacModula 2 | 4.0 | c | Modula |
| MacMoney | 2.01 | c+ | Survivor |
| MacMusic | 0.1 | c | Utopian Software |
| MacNAPLPS | 1.4 | c | Electrohome |
| MacNosy V2 | 2.23 | c+ | Steve Jasik |
| Mac1Write | 1.0 | c+ | Sierra On-Line |
| MacPacket: | | | |
| KANterm | 1.1 | | Brincomm Tech. |
| TAPRterm | 1.1 | | Brincomm Tech. |
| TNC2term | 1.1A | | Brincomm Tech. |
| MacPaint | 1.5 | a/c+ | Apple |
| MacPalette | 1.0 | c+ | Microspot |
| MacPlaymate | 1.0 | c+ | Pegasus |
| Mac + ][ | 3.0 | c | Meacom |
| MPW | 1.0B2 | c+ | Apple |
| MacProject | 1.0 | a/c | Apple |
| Macproof | 2.0 | c+ | ALP Systems |
| MacPublisher II | 2.7 | c | Bost. Softw. Publ. |
| MacRecorder II | 2.2 | | Berkeley BMUG |
| MacroMind Utility Disk | 1.0 | c | Hayden/Spinnaker/ MacroMind |
| Macsbug | 5.1B3 | a+ | Apple |
| MacServe | 2.1 | c+ | Infosphere |
| MacSlots | 1.0 | c | Soft-Life |
| MacSpell+ | 1.1 | c | Creighton Devel. |
| Macspec | 1.3 | c+ | LM Software |
| MacSpin | 1.1 | c+ | D2 Software |
| MacSpool | 1.0 | c | Mainstay |
| MacTerminal | 2.0 | a/c+ | Apple |
| MacTest | 7.0 | | Apple |
| MacTools | 5.4 | c- | Central Point |
| MacTracks | 2.0 | c | Assimilation |
| MacVegas | 1.0 | c | Videx |
| MacVision | 1.1 | c | Koala |
| MacWait | 1.1 | f+ | Bob Finch |
| MacWrite (128K) | 2.2 | a/c | Apple |
| MacWrite (512K,+) | 4.5 | c+ | Apple |
| Mac Zap Copier | 4.1 | c+ | MicroAnalyst |
| Magic Digitizer | 1.2 | c | New Image Tech. |
| MailManager | 1.0 | c+ | SoftTech Microsystems |
| Mass Copier | 1.2 | s+ | CE Software |
| McAssembly | 4.4 | | Signature Software |
| McBUG | 1.1 | s | David McWherter |
| MCS | 1.0a | s+ | Yves Lempereur |
| MCS edit | 86.03.15 | p+ | Steve Bryan |
| MCS Editor DA | 1.0 | f+ | Pete Helme |
| MEdit | 1.4d20 | p+ | Matthias Aebi |
| MEdit doc | 1.4d3 | | Matthias Aebi |
| MegaFiler | c | | Megahaus |
| MegaForm | 2.0 | c | Megahaus |
| Megamax C | 2.1 | c+ | Megamax |
| MegaMerge | 3.0 | c | Megahaus |
| MegaTrack | 2.0 | c | Musicworks |
| MemTest | 1.7 | ? | Apple |
| Menu Clock | 1.1 | s | Mosaic Codes |
| MGM Station | 1.0 | c+ | Micro Cadcam |
| MicahManager | 1.55 | c+ | Micah |
| Micetro | 1.0 | c | Mainstay |
| Micro Earth Plot | 2.0 | p+ | Peirce/Gosnell |
