applesource 13

A SEMI-REGULAR NEWSLETTER FOR APPLE COMPUTER DEALERS

NOVEMBER 1980

Special Report: The Apple *III*

The Apple *III* is a personal computer in Apple's tradition: small, inexpensive, and simple enough to be used by everybody. The system is a powerful, highly-integrated computer offering professional quality hardware and software...

These phrases were part of the seminar presentations offered to dealers in *Intelligent Choices*. Now as the products start to roll into your showrooms and into the customer's hands, many of you have requested more information.

To this end, these three special reports will start a new tradition in the *AppleSource Newsletter.* In this issue you will find an introduction to the hardware, software and operating system.

In the future we hope to offer both information and insight to the Apple product lines. Please take some time to read through the special reports and let us know what your opinions are. Make this your opprtunity to let Apple know what you think and what you would like to see.

Lee Collings

THE HARDWARE

Size:
17.5 inches wide (44.45cm)
18.2 inches wide (46.22cm)
 4.8 inches tall (12.2cm)

Weight:
26 pounds (11.8 kilos)

Material:
Cast aluminum base with molded plastic cover

Processor:
Apple designed processor utilizes 6502A as one of the major components. Other circuitry provides extended addressing, relocatable stack and zero page and memory mapping.

Emulation Mode:
Provides hardware emulation of 48K Apple II or Apple II Plus. Allows most Apple II programs to run without modification.

Clock Speed:
1.8 MHz with video off, 1.4 MHz average
1.0 MHz in emulation mode

Main Memory:
96K (98,304) eight bit bytes minimum
128K (131,072) bytes maximum
Dynamic RAM memory

ROM Memory:
4K (4,096) bytes used for self-test diagnostics

Power Supply:
High-voltage switching type
+5, –5, +12, –12 volts

Mass Storage: One 5.25 inch floppy disk drive built-in 140K (143,360) bytes per diskette. Up to 3 additional drives can be connected by daisy-chain cable (560K).

Keyboard:
74 keys (61 on main keyboard, 13 on numeric pad)
Full 128 character ASCII encoded
All keys have automatic repeat
Three special keys:
    Shift—Control—Alpha Lock
Two user definable "Apple" keys
Four cursor arrow keys with two speed repeat
Four other special function keys
    Tab—Return—Escape—Enter

Screen:
Three upper/lower case modes:
    80 column, 24 line black and white
    40 column, 24 line 16 color foreground/background
    40 column, 24 line black and white

All text modes have a software definable 128-character set (includes upper/lower case) with normal or inverse display.

continued on page 2

IN THIS ISSUE...

SPECIAL REPORT THE APPLE *III*	Page No.
The Hardware	1
The Operating System	2
The Software	3
WINNING	
Meet Jack and Carol Davis	4
WINNERS AND LOSERS	
Can Audio Stores Sell Computers?	5
APPLE INTRODUCES...	
Marc Folley	4
Louis Miller	4
Linda Lyon	4
John Hazelwood	4
OUTSIDE THE ORCHARD	
Stoneware DB MASTER	5
A Place for Your Cash	5
PASCAL Double-Time	8
APPLE UPDATES	
Apple Announces Intentions to Go Public	6
The 737 Lands	6
Apple Tax Planner	6
Disk II with DOS 3.3	7
Dow Jones Announces Leisure Rates	7
Apple Update-Quickies	8
Apple at a Premium	8
APPL' CATIONS	
An Alternate Solution	8

1

Special Report: The Apple *III*

Screen:

Three graphics modes:
  280x192, 16 colors (some limitations)
  140x192, 16 colors
  560x192, black and white
  Plus all Apple II modes

Video Output:

RCA phono for black and white NTSC composite DB-15 type connector for:
  NTSC B/W composite video
  4 TTL output for generating RGB color
  Composite sync signal
  NTSC color composite video
  +5, –5, +12, –12 volt power supplies
  color signals appear as 16 level gray scale on B/W video outputs

Audio Output:

Built-in 2″ speaker
Miniature phone tip jack on back of Apple
Driven by six-bit digital/analog converter or fixed frequency "beep" generator

