

# DuPage Apple Users Group



## NEWSLETTER

January 1987

### JANUARY MEETING

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When: 7:30 PM, JANUARY 13, 1987

Where: Lincoln Center  
935 Maple Ave  
Downers Grove, Ill

Topic: \*\*OPERATING SYSTEMS\*\*  
DOS/PRODOS/ CPM

7:30-7:40 Opening remarks  
7:40-7:55 Demo of Current DOM  
7:55-8:30 OPERATING SYSTEMS  
8:30-8:45 Break & Novice Server  
8:45-9:30 OPERATING SYSTEMS  
Q & A WHY THE DIFFERENCE

### Other Dates to Remember

Jan 13: Regular meeting- Operating Systems  
21: Board Meeting (7PM, Downers Grove Library)  
27: Appleworks Sig (7PM, Wood Dale Library)  
Feb 10: Regular meeting- Member MONTH  
18: Board Meeting (7PM, Downers Grove Library)  
24: Appleworks Sig (7PM, Wood Dale Library)  
Mar 10: ANNUAL AUCTION  
18: Board Meeting (7PM, Downers Grove Library)  
24: Appleworks Sig (7PM, Wood Dale Library)

### OFFICERS

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	Ralph Stein	985-7850

...from the Presidents corner...

Happy Birthday Apple! That's right, Apple is 10 years old this month. Think back, how long have you owned an Apple?

Well, we've survived another year. Not only did we give away a Sider 10 MB hard disk, we have a chance at getting a IIGS given to the club. That's right. Apple and its dealer network are working a deal whereby if a dealer visits an Apple club (to promote the dealership and to showoff the GS) our names get entered in a contest for a GS to be given. That's why Farnsworth Computer was at our November meeting. Let's hope we can be as lucky with Apple as we were with the Sider folks.

What's new for this year? Here our some of the events that are being planned for this year. The January meeting is on the differences between ProDOS (1.0, 1.1.1, 1.2, 8, and 16) and "old" DOS 3.3 (Apples' version and the speedup modifications). Other topics include, What am I doing with my Apple. (If you are doing something interesting with the Apple, please let any of your officers know, otherwise we will just call on you from the floor.) We are working on getting a representative from Illinois Bell in to explain how the new phone rate structure will affect us as computer/modem users. We've also got our 3rd (I think) annual auction coming up. A presentation by Broderbund Software hopefully demonstrating their new GS software. Memory cards and EMAIL are also listed as future topics. We also have elections coming up. With 3 new positions being opened on the board, we are going to be needing more bodies. Think about what position you would reatoly be interested in, then be prepared to be "volunteered". (With your permission, of course.) Somewhere along the line, we would like to get a meeting about tax programs for the Apple again this year. If you have used one, or can recommend someone to come in and demonstrate one, a dealer, an author, your tax preparer, once again let our of us know.

That's it for this month. Once again, Happy Birthday to our mentor: Apple Computer.

Ed Danley

CONTINUED FROM LAST MONTH

## INSIDE THE APPLE II GS

by Neil Shapiro

Hold onto your eyeballs: Here comes SUPER-RES graphics!

There are two forms of Super-Res graphics; 320 Super-Res and 640 Super-Res. The 320 Super-Res offers a resolution of 320 by 200 pixels (horizontal by vertical) and 640 Super-Res is 640 by 200. Unlike the Macintosh, this is not a bit-mapped screen. It is a pixel-mapped screen in that each dot on the display corresponds to a pixel and pixels are indivisible.

In the 320 mode each pixel is referenced by 4 memory bits. In the 640 mode each pixel is composed of 2 bits. Pixel values select colors from color tables which are programmable and which are referred to as palettes. A palette is sixteen entries of 12-bits each specifying one of 4,096 possible colors. Because of this arrangement the 320 mode color selection is easy in that each pixel can select any of the 16 colors in a palette.

But things get more complicated in 640 Super-Res. There are 2 bits associated with each pixel so each byte can reference four pixels which are side-by-side on the display. Each sixteen color palette (a palette more or less being whatever colors are defined as available for that line of pixels) has to be further subdivided into four groups of four colors each. The first four pixels in a line of such may select colors from group 1, the second four from group 2 and so forth. This process repeats every sixteen pixels. Because of a process called dithering (remember how the older Apple II programs could achieve dozens of colors by mixing colors in adjacent pixels?) 640 Super-Res can display 16-color graphics on the same screen with 80-column text.

As there may be 16 palettes in use at the same time, with 200 columns of pixels able to use any of the palettes there may be, in either Super-Res mode, a maximum of 256 colors on screen at the same time.

### SOUNDS LIKE TUMUKKUM

The gs' graphics and sound. The Super-Res graphics are well matched by the super sound possibilities of the new machine thanks to Apple's taking a unique step in licensing a chip technology from an established musical instrument company.