| MicroPhone | 1.0 | c+ | Software Ventures |
| Micro Planner Plus | 1.1 | c+ | Micro Planning |
| MIDI Composer | 1.0 | c | Assimilation |
| MidiMac CZ Librarian | 2.01 | c+ | Opcode Systems |
| MidiMac Sequencer | 2.0 | c+ | Opcode Systems |
| MidiWorks | 1.0 | c | Musicworks |
| MiniAda | 1.0 | f | Andromeda |
| MiniWRITER | 1.0 | s+ | Maitreya |
| MITE | | | (no longer marketed) |
| MockChart | 1.0 | s+ | CE Software |
| MockPackage+ | 4.3.4 | s+ | CE Software |
| MockPrinter | 4.3.4 | s+ | CE Software |
| MockTerminal | 4.3.0 | s+ | CE Software |
| MockWrite | 4.3.4 | s+ | CE Software |
| MockUtilities | 1.0.2 | s+ | CE Software |
| MORE | 1.0 | c+# | Living Videotext |
| Mouse Exch. BBS | 4.1 | c+ | Dreams of the Phoenix |
| Mouse Exch.Term. | 1.3 | c+ | Dreams of the Phoenix |
| Mouse Stampede | 1.0 | c | Mark of the Unicorn |
| MS BASIC | 2.1 | c+ | Microsoft |
| MS Chart | 2.0 | c+ | Microsoft |
| MS File | 1.02 | c+ | Microsoft |
| MS Fortran | 2.2 | c+ | Microsoft |
| MS Word | 1.05 | c+ | Microsoft |
| MS Works | 1.0 | c+ | Microsoft |
| Multiplan | 1.1 | c+ | Microsoft |
| MultiWrite | n/a | c+ | MindWork |
| MusicWorks | 1.1 | c+ | Hayden/Spinnaker/ MacroMind |
| myDiskLabeler | 2.11 | c+ | Williams & Macias |
| N'cryptor | 1.0 | c | Mainstay |
| Namer, The | 2.2 | a++# | Apple |
| Neon | 1.5 | c | Kriya |
| NetCheck | 1.0 | a+ | Apple |
| Omnis III Plus | 3.21 | c+ | Blyth |
| Other... DA's | 2.01 | s+ | Loftus Becker |
| OverVUE | 2.0d | c+ | ProVue |
| PacPaint | 1.0 | c | Mainstay |
| PackIt II | 1.0 | s+ | Harry Chesley |
| PageMaker | 1.2 | c+ | Aldus |
| Paint Cutter | 1.0 | c+ | Silicon Beach |
| Paint Mover | 0.03 | p | Bill Atkinson |
| Paint Scroll | 1.0 | f | MacPoint |
| ParameterRAM 2 | 2.0 | s+ | Ken Winograd |
| Patch Disk | 1.0 | p | George Cossey |
| PC-MacBridge | 2.1 | c | Tangent Tech. |
| Pensate | 1.1 | c | Penguin |
| Performer | 1.0 | c | Mark of the Unicorn |
| pfs: file | A.03 | c | Software Publ'g |
| pfs: report | A.03 | c | Software Publ'g |
| Phoenix 3D - Level One | 1.0 | c+ | Dreams of the Phoenix |
| PictureBase | 1.1 | c+ | Symmetry |
| Power Cache | 1.9 | c | MacNifty |
| PowerMath | 1.0 | c | Brainpower |