Serial I/O:

RS-232C compatible, DB-25 female connector
Software selectable baud rate and mode

Joysticks:

Two DB-9 connector for two joysticks with pushbuttons

Printer:

One DB-9 connector (shared with second joystick) for Apple Silentype printer

Clock:

Can be set and read from program
Powered by long life replaceable watch batteries
Keeps track of month, day of week, date and the exact time to 1/1000 of a second

Expansion:

Four 50-pin expansion slots inside cabinet

THE OPERATING SYSTEM

The most important piece of software that you or your customer will ever use on the Apple *III* is SOS, Sophisticated Operating System. The whole purpose of SOS is to provide the user with an efficient, consistent means for programs to use the Apple *III*'s hardware. All programs communicate with the system's hardware through SOS and only through SOS.

One of the nicest benefits of this type of operating system is the complete transparency of SOS to the average user. In essence, this means that the user is protected from having to know the inner working of a disk operating system, memory management or peripheral management.

Although normally invisible, many of your more advanced programming customers will want to access and know more about SOS. Also, because all Apple Languages will be using SOS, you should become familiar with it.

SOS on Disk

Like DOS, Apple *III*'s SOS resides on every boot diskette that you or a customer will use. This offers the user the ability to move up to a newer or improved version when released, with relative ease and low cost. Apple will keep you and your customers informed about new releases of SOS. The customer will be notified by Apple if and only if we receive a Warranty Card. Also, if your customer is an Extended Warranty owner, he will be eligible to receive any SOS updates.

Inside SOS

The KERNAL is the core of SOS. The Kernal is a set of programs and subroutines that control the flow of information around and through SOS. It is divided into five main areas:

- File Manager
- Device Manager
- Memory Manager
- Utility Manager
- Interrupt Manager

The File Manager

This controls the logical storage, transfer and routing of information within the Apple. The File Manager stores all information in files which can be created, destroyed, read, written to, moved from place to place or even change their names. As such FILES are the fundamental unit of storage for SOS. Like DOS, SOS Files can hold numbers, programs, letters, lists, or any other information a customer could put into an Apple.

The Device Manager

This controls the physical storage and flow of information into and out of the Apple. When combined with its Device Drivers, the Device Manager controls the operation of the console, the printer port, the serial port, the disk drives and any other peripherals attached to the Apple.

The Memory Manager

Under the control of SOS, the Memory Manager allows programs and languages to use all of the memory available in the Apple quickly and efficiently. Normally the Processor in the Apple *III* could only address 64K memory locations, however, because of the Apple's unique design, SOS and the Memory Manager, the Apple *III* can address a full 128K. The Memory Manager keeps track of the "pages" of memory and allocates them to different programs or languages. The Memory Manager will normally be transparent.

The Utility Manager

This is designed to allow programs to access the built-in devices like the joysticks and clock/calendar. Most language and applications that use the joysticks or clock/calendar will have more convenient, higher level commands to read the status of those devices. The Utility Manager simply facilitates the commands of the higher level language or application through SOS.

Special Report: The Apple *III*

The Interrupt Manager

A key element in the Apple *III* is the Interrupt Manager. This works with the Device Manager to allow devices like the keyboard or the serial port to interrupt the Apple in the middle of an operation. The Apple attends to the interrupting device and then returns to its former operation. One of the many benefits of this capability is "type ahead," or the ability to enter data into the Apple while writing to a disk or while receiving data over a modem.

The Sophisticated Operating System of the Apple *III* is friendly and easy to use and as such, should be well received by your customers. Take time to read the full operators manual when they arrive in your store. They will make learning the Apple *III* a breeze for you and your customers.

THE SOFTWARE

Apple Business BASIC

For the avid programmer, the Apple *III* offers three BASICS in addition to PASCAL and FORTRAN to be offered later. Because of the popularity of "BASIC" as a language, Apple Business BASIC should be the main language used with the Apple *III* although Integer and Applesoft BASIC can be accessed through the emulation mode.