The Digital Oscillator Chip (DOC) is made by the Ensoniq Corporation. The Ensoniq people make many of the chips used in some of the most powerful digital synthesizers in the music world. The DOC contains 32 oscillators each of which can generate its own signal by stepping through a table of digitized sound samples. Because one of the oscillators is used as a timer for the DOC, and because each "voice" takes a maximum of two oscillators, the Apple IIgs specifications say that the digitally synthesized sound can have up to 15 voices.

One of the most exciting aspects of the new Apple IIgs is that not only did Apple build a digital synthesizer into this new machine, it built into it a synthesizer with what musicians call "sampling" ability. Within the DOC is a single analog-to-digital conversion circuit. It is there so that an audio signal could be input into the DOC from the outside world. These inputs (called samples) can they be played back by the oscillators.

In layman's terms this means that you can record such things as pots and pans falling, sounds of other instruments, even a human voice and then play it back from within your composition. It would also be possible to manipulate the various musical parameters of such recorded sounds so as to synthesize new sounds from them. The possibilities are limitless.

The only thing that Apple seems to have left out of the actual case is a MIDI interface. MIDI (Musical Instrument Digital Interface) is the music industry's standard method for connecting electronic instruments. It seems likely that one of the first add-ons we are likely to see for this computer will be such a MIDI interface. At that point we would expect the Apple IIgs to become the world's foremost personal computer for music.

### INS AND OUTPUTS

There are seven I/O expansion slots on the Apple IIgs's motherboard. These function in much the same manner as the expansion slots on the IIe. With the exception of differences in the way that the Inhibit and Sync lines work (which is beyond the scope of this article) the slots may be said to be identical to those in the earlier machines.

One difference, however, is that the Apple IIgs uses a technique called "shadowing" in order to keep full hardware compatibility with the world of the Apple II. The slots in the gs happen to use memory located in bank \$E0 (hexadecimal numbering). But old-style Apple programs want to see the cards read and write to banks \$00-01. Shadowing copies all reads and writes from bank \$00 to bank \$E0.

The two serial ports on the IIgs can substitute for slots 1 and 2. The desk accessory Control Panel allows the user to configure these ports to his or her own needs. Un default, serial port #1 is considered to be connected to a printer while serial port #2 is devoted to a modem. The firmware for each port roughly equates to that of Apple's own Super Serial Card (SSC). And, either port may be configured for AppleLink.

Unfortunately for us modem users, present telecommunications programs are among the least compatible of programs for the IIgs. This is because many, perhaps most, of these programs make calls directly to the SSC or other hardware card. This means that these programs crash on the Apple IIgs if you use the built-in port with its different call locations.

However, this problem only occurs when using the built-in modem port. If you plug a normal SSC card into slots 1 or 2 of the Apple IIgs then any of the popular Apple terminal programs will work (we tested "AT Pro," "Vidtex" and "Access II").

It will, obviously, be only a matter of time until all the terminal program manufacturers reconfigure their products so as to take full advantage of the Apple IIgs.

Meanwhile, even if you do not have an extra SSC card (perhaps you were a IIc owner) you will still be able to telecommunicate with your Apple IIgs thanks to a built-in terminal emulation program which does recognize the built-in serial port. The built-in terminal emulation uses a control-character command set that is reminiscent of the command set used in native mode by the Hayes Micromodem II. While the command set is minimal, it will get you online.

But, for the beginning of telecommunications with the Apple IIgs, we think that you will have to count on having an external modem and a Super Serial Card for any sort of work more complicated than reading and typing online.

The built-in serial ports do go beyond the Super Serial Card in sophistication and offer features for future programs to use. Both input and output buffering is supported. The default size of these buffers is 128K but an application can set its own limits.

The serial port also supports spooling or background printing. Large chunks of information can be sent out the serial port while an application is running.

The built-in disk drive port is based on the IWM chip. This stands for Integrated Woz Machine and is, basically, an Apple II disk controller card with all of the electronics reduced to one device. In most respects it is identical to the disk port on the Apple IIc. Its firmware considers the drives connected to it (in a daisy-chain fashion) to be plugged into slots 3 or 6.

SmartPort helps keep track of these various ports: SmartPort is in ROM and its routines allow applications to obtain information about the status of a device connected to a port; to reset a device; to read or write to a device as well as format the medium; and to send control signals to the device.

The same I/O is identical to the Apple IIe. There is a 16-pin DIP socket on the motherboard (as on the older II and II+ machines) and a 4-pin connector on the back panel. Both share the same signals of four inputs (for joystick or paddles), three button inputs, power and ground and the 16-pin DIP socket also has four single-bit outputs and a strobe bit.