| | | | |
|---|---|---|---|
| PosterMaker | 1.0 | c+ | Strider |
| Princeton Font (math) | 3.2L | s+ | Harvey Lam Princeton U. |
| ProCom-M | | c+ | Prometheus |
| Profess. Composer | 2.0 | c+ | Mark of the Unicorn |
| Quartet | 1.1 | c+ | Haba Systems |
| QUED | 1.5 | c+ | Paragon Courseware |
| Quest | | c | Penguin |
| Q&D Util. 1 | 1.6 | c | Dreams of the Phoenix |
| Q&D Util. 2 | 1.0 | c+ | Dreams of the Phoenix |
| Quickfile | 0.5 | f | Bill Steinberg |
| Quickset | 2.0 | c+ | EnterSet |
| Rags to Riches | 2.6 | c+ | Chang Labs |
| RamDisk + | 1.2 | s+ | Roger Bates |
| RamStart | 1.23 | f+ | George Nelson |
| RamStart | 2.1 | c+ | George Nelson |
| ReadMacWrite | 86.03.15 | s+ | Reed College |
| ReadySetGo | 2.1 | c | Manhattan Graphics |
| Record Holder | 2.1 | c+ | Software Discoveries |
| REdit | 1.2 | a | Apple |
| Red Ryder | 9.4 | s+ | FreeSoft |
| Red Ryder Host | 1.01 | s+ | FreeSoft |
| Redit | 1.2 | a+ | Apple/Europe |
| ResEdit | 1.0d11=1.0A1 | a+ | Apple |
| Right-Now (was NEXT/ MacAuthor) | n/a | c+ | T/Maker |
| Right Word, The | 3.0 | c+ | Rio Grande Softw. |
| Rogue | 1.0 | c | Epyx |
| Run for the Money | 1.0 | c | Scarborough |
| Sargon III | 1.0 | c | Hayden/ Spinnaker/ MacroMind |
| Screen Edit | 1.0 | f | George Cossey |
| Screen Maker | 1.0 | f | Bill Steinberg |
| Scriptor | 1.4 | | Screenplay |
| Scroll Paint | 1.0 | f | Roy Harvey |
| Search & Destroy | 10/84 | f | Daniel Stavnicky |
| Servant (128K ROM only) | 0.79 | c+ | Andy Hertzfeld |
| SetFile | 3.3 | s+ | Sam Roberts/BMUG |
| SetSound | 1.3 | f | Steinberg/Brecher |
| SideKick | 1.10B | c+ | Borland |
| Silicon Press | 1.1 | c+ | Silicon Beach |
| SkipFinder | 6.1 | s+ | Darin Adler |
| Slide Show Magician | 1.3 | c | Magnum |
| Smartcom II | 2.2B | c+ | Hayes |
| Sony Test | 4/85 | ? | Apple |
| SoundCap | 1.0 | c | MacNifty |
| Sound Level | 1.3 | f | Steinberg/Brecher |
| Speed Disk | 2.0 | ? | Apple |
| SpellNow | 1.0 | c | Mainstay |
| Spellswell | 1.2d | c+ | Greene, Johnson |
| Star League Baseball | 1.0 | c | Gamestar |
| StatView 512+ | 1.0 | c | Brainpower |
| StatWorks | 1.2 | c+ | Cricket |
| STELLA | 1.1 | c+ | High-Performance |
| Strategic Conquest | | c | PBI Software |
| Studio Session | 1.0 | c | MacNifty |
| SuperCopy | 1.1 | s | Ron Gibb |
| SuperPaint | β | c+ | Silicon Beach |
| Switcher | 5.0B4 | a/c+ | Apple |
| System (MFS-128K) | 2.0 | a+ | Apple |
| System: | 3.2 | a+ | Apple |
| Chooser | 2.3 | a+ | |
| Control Panel | 2.0 | a+ | |
| TabUtil | 1.1 | | Chet J. Graham |
| Telescape | 1.0 | c | Mainstay |
| Tempo | 1.1 | c+ | Affinity |
| TermWorks | 1.29 | s+ | Horizon |
| The Namer | 2.2 | a+# | Apple |
| Think Tank 128 | 1.1 | c | Living Videotext |
| ThinkTank 512 | 1.3 | c | Living Videotext |
| Three-D Edit | 1.5 | s | Colin Olson |
| Through the Looking Glass | 1.0 | c | Apple |
| Throw Paint | 1.0 | f | Strider |
| Thunderscan | 3.2 | c | ThunderWare |
| TimeBase | | | (no longer marketed) |
| TinCan | 2.0b | c+ | Yale University |
| TK!Solver | | | (no longer marketed) |
| TML Pascal | 2.0 | c+ | TML Systems |
| TMON | 2.585 | c | TMQ Software |
| Top Desk | 1.4 | c+ | Cortland |
| Transylvania | 1.0 | c | Pengiun |
| TurboCharger | 2.0 | c+ | Nevins |
| TurboDownload | 1.0 | c | Mainstay |
| Twelve-C Financial DA | 1.2 | c+ | Dreams of the Phoenix |
| Typemasters | 1.0 | c | Adobe Systems |
| TypeNow | 1.0 | c | Mainstay |
| Typing Tutor III | 1.1 | c | Simon & Schuster |
| Uninvited | 1.0 | c+ | Mindscape |
| Utilities | 0.18 | s- | Gil Beecher |
| Vco | 1.3 | s+ | Harry Chesley |
| VersaTerm | 2.1 | c+ | Peripherals, Supplies |
| Version Checker | 1.2 | f+ | Daniel Stavnicky |
| ViewPaint | 1.1 | s | Steve Dagley |
| Videoworks | 1.1 | c+ | Hayden/Spinnaker/ MacroMind |
| VMacS (was MACSnVAX) | 4.2 | c | White Pine |
| VMCO | 1.5c | f+ | Bob Perez |
| VMCO DA | 2.0 | f+ | Bob Perez |
| VUWTerm | 0.17 | f | U.of Wellington |
| Wator | - | s | Robert Martin |
| Waystation | 2.6 | f+ | Steve Brecher |
| WillWriter | 1.0 | c+ | Nolo Press |
| World Builder | 1.0 | c+ | Silicon Beach |
| Word Count | 3.0 | f+ | Steven Martin |
| Word Handler | 1.1 | c+ | ALS Systems |
| WriteNow (was NEXT/ MacAuthor) | n/a | c+ | T/Maker |
| XLisp | 1.6 | p | David Betz |
| Xyphus | 1.0 | c | Penguin |
| Yapu | 3.2 | f+ | A. O'Brien/D.Sachs |