For the person familiar with Applesoft and DOS, learning to use Apple Business BASIC should be easy. Of the 112 reserved words in Business BASIC, only 37 are not used as Applesoft or DOS commands. Many of the added commands are extensions from earlier BASIC's, others are unique to the Apple *III*.

Summary of Added Commands

AS	EOF	IMAGE	PREFIX$
BUTTON	ERR	INSTR	REC
CAT	ERRLIN	INVOKE	SUB$
CHAIN	EXFN	KBD	SWAP
CONV	EXP	MOD	TEN
DATE$	EXTENSION	OFF	TIME
DIV	HEX$	OUTPUT	TYP
ELSE	HPOS-VPOS	PERFORM	USING/WINDOW

In using Business BASIC, I discovered numerous functions which are very useful.

- The use of "OFF" to reset conditions is much more useful than having to poke some location with 0. This works with "KBD," "ERR" and "EOF" statements. Example: (OFFERR = Applesoft Poke 216,0).

- 19 Digit Integers allow large business models to be created.

- Variables can now have up to 64 significant letter/digits. This should be handy for writing well documented programs with many variables.

- PRINT USING offers easy formatting of letters and numbers. The Image Command is used in conjunction with Print Using to create specific formats.

- Apple Business BASIC shares common data types with PASCAL and FORTRAN.

™VisiCalc is a registered trademark of Personal Software.

Most of the commands are self explanatory, however, you or your customers should consult the manuals for complete explanations. Take some time to read through the Apple Business BASIC manual when it arrives in your store.

VISICALC™ *III*

Software sells systems. It's no surprise that one of the initial software offerings for the Apple *III* is VisiCalc *III*. The larger and more powerful version of VisiCalc used on the Apple II, will be a significant offering to the business management market.

One of the most significant benefits of VisiCalc *III* over the other versions is the addition of the 80 column display. Now a whole spread sheet can be displayed without having to window from one area to the next. Also, because of the Apple *III*'s extended memory, your customers' models can be larger or more complicated. Another feature that adds depth to VisiCalc *III* is the enhanced printer handling. Thanks to SOS, the printer routines are much easier to use and offer more flexibility in operation.

All the favorite features have remained as a standard in this new software offering and a number of enhancements have been added to complement the Apple *III*'s many capabilities.

- Upper/lower case letters
- 65K free memory in a 128K *III*
- Allows for saving of partial files
- Soft-Exit...doesn't require power down
- Forms creation using true underline
- Keypad speeds data entry
- Auto-Repeat on all keys
- True cursor control with arrow keys
- And more...

Apple will be releasing VisiCalc *III* with a number of useful template utilities including a *Personal Budget Model,* a *Construction Estimate Check List* and a *Time Value of Money* model.

These preconstructed models will allow you and your customers to visualize and experience the usefulness of the VisiCalc *III* solution.

FUTURE SOFTWARE

In addition to VisiCalc *III* and Apple Business BASIC, we will be releasing a number of software solutions with you and your customer in mind. The Mail List Manager will offer the solution to one of the oldest problems in business, how to keep track of people's addresses in a growing business.

The Apple *III* Word Processor to be released first quarter 1981, will help solve the high cost of communication by speeding text processing from start to finish.

For more information on these and other software solutions, watch for updates in *AppleSource Newsletters* to come.

Apple Introduces
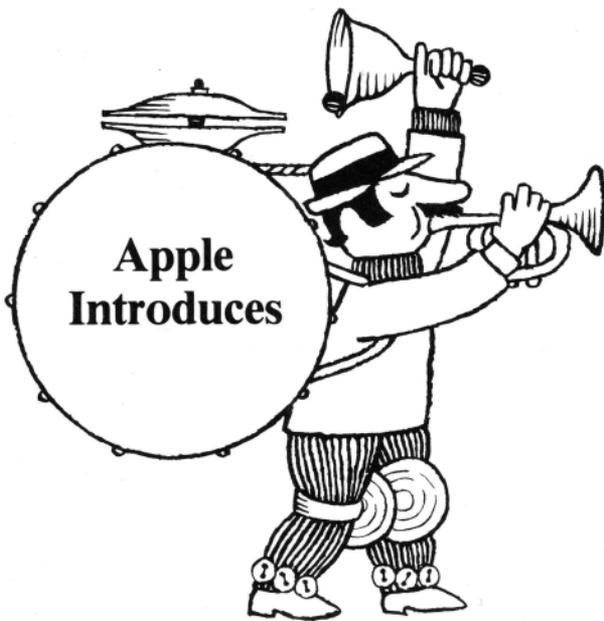
To keep you informed of the many changes taking place at Apple, this column will offer introductions to the many new faces who work with Apple. Over time, you will see articles on Area, Regional and Corporate Personnel. We hope that this will help you to know us better.