The Apple Desktop Bus is a serial interface (not considered an I/O port) whose function is to connect the keyboard and the mouse to the system bus. The Apple Desktop Bus was designed with the expectation that there will be such

### STAR PRINTER PROBLEM

Apple is somewhat concerned with the legal implications possible with allowing clubs to supply "Prodos" and "Basic.System" files on their club disks. This practice is therefore being halted as a direct request of Apple. In the future you will have to add Prodos and Basic.System to your own Daug DOM or Special Disks. Most of our members have at least one Prodos disk. These files are included on all Prodos Disks.

The procedure can be accomplished with the "Filer" or "CopyIIplus" or most any Prodos copy program. You must have your Prodos User Disk or any other prodos disk, and the Daug DOM which you need to transfer the files to, and your CopyIIplus disk if that is the program which you will use to copy the two files with.

#### Use "Filer":

Boot Filer and choose F for Filer  
choose F for File Commands  
choose C for Copy Files  
You must supply the from and to path names.  
copy /users.disk/prodos  
to /daugxxx/prodos

Repeat procedure substituting basic.system for prodos and you are done.

#### Use "CopyIIplus" (easier and quicker):

Boot CopyIIplus and select copy from Main-Menu  
select files from Mini-Menu  
select source slot and drive (most cases  
6,1) and <return>  
select target slot and drive (most cases  
6,2) and <return>  
Highlight Prodos <return>  
Highlight Basic.System <return>  
Type g..the copy will run and both files  
will be on your Daug volume.

### HARDWARE HEAVEN

peripherals as hand controls and graphic tablets which will be able to connect to this bus in a daisy chain fashion.

The mouse is more similar to the mouse on the Mousecard IIe than to the mouse on the IIc. It contains a microcontroller than can track the mouse's movements to plus or minus 63 increments. The Desktop Bus firmware supporting the mouse works pretty much like the Apple IIe Mousecard in that it has a passive mode which means the Apple IIgs can run non-interruptable software routines (such as timing loops) while still controlling the mouse.

All in all, Apple has turned in a product that seems both an original use and modification to existing technologies as well as being a stunning collection of new technologies utilized in unique and well-designed methods.

This is not a machine that will be outmoded anytime soon.

If you have Appleworks Ver 2.0 and are using a STAR printer Gemini 10X you have a problem which did not appear in earlier versions of the program. The new version will not accept "control @" as a command code for your printer. This command and escape is used for starting "Superscript" and ending "Underlining".

A phone call to the tech support people for Star failed to provide the complete solution to the problem. They said that "zero" "0" could be used since this was the same as "control @" however this failed to work but provided a lead. I found out that "escape @" a program reset command worked to end underlining but would not work to start "Superscript". A further phone call to STAR resulted in no further help at this time since the tech who works on Appleworks problems was not available till next week. If you have any ideas give me a call and we can try it out. If the Star tech support gives me an answer I will report it next month.

Don Smith

### SPECIAL OFFER

Do you need extra memory since you didn't win the HARD SIDER?? Have some money left over from buying tickets or from Santa well the club has a deal for you. The Checkmate Technology people have set up a special Apple User Group price on its line of memory cards. The prices are listed below and are a good discount from the list price on the cards, however we need to order five (5) cards at a time to get this special price. See Don Smith at the meeting or call him (629-5033) for more information.

Multiram RGB 256K	List \$259.95	Club \$175.95
Multiram IIe 256K	209.95	140.95
Multiram CX 256K	199.95	145.95
extra 256K memory		30.00

WANTED: BACK ISSUES OF APPLE RELATED MAGAZINES (E.G. SOFTALK, INCIDER, NIBBLE, ETC.) --CALL JOHN PENDERY 325-1564

## MULTIRAM RGB

I finally managed to get the memory on my Apple IIE that will not give me that "out of desk top message" that I was seeing all to often in writing this newsletter. The CHECKMATE Technology people made a special offer to the club to try the line up of memory cards that they offer at a special low price.

Since, I had been saving up for a memory card for some time this offer came at a find time just before that big day. I ordered my card along with several others from a very friendly young lady named Leti thru their toll free order number. My card was ordered with 1 meg on the board. The shipment was made on the same day that the order was placed which just shows that some manufactures do stock what they sell and you don't have to wait.

The cards all arrived in a large shipping box, I thought they had shipped the wrong order from the size of the box. But only the order expected was inside along with the extra memory that was ordered in plastic sleeves. The latest software update to the memory board was included version 5.0. This allows for the new Appleworks Ver 2.0 to be used with the card.

Included along with RGB card were two manuals to be used with the set up and operations of the card. The first manual was a preliminary manual for the RGB card and a manual update for this manual (ie before they finished the manual they had an update). I think that they could have easily put it in a small three ring binder and given a better appearance. This manual told you how to install the extra chips and install the card in the computer. It also described how to test and troubleshoot any problems on the card. The balance of the manual contained information which I am sure is of interest to some programers etc. but which left me shaking my head.

The last two chapters advise about the warranty on the card and how to return it for service if needed. The warranty is for a full five years on the card and on the ram supplied by them. You can also extend this period for an additional five years for \$25.00. A special feature of the warranty is that you can transfer the remaining life to a new owner for a ten dollar charge (provided the original owner registered with the company).