**See Mac-related announcements on Page 4!**

## MacSIG:ntu Oct., Concluded

allow the connection of non-Mac computers into the network and the sharing of data from previously "incompatible" systems.

The larger drives from Mirror also show a speed increase in the flow of data in and out of the computer. Switching programs comes at speeds that must not be too far below the speed of RAM based systems... certainly not much more time for you to do much more than take a deep breath. However, you will sacrifice portability with these large capacity units. Some of the smaller would qualify as "luggable", but the larger are heria inducers.

After a final round of questions about the Mirror products, Dave Stovall treated us to a look at another stage in the development of **"Servant"**, proported to be a replacement for **"Finder"** that will offer several functional improvements. "Servant" is being written by *Andy Hertzfeld*, who worked on the original Mac team. This product is touted as faster than "Finder" and accessible from within applications. It will combine some aspects of **"ResEdit"**, allowing you to modify icons without the need of a separate program.

## Thank you!

Apple loaned the **Limelight** projector to the MacSIG:ntu for this evening's presentation. The Club is most appreciative of this type of cooperation that has been provided several times by the local office of Apple Computer.

More bytes later..... TWE

### MacSIGs:

**Mini'app'les MacSIGs meet (usually) on the 2nd and 4th Monday of each month (see Calendar on front cover).**

**Nov 3rd and 24th we meet in the Edina Community Center. Dec 1st and 15th, we return to the Southdale Library!**

# Minutes

*by Janelle Tryggestad, Secretary*

## Mini'app'les Board of Directors July 2, 1986

The meeting was called to order at 7:41 p.m. with 8 members present. Those present were Tom Alexander, Ann Bell, Steve George, Dick Marchiafava, Dick Peterson, John Hook, David Laden and Janelle Norris.

1. The secretary's minutes from the 6/4/86 meeting were read and approved.

2. The treasurer's report was read and approved. We had income in the amount of $1600 last month and expenses of $2345.

A question was raised about liability and equipment insurance for the club. No record of this was available to board members on the current treasurer's report. Tom Alexander will go back and look for this information.

**Old Business**

3. Appleworks, 512 K Memory Card

Ann mentioned that the numbers on the newsletter labels were no longer necessary. At this time can Appleworks be used to maintain the club's mailing list

Requirements for this would be a 512K card for the club's use and a copy of the Appleworks program. Dick Marchiafava mentioned that Checkmate has offered the club a memory card for $100 with the option of a $25 rebate if the card is reviewed and written up in the newsletter. If we are dissatisfied with the card, they will buy it back.

Discussion on this followed. A motion was made and approved that we purchase the Checkmate card, update it to 512K, write a review and get the rebate offered by Checkmate.

Dick Marchiafava will follow up with Checkmate regarding the purchase of the card and the subsequent updating and written review.

Another motion was made and approved that we buy a copy of the Appleworks program, total cost not to exceed $250, for use by the membership coordinator and the newsletter staff. Prior to purchasing a copy of this program, we should write to the local Apple office and ask if we can get a copy of Appleworks for club use. It was suggested that Tom Edwards follow up on this.

4. Membership Forms

Question was again raised about the response to color coded membership forms. Tracking has been poor and the forms have not been used as intended. Janelle Norris will tabulate by month, the number of members, and the statistics for each color form received.

Jim Ruprecht should be called and asked about the colors used, the number of each printed and the intended use.

Before membership forms are printed again, we will make an effort to implement the color coding scheme to track sources of new members. At the present time we will continue to use the old forms.

5. Club Office Site

No action has been taken to date on finding a club office. This will be investigated in the future. Suggestion was made that we have the office staffed in the evenings and on Saturdays with volunteer staff.