I installed my extra memory so that my card had a full 1 meg on it, if you have not installed chips before watch out that all of the legs are in the socket holes. The card was installed with no problems and the reverse side on the software disk which contains all of the utilities was used. Luck was with me and all of ram I installed proved to be good. I know that the tech's install chips all the time and don't think any thing of doing it, but for me getting a good reading the first time was great.

The second manual which is used by all of the cards explains how to use the card to expand Appleworks, most likely the biggest single reason for the purchase of the card. In addition it shows how to set up the card for both a PRODOS RAM and DOS RAM card, ie loading multiple programs into memory at the same time and switching between these programs. This manual has a one page revision to cover the revision 5 to the software. Other changes which are not covered are that you no longer have the ability to load the three overlays individually but they are all now loaded in 30 seconds instead of 2 minutes. In addition the view clock option is now on the help screen. One of the major changes in revision 5 is that small files less than 136K are no longer split up into two files when more than half of the disk is used by other files. This was caused by the way appleworks saves files on a disk.

The major change you notice when you boot the Appleworks disk now is an added menu page asking if you want to start appleworks or change the data base limits, default is 500 but you can have 23000 with a small loss in desktop up to 4000 records. If you elect to start Appleworks the normal screen appears and shows a desktop of 758K and the day /date /time if you have a clock card. The effect of being able to work without having to worry about desktop plus having the whole program in memory speeds what you want to use the program for, in this case the newsletter.

The expanded Appleworks disk can be further improved with any of the accessory programs, Autoworks, Macroworks, Pinpoint, Jeeves. In general you use the accessory program after you have made the expanded disk to make a preboot change to use the program. In my case I installed Autoworks which I prefer to Macroworks on the expanded disk. If you have not seen autoworks yet come to the Appleworks SL6 for a demo of the program.

This is just the start of my working with this memory expansion, but the manual shows a number of features that I hope to have time in the future to explore in more detail and report to you in some future issue. In summary the Multiram card has delivered what it promised, large memory, increased size of the areas of Appleworks, large desktop and great speed up of the program.

Don Smith

## Apple II Family Products

Apple IIeS Personal Computer  
(Includes CPU with 256K RAM, mouse and detachable keyboard)

Apple IIe Personal Computer  
(Includes CPU with 128K RAM and built-in keyboard)

Apple IIc Personal Computer  
(Includes CPU with 128K RAM, built-in keyboard and 5.25 drive)

### DRIVES

Apple 5.25 Drive  
Apple 5.25 Drive  
Hard Disk 205C

### MONITORS

Apple Monochrome Monitor  
AppleColor Composite Monitor  
AppleColor RGB Monitor

### KEYS

Apple IIeS Upgrade  
Apple IIc Memory Expansion Kit  
(Includes memory expansion card and new IIc logic board)

256K Memory Chips  
Apple 5.25 Drive Controller Kit

### CARDS

Apple II SCSI Card  
Apple IIc Memory Expansion Card

### SOFTWARE

AppleWorks 2.0

## Apple Introduces Peripherals for Apple II Family

Cupertino, California. Apple Computer, Inc. today introduced a variety of memory, storage and display products that take advantage of the capabilities of the new Apple IIeS computer and offer expanded functionality to the owners of current Apple II systems. The new products include:

- An enhanced Apple IIc which accepts a memory expansion card that adds user memory up to eight times the system's current 128 kilobyte (K) capacity;
- The Hard Disk 205C, a high-speed, 20-megabyte storage system based on the Small Computer Systems Interface (SCSI) for the Macintosh Plus and Apple IIeS, IIe and II Plus computers;
- Three monitors in Apple's new "platinum" color scheme, including one that provides a super high-resolution color display for the Apple IIeS;
- Platinum-colored floppy disk drives in both the 5.25-inch and 5.25-inch media formats.

### Apple IIc Memory is Now Expandable

The Apple IIc, the entry-level member of the Apple II family, is a ready-to-use system in a compact case. Its built-in disk drive, ports and connectors make it the easiest Apple II to set up. It comes already equipped with all the power and accessories desired by a large percentage of personal computer owners.

The enhanced IIc introduced today includes a redesigned logic board that accepts the new Apple IIc Memory Expansion Card. The dealer-installable card provides up to one megabyte of extra random access memory in increments of 256K. The system also features platinum keycaps and accents that match Apple's new line of platinum peripherals.

Owners of current Apple IIc systems also can take advantage of this enhancement through the Apple IIc Memory Expansion Kit. The kit contains a new logic board and the Apple IIc Memory Expansion Card, and is priced so that current IIc owners pay the same price for additional memory as buyers of the enhanced IIc.

Extra memory allows the Apple IIc owner to create larger documents and work with more sophisticated software programs. The expansion card can be used as an internal disk drive (called a RAM Drive) to provide fast access to programs and large data files.

A supplemental System Utilities Disk included with the Expansion Card provides a formatting utility that allows many software programs to recognize and fully utilize the additional memory. Some programs, such as the new version of AppleWorks (2.0), automatically use the expansion card. Apple is working with third-party developers to increase the number of products in this category. A few mouse-based programs will require modification to operate correctly on new or upgraded IIc's.

### SCSI Hard Disk Supports Apple II and Macintosh Plus

A new high-speed storage system for the Apple II Plus, IIe, Apple IIeS or Macintosh Plus also was introduced by Apple today. The Apple Hard Disk 205C incorporates the Small Computer Systems Interface (SCSI) standard, which transfers information between peripherals and the computer faster than traditional disk interfaces. It provides 20 megabytes of formatted capacity on two Winchester hard disks--about 25 times the capacity of Apple's highest capacity floppy disk drive.

On the Macintosh Plus, the Hard Disk 205C plugs directly into the SCSI port. The drive also has a "daisy-chain" port, allowing the user to connect up to seven additional SCSI devices such as other drives or a backup device.

The Apple II Plus, IIe or Apple IIeS require a new controller card, the Apple II SCSI Card. It has an expandable data bus, allowing the user to connect up to four additional SCSI devices. Software built into the card conforms with the ANSI SCSI protocols, insuring compatibility with a growing number of SCSI devices on the market.

### Monitors

Apple's three new monitors provide a variety of video display solutions for the new Apple IIeS and other members of the Apple II family.

-- The AppleColor RGB Monitor provides a new high-end color solution that matches Apple IIeS. With resolution of 640 by 200 pixels on a 12-inch screen, it displays extraordinarily clear color images--even 80-column text in color is sharp. More than 4,096 color renditions are possible.

-- The AppleColor RGB Monitor plugs directly into the RGB (Red-green-Blue) port on the IIeS. It fits on top of the IIeS and is in the new platinum color.

-- The 12-inch Apple Monochrome Monitor provides a larger monochrome display for the Apple IIc as well as a monochrome solution for text applications on the IIeS. It generates black text on a white background (or vice-versa), making it ideal for the new generation of Macintosh-like software available for the IIeS.

The monitor's platinum case blends with either the new IIc (with platinum keycaps) or all-platinum IIeS. It is sized to sit either on top of the IIeS or on the existing Apple IIc

Monitor Stand and plugs directly into the video jacks of each system.

A 14-inch composite color monitor completes the new platinum-colored display options now available from Apple. The AppleColor Composite Monitor, with resolution of 560 by 142 pixels, is designed to be used primarily with the Apple IIc. It also provides an entry-level color solution for the IIbS; however Apple's RGB monitor is recommended for IIbS software that generates super high-resolution graphics.

The AppleColor Composite Monitor connects directly to the video jacks of any Apple II system.

#### Platinum Floppy Disk Drives

The Apple 3.5 Drive is an 800K, 3.5-inch floppy disk drive for the Apple IIbS. As either a primary drive from which applications are loaded, or as a data storage device, the Apple 3.5 Drive provides over five times the capacity of 5.25-inch drives. Apple anticipates that most new IIbS applications designed for the system's speed and advanced graphics capabilities will be released on high-capacity 3.5-inch media.

The 3.5 Drive connects directly to the disk drive port on the IIbS. Users can daisy-chain a 5.25-inch drive, or a second 3.5-inch drive, to a port on the back without needing a separate controller card. The 3.5 Drive features a disk eject button as well as an in-use light.

A second new drive, the Apple 5.25 Drive, is compatible with the entire Apple II family of computers and features a platinum-colored case that coordinates especially well with the Apple IIbS or IIc. It contains the well-established 5.25 mechanism used in many older Apple disk drives, insuring compatibility with the thousands of software programs in this format. A new daisy-chain port on the back allows easy connection of a second 5.25-inch drive.

The Apple 5.25 Drive plugs directly into the disk drive port on either the Apple IIbS or IIc. The Apple 5.25 Drive Controller Kit is required for use with the IIe, II Plus or original Apple II.

#### Availability, Warranties and Service

All products described above are available now through authorized Apple dealers in the U.S. and selected international markets. Apple's standard 90-day warranties are included with each product, and AppleCare extended service programs are available.

Apple and the Apple logo are registered trademarks of Apple Computer, Inc.  
Apple IIbS is a trademark of Apple Computer, Inc.

#### A FEW GOODS LISTS

You may know that Apple maintains an extensive listing of Apple II and Macintosh end users. These lists are used when they send mailing pieces--often including promotional offerings and other timely information to Apple owners. If you would like to be included in this list, simply notify the membership chairman and he will send your name to Apple

#### Vendor Support

Below are listed the phone numbers of some of the major software vendors. This section will be updated as new software becomes available or goes defunct. If there are other vendors which are not on this list, please bring them to my attention.