6. Tom Androff's $900 bill for tax preparation

The club has at this point refused to pay the $900 bill submitted by Tom Androff for preparation of taxes. The reason for this is, Tom was put on notice that a deadline must be met and he failed to meet this deadline. John Hansen is familiar with the events regarding the work done. It was decided that we would contact John Hansen and find out what happened. Then, report back to the board and make a final decision at that time.

7. IRS Tax Exempt Status

The Federal government requested further information regarding our application for tax free status. This consisted of general questions about the club. This reply was due by 7/7/86. Tom Alexander drafted the necessary letter and sent it on to the IRS.

8. Bonding of Signatories

The cost of a commercial blanket bond will be $160 from Norwest Agency. This would cover all 3 signatories required for check issuance.

A motion was made and approved that the ratified by-laws be published in the newsletter as a notice of ratification of the by-laws. In addition we go ahead and implement the changes of those by-laws including obtaining the commercial blanket bond mentioned above.

9. Hard Drive & Modem for Bulletin Board

Chase Allen is still checking prices on hard drives and modems. He indicated that the cost will exceed the money approved. It was suggested that the equipment be chosen and a request for any additional money be submitted to the board. Dick Marchiafava will work with Chase on choosing equipment.

10. State of Minnesota's request for Handicap User

The State of Minnesota was notified that we had a machine available for their use, but they have not gotten back to us. It has been 30 days since we notified them.

11. Search for a new Treasurer

Bob French was contacted by both Dick Marchiafava and Chase Allen, but at this time he has not given us an answer.

12. By-Laws

A motion was made and approved that the by-laws should be published in their entirety in the newsletter, included in the membership kit and copies be given to all board members immediately. David Laden will take responsibility for this.

13. Midwest Apple User's Group Conference, July 19-20

Motion was made and approved that Dan Buchler and David Laden be appointed representatives to the Chicago Midwest Apple User's Group Conference and the individual registration fee of $60 be paid for each of them.

## Minutes Continued

### Mini'app'les Board of Directors July 2, 1986 (Continued)

14. Past President's Gavel

David Laden was presented with his gavel for service rendered to the Club as president for the previous 2 years.

15. Use of the Bulletin Board

Kent Edwards and anyone else on Dan Buchler's newsletter staff has the approval of the board to use the Bulletin Board as needed for newsletter preparation.

16. Budgets

Budgets for the coming year were worked on at this meeting and will be available at a later date.

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### Board of Directors Aug 6, 1986

The meeting was called to order at 7:11 p.m. with 12 members present. Those present were Steve George, Dick Marchiafava, Chase Allen, Ann Bell, Tom Alexander, David Laden, Dan Buchler, Ed Spitler, Dick Peterson, John Hook, Jerry Kaufmann and Janelle Norris.

1. The secretary's minutes from the 7/2/86 meeting were read and approved.

2. No treasurer's report was available.

3. The budget for the current year was finalized at this meeting. A copy of the final budget will be sent to all board members during the next month.

4. Membership dues were discussed and various solutions suggested to help our declining renewal rate, but no final decisions were made. This subject was tabled until a future meeting.

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### Board of Directors September 3, 1986

The meeting was called to order at 7:05 p.m. with 10 members present. Those present were Ann Bell, Steve George, Dick Marchiafava, Dan Buchler, David Laden, Ed Spitler, Dick Peterson, John Hook, Jere Kaufmann and Janelle Norris.

#### Old Business

1. Super serial card was purchased for the bulletin board system for a total of $5 at one of the recent computer sales.

2. A letter was sent to Multitech asking them for a modem for the club's bulletin board and one was sent to us free. Unfortunately it was defective and had to be returned. We are waiting for this to be returned.

3. Motion was made and passed that effective immediately individuals who let their membership expire may renew with no administration fee.

#### New Business

4. After some discussion about meeting time, it was decided that the Board meeting will continue to be held at 7:00 p.m. on the first Wednesday of the Month.

5. A replacement is being sought for Technical Director. At the present time Earl Benser has volunteered to fill this position. It was also suggested that a Mac group member be recruited for this position. No action was taken on filling this position at the present time.

6. After the full membership list is printed in the newsletter, as new members are added, they will be reported monthly in the newsletter. The information reported will be name, home phone and zip code.

7. A maintenance contract for the Apple II has come up for renewal. It was suggested that we not renew this contract. This will be looked into and reported back to the board.

8. A motion was made and approved to pay A-1 Printers the sum of $162.18. This bill exceeds the president's budget and special board approval was needed.