Vendor	Software	area	Phone #
Apple Computer	Various	408	996-1010
ARTSCI	Magic Series	213	760-4577
Microsoft	Various	800	426-2940
Perfect Software	Perfect Series	800	332-8327
Software Publishing	PFS:Series	800	232-2897
MicroPro	Star Series	800	443-0100
Broderbund	Various	415	479-1170
LJK Enterprises	Perfect Series	314	962-1855
Megahus	Mega Series	800	358-8883
Muse Software	Supertext	301	659-7212
Quark	Word Juggler	800	543-7711
Stoneware	DB Master	415	454-6500
Visicorp	Visi Series	800	583-7762
Ashton Tate	DBASE II	213	204-5570
Peachtree Software	Various	800	554-8900
BPI Systems	Accounting	512	454-2801

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#### HELP LINE

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The following members have volunteered to answer questions by phone on the subjects listed. Please be considerate when calling for help. Think through your question; collect all the information; and don't call later than 10 p.m. If you'd like to help, let us know.

Apple Writer IIe: Chuck Jonah, 985-5497  
 Applesoft: Chuck Jonah, 985-5497  
 Appleworks: Detlef Adolff, 766-7741  
 DDM Intro: Detlef Adolff, 766-7741  
 DOS: Chuck Jonah, 985-5497  
 Interface: Rufus Teesdale, 469-8836  
 Mach Lang: Chuck Jonah, 985-5497  
 Macintosh: Randy Paulin, 366-3274  
 Modems: Rufus Teesdale, 469-8836  
 Magic Window: Ed Danley, 969-4433  
 Supertext: Dave Dohmeier, 941-1645

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FILE CABINET DATABASE PROGRAM  
reviewed by John Pendery

FILE CABINET is a database system that can be used for many applications such as mailing lists, phone directories, recipes, tracking home energy usage or inventory of personal possessions.

This version of FILE CABINET is actually a series of APPLESOFT programs in ProDOS format. It is significantly different from earlier versions, which used DOS 3.3, in that only one portion of the program resides in memory at one time. This greatly increases the amount of memory that can hold database information. The ProDOS <CHAIN> command allows FILE CABINET to be structured this way.

When you 'BOOT' this disk you will be given a menu containing the options listed and described as follows:

1. FILE CABINET-PRODOS is the main program. Choosing it will lead to the database entry menu listed below.
2. FILE CABINET STUFFER: allows entire files to be changed or erased.
3. FILE CABINET INITIALIZER: sets up files with a specific number of records.
4. FILE CABINET MODIFIER: allows headers to be added, changed or deleted.
5. FILE CABINET INSTRUCTIONS: is a very brief overview of the several versions of the FILE CABINET series. It is more descriptive than instructional. A good set of instructions is in the TEXT-file 'FILECAB.INSTR' To read it you can use the 'TYPE' command below or a word processor (such as DOM #42 or #52). I recommend printing it out.
6. FILE CABINET ONE PROGRAM: is the same as choice #1. ( At least I think it is.)
7. 'TYPE' COMMAND INSTRUCTIONS: describes what it is and how to use it. 'TYPE' allows a text file to be listed on the screen or a printer. Two versions are provided
8. INSTALL 'TYPE ORIG.' COMMAND: see 'TYPE' command instructions to discover why.
9. INSTALL 'TYPE' COMMAND: see 'TYPE' command instructions to discover why.
10. QUIT TO BASIC: Self explanatory

Choosing option #1 (FILE CABINET PRODOS) from the above menu will present the following menu of database building, editing and using options. These options are self explanatory.

1. SELECT DATA BASE
2. SEARCH AND/OR CHANGE DATA
3. ADD RECORDS
4. DELETE RECORDS
5. REPORT
6. SORT
7. TURN ON PRINTER
8. TURN OFF PRINTER
9. LIST DATA BASE
10. QUIT

Overall FILE CABINET is a good program for the casual database user. It does a nice job of constructing and maintaining a database. Although the program has some draw-backs, they are not serious

\* To DELETE a record you must know the record number which can be found using the program but it would be easier if any header could be used.

\* Since SEARCH will only find one record at a time, it has to be set-up for each time it is used.

\* When using two or more disks of database files at the same time, changing volume names is a little difficult.

\* FILE CABINET will not show you the result of a SORT directly. You have to use the REPORT option to read the sorted records.

=== DAUG Special # 23 ===

This Month's special is just in time for that dreaded yearly event - Income Tax Time. It originates with a local group, the Aurora Area Apple Core, and contains 10 different AppleWorks files to help you with your taxes. Instructions are provided.

Also included are Spreadsheets for Classroom attendance, ranking, linear and exponential regression, stock analysis and a sell/buy demo for your house.

Each tax spreadsheet covers 86 through 88. The rate schedules for each filing status and year are in the spreadsheets.