9. Tom Androff's bill has not been paid to date. Calls should be made regarding this bill immediately and all communication should be in writing.

10. A letter was received from the IRS on August 25, 1986 regarding our request for Tax Exempt Status. The matter has been referred to their Washington, D.C. office and we will hear in due government time.

11. Following a discussion of the Apple equipment owned by the club and its availability to its members, the following guidelines will be implemented regarding the use of club equipment.

    a. Any board member, staff member, branch or SIG can request the use of the equipment.

    b. A sign out form will be implemented to track who has given equipment, when it will be returned and what it is being used for.

    c. John Hook has been given the board's approval to take any action necessary to follow up on these guidelines.

12. The meeting was adjourned at 9:03 p.m.

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**Do YOU want to get involved with some interesting people. Mini'app'les is looking for volunteers for Board members. The jobs take a little time, but the awards are very satisfying.**

**Call Ann Bell!**

# Classified Advertisements

## Get DOMs on your own disks!

Mini'app'les Members can order the DOMS listed below (**not** Mini'app'les Software or MacDOMS) using their own disks. To assure delivery you must follow this procedure:

1) Select the disk(s) you want from the list below and label your blank disks (some prefer to use both sides).
2) Insert disks in a returnable mailer. The same protective device will be used to return your disks.
3) Enclose return postage, **stamps only**, obviously the same as the sending postage.
4) Enclose a self addressed return address label.
5) Enclose a $1.00 copying fee for each DOM requested.
6) Send to:
C. Thiesfeld
8416 Xerxes Avenue S.
Bloomington, MN 55431
7) Allow 60 days for delivery in USA. Incomplete packages will not be returned.

**Currently available DOMs:**
(address general questions about DOMs to the Software Director, Steve George).
Mini'app'les DOMs #1 thru #34
Mini'app'les DOMs #35 thru #40
IAC DOMs #28,#35,#38
IAC DOMs #40 thru #44
IAC DOMs #46,#48a,#48b
IAC DOMs #51 thru #57
**Personal Domain Disks**
LOGO Documentation
LOGO Toolkit
LOGO Sample Programs
One-key DOS
Disk Manager
"Nifty Works"
ELF ABC
SPARKEE(fire organ album)
Class Records
Hi-Res Doodle
**Others**
Math Invaders
The Font Machine
Master Chart
EVE(terminal Program)
Squire
Print Shop Utility
**EAMON**
E3 Eamon Submaster
E4 Cave of the Mind
E5 Zyphur Riverventure
E6 Castle of Doom
**UCSD PASCAL**
P1: PASEX1:
P2: DARYL1:
P3: PROSE:
P4: COMPUTE:
P5: ATTACH:
P6: PUG1:
P7: PMU:
P8: PROSTXT:
**"F83X" Forth**
"U" Utility
"K" Kernel

Mousewrite, $50 - latest version (still in unopened shrink wrap) with spell check, dictionary, mail-merge and communications program. Thinkworks (Appleworks compatible outlining program) $25. Profiler database, $25. Beagle Bros GPLE and Double-Take (DOS and ProDOS), $10 each, both $15. Mousetracer graphic input device, $15. Also Apple brand //c Composite Color Monitor (works on //e, too) $100.
Marc 482-8924 (eves)

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COMREX Dual Drive & Control Card for Apple ][‘s, $175. Printer for Commadore, $80. 6 Pen Plotter for Model TRS-80 Tandy. All Items are new in box.
Ron 477-4505

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Memory upgrades for Mac's.
John 572-1720 (eves)
593-2894 (days)

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Digital Research Gold Card, 192K banked, CPM software, T-maker, Perfect Series; $250.
Chuck 941-8769

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Want to meet new people? Learn more about the business of Apples? Help your club? Get into the ad game today! Contact Eric, Advertising Coordinator for Mini'app'les for more information.
Eric 822-8528

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Apple //e System. 128K 80 column card, CPM card, 2 drives, DMP, numeric keypad, joystick, system saver fan, much software. Excellant condition, used 9 months.
Glenn 888-7089 (eves)
853-6412 (days)

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Seldom used Apple ][+, 64K, with Videx Compatible 80 col. card & upper/lower case chip, w/o peripherals. $395, best offer.
Call 374-5134

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Rags to Riches Software, professional billing program; $100 - never used.
Don Nichols (612) 338-1919

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WANTED: Apple ][+, with or without peripherals. Need serial card, printer, monitor, drive, modem, 80 column card, etc.
Don 341-4333 (days)
927-9263 (eves)

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Apple Color 100 RGB Monitor, $200; with Apple 64K 80 col RGB card, $250. Apple 5 meg Profile with Apple ][ or //e interface card, $250. Apple Disk ][ 5 1/4" Drive, $60. Micro Sci A2 (same as Disk ][), $60. Apple Disk ][ Controller Card, $10. Apple Imagewriter I Printer with Cable, $200; with Apple Super Serial Card, $250. Apple Super Serial Card, $50. super Serial to Imagewriter // cable, $10. Slot 3 Clockcard, $45.
Terry 455-5222 (after 4 PM)

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Apple ///, monitor, external drive. Mint Condition, less than 100 hours use. Software includes VisiCalc, Applewriter /// and more, with all documentation. Make offer.
Jim 484-5772 (eves)
854-1601 (days)

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18 issues "Micro" Magazine, April, 1979 thru January, 1981. Make Offer
Dan 890-5051

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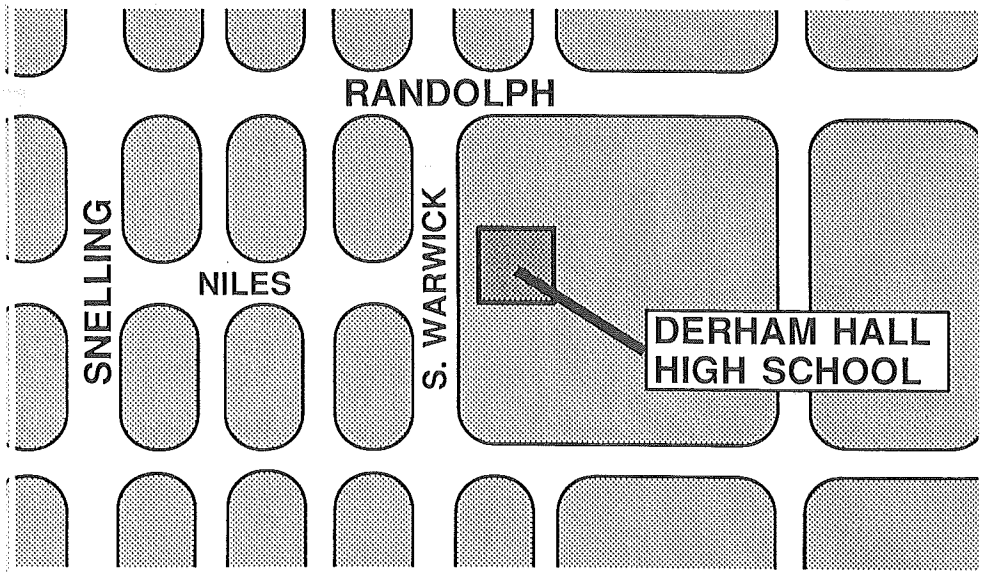
These ads are provided free to members for non-commercial use, and are limited to 10 lines. Commercial ads will be charged at 20 cents/word for members or 40 cents/word for non-members. Contact the Advertising coordinator.
**DEADLINE** for ads is the second Friday of the month preceding the month of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

## Mini'app'les Apple II SIG Meeting



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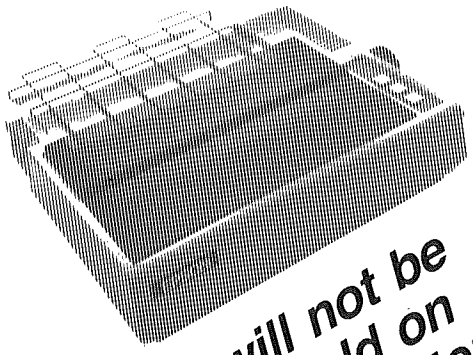

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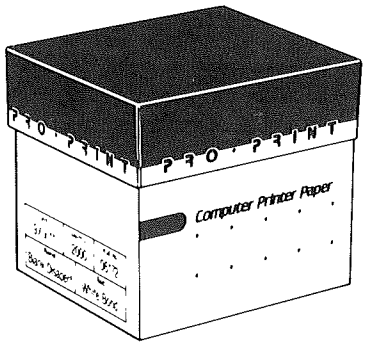


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