These tax spreadsheets automatically calculate the zero bracket amount (ending 86), the standard deduction (beginning 87), the personal exemption, allowable medical deduction, allowable interest deduction (beginning 87), net misc. & employee business expenses (after 2% limitation), two-wage earner deduction (86 only), various totals, new surcharges (beginning 88), self-employment tax, and finally the total tax for each year. The spreadsheets will also compare your itemized deductions to each years standard deduction and choose the higher value.

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|                                     |
|      Library Corner                 |
|                                     |
|      by Detlef Adolff              |
|                                     |
*****

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Blank Diskettes SPECIAL

Remember that blank diskettes are available for purchase from the Librarian at club meetings. Because of an unusually advantageous purchase, the cost is only \$3.97 for 10 diskettes plus tax. The diskettes come in multiples of 10 and include sleeves.

Member Donated Program Disk

Next month's DoM will be our 2nd Annual Member Donated Program Disk. It will feature not only the entries in the December '86 Programming contest, but also other programs written by club members or Public Domain Programs donated by members.

WE NEED MORE PROGRAMS!!!

If you have a program that's nifty, a subroutine that's fantastic, or a super-duper utility that saves you time, money, frustration, or aggravation please share it with the rest of us.

I'm especially looking for AppleWorks templates, enhancements, and similar goodies, since I plan to have a double-sided DoM with many useful AppleWorks utilities on the reverse.

Just bring a disk with your donation on it to me. Not only will you get your original disk back next month, but if your program is used, you will receive next month's DoM FREE.

So, give a little, gain a lot, and earn the undying gratitude of the entire D.A.U.G. membership.

Dana Commercial Credit and Apple Offer Leasing Program

Cupertino, California. September 4, 1986. Apple Computer, Inc. and Dana Commercial Credit Corp. (DCC) today announced an agreement to form Apple Commercial Credit, a customized leasing program to be administered by DCC through which authorized Apple dealers, marketing representatives and resellers can offer leasing options to business customers.

"Apple Commercial Credit will provide both the Apple reseller and the Apple business customer with options and advantages not offered through other independent leasing programs that are currently available to them," said C. Lamar Potts, Apple's manager, end user finance programs. "The program is designed to enhance Apple's success in the business marketplace."

The primary objective of Apple Commercial Credit is to provide resellers with a method for establishing long term relationships with business customers. The program provides a number of new features while maintaining competitive rates. These features include built-in protections against missed payments and obsolete equipment; an add-on program that allows a customer to add equipment or software to the lease throughout the term; and a 125 percent credit line that is carried forward with each order, eliminating approval process repetition.

"Apple's decision to choose DCC underscores our position as a leading provider of national lease/finance programs to major manufacturers and distributors of business equipment," said Michael A. Disch, director, national accounts of DCC. Dana Commercial Credit is located in Troy, Michigan, with offices in 29 cities throughout the country. DCC leases and finances capital equipment, including office, computer and telecommunications systems.





## Apple Technical Manuals and Tools Centrally Available

Boston, Massachusetts. Apple Computer, Inc. and A.P.P.L.E. Co-op today announced at the MacWorld Exposition, here, that a central source of technical materials for Apple programmers and developers will be available from the newly formed Apple Programmers and Developers Association (APDA).

Founded with the full cooperation of Apple Computer, Inc. by A.P.P.L.E. Co-op, a 20,000-member, worldwide Apple user's organization based in the Seattle area, APDA will provide a central source of professional software and hardware development tools, technical notes, and technical manuals for those developing software and peripherals for any of Apple's computers.

APDA membership, which includes a quarterly catalog and newsletter, regular update bulletin, and ordering privileges, costs \$20. a year and is available to the entire programming community.

By providing a central source for Apple II and Macintosh development tools, utilities and documentation, APDA will enable programmers and developers to quickly find and order the materials previously available only by contacting a variety of sources.

"Programmers and developers are heroes at Apple," said Dan Cochran, Apple's Manager for Tools and Languages. "The large community of programmers and developers who have produced software and peripherals for Apple machines has made Apple as strong as it is today. We are supporting APDA because we want this community, and Apple enthusiasts in general, to have timely, inexpensive access to the best tools we can make available.

"We feel A.P.P.L.E. Co-op is the right organization to found and organize APDA, and we are fully supporting its efforts. A.P.P.L.E. Co-op is one of the first and largest Apple user organizations in the country. It has extensive experience in providing software and documentation to Apple enthusiasts."

Dave Lingwood, APDA executive director, commented, "Apple programmers, developers, and enthusiasts are a special community. APDA's first priority will be to provide them with better access to the materials they need. But we'll also be surveying and listening to members to develop new services based on what they tell us."

APDA will inventory, catalog, and distribute development tools, system software, technical notes, utilities and manuals from Apple, languages and development tools from a variety of third-party companies, and technical books, including the entire Apple Technical Library from Addison-Wesley. Apple hardware and Apple labeled software will continue to be available only from authorized Apple dealers.

Those interested in becoming APDA members should call 206/251-6548, or write to APDA, 290 SW 43rd Street, Renton, Washington 98055. A.P.P.L.E. Co-op also develops hardware and software, maintains a telephone hotline and bulletin board and published "Call-A.P.P.L.E." for the Apple II community and "Mac-A.P.P.L.E." for Macintosh users.

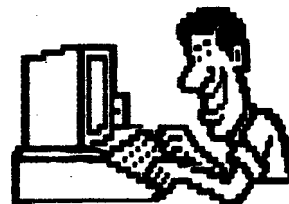
Want a FREE Disk of the Month?

There are several ways for you to get a FREE DoM.

Submit an article for publication in the Newsletter. We are always looking for more material. See Don Smith

Sponsor a friend as a new member of DAUG. See Jim Cormack

Submit a program for inclusion in the DAUG Library or review a program scheduled for a future DoM. See Detlef Adolff



DAUG  
NEEDS  
YOUR  
HELP

The only way to have a good newsletter each month is to get input from members. You don't have to be a HACKER to contribute something. I really cannot write 7 pages each month without your help. Things we can use are:

- !Software reviews-games, business programs, public domain,etc.
- !Article or book reviews- from newspapers, magazines, books, etc.(except Nibble)
- !Short programs or routines-you have written
- !Programming tips & hints
- !Trivia-computer facts, cartoons, questions
- !Anything else of interest

Articles can be given to any of the officers at the regular monthly meeting. They can also be mailed directly to the Newsletter Editor at the following address:

DON SMITH  
20 S. LODGE LANE  
LOMBARD, ILL 60148

The deadline for submission of these articles is the date of the board meeting (see the schedule on page 1). As an added incentive for you to submit an article, you will be entitled to a free DoM during each month you submit an article.

Please have each submission consist of the following:

- 1) a printed copy of your article
- 2) a diskette containing your article
- 3) the word processor used to create your article
- 4) proof read your submission for spelling etc.
- 5) your name and telephone number

Your cooperation is needed and appreciated.

## AppleWorks SIG Open Invitation

The number of members who are using AppleWorks has been steadily increasing, and so have questions about how to get the most of this program. Our Librarian, Detlef Adolff, is leading a SIG (Special Interest Group) on AppleWorks.

The group meets on the 4th Tuesday of each month from 7 to 9 pm at the Wood Dale Public Library at Foster & Wood Dale Road. Everyone is invited, whether experienced user or complete novice. Call Detlef for details.

VISIT OUR FRIENDS!

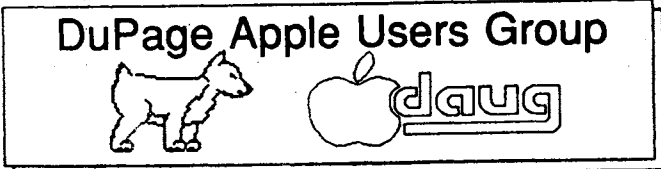
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A number of local computer stores support our activity by offering the discounts listed below to those who show their membership cards. Stores that sell merchandise to everybody at a discount are not included.

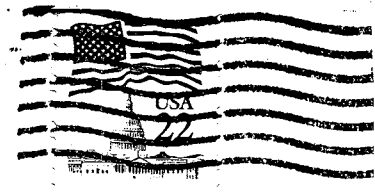
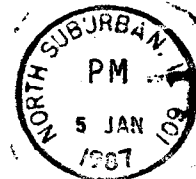
- C B M Computer , St. Charles Rd and Route 83, Elmhurst (530-1125) - 15%
- C B M Computer , 7 S LaGrange Rd, LaGrange (352-4700) -- 15%
- Farnsworth Computer Center, 1891 N Farnsworth Av, Aurora (851-3888) -- 15%
- Farnsworth Computer Center, 383 E North Av, Villa Park (833-7100) 15%
- Primetime Computer Services, 9906 Wood Lane, Palos Hills, Ill (598-5200) - 10%
- Save On Software, 111 E Roosevelt Rd., Lombard, Ill 60148 (932-9144) -- 27% on software & supplies, hardware - good prices
- Software City, 883 Geneva Rd., Carol Stream, Ill 60187 (690-0880) - 15%
- Expert Computer Solutions, 2015 W Ogden Ave., Lisle, Ill 60532 (963-6255) -- 15%

Frequently a smaller discount is offered if a credit card is used. If a store would like to be included in this listing, please write the editor and give us your discount schedule for Apple-User Group members.

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P.O. Box 294 ... Downers Grove, IL 60515



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(The above mailing label is the only notice you will receive that your membership is expiring. Renewal of membership will involve the payment of the initiation fee of \$8.00 plus the yearly dues of \$12.00 for a total of \$20.00)