Marc Folley
North Central Regional Sales Manager

Marc comes to us from CompuShop where he was Vice President and had responsibility for the Mid-West retail store operations. Prior to that, Marc had ten years experience with Richardson-Merrill, Inc. in sales and sales management. With his extensive large account experience as well as his strong retail background, Marc will be a tremendous asset to you and Apple. When you meet Marc, we think you'll agree that he is the right person to spearhead the Chicago office.

Louis Miller
Northwest Regional Sales Manager

For those of you who have not met Louis, hold on to your hats. Louis is one of the most energetic people you'll ever meet. He comes to us from Team Electronics where he was the owner and manager of the Canby, Oregon Team Store.

One of Louis' many accomplishments was selling over 100 Apples his first year. That may not sound like alot, however, Louis sold those in a small town of 5,000. His vast experience in electronics retailing along with his personal experience selling Apples, will offer assistance and understanding to everyone in the Apple Orchard.

Linda Lyon
Sales Development Specialist, Ext. 2137

Linda has come to Apple to help close the growing communication gap between you and Apple. Linda, a recent graduate of San Jose State, is a specialist in communications and sales. With her help the interfacing throughout the entire Apple family should increase many fold.

Linda's greatest strength is in her ability to deal effectively with people. She balances straightforwardness with tact, and support with empathy. Linda motivates people and Apple welcomes her "make it happen" energy.

WINNING

MEET JACK AND CAROL DAVIS

Computer Age, Capitola, California: An Exciting Dealership To Visit!

Never underestimate the power of a first impression! When a customer enters Computer Age the decor beckons one to linger awhile. This has been created by soft, earthy brown carpeting, light, natural oak walls, healthy plants and spacious separate areas.

The welcome continues when the Davises question whether you would like coffee or a cold drink. Jack and Carol want their customers to sit down, relax and enjoy an Apple presentation.

When I expressed amazement at their choice of a beach resort for a dealership location they gave me some surprising information. Without even running an ad, fifty-five people came in the first day Computer Age opened. Their weekly seminars have continually drawn approximately fifteen people with 30% of those eventually purchasing systems. Jack and Carol make it a point to get everyone who stops by to sign their seminar mailing book. That way, they have them for further contact. The warmth of this store has been felt by the town. Over 50% of the customers return often enough to be called by their first names.

Jack's nine years with Xerox merge with Carol's seven years of teaching to create a winning team. Carol insisted she would not go into the computer business without Apple. She has been teaching junior high students with learning disabilities for seven years and says, "Teachers talk nothing but Apple!". It is not surprising to hear her add, "Stores do profit from sales to education if they look at it from one angle: You get Apples in the schools, the kids get interested and bring their parents to the store to buy the family an Apple." When parents come in with their children, Carol busies the kids with a computer game, Apple stickers or the paper and crayons she keeps in reserve. Jack is then free to give his expertise to the parents without interruption. The partnership gives every indication of being a winning one and hats off to this couple, their store and their successful retail sales and promotion practices.

Linda Lyon

John Hazelwood
Sales Development Specialist, Ext. 2137

John joins Apple from Phoenix, Arizona where he was Assistant Manager of the MicroAge Computer Store. Because of his Apple enthusiasm and numerous Apple sales, he was dubbed "Apple John" by his co-workers.

While at MicroAge, John served as Apple product manager, and was responsible for development of the seminar sales. John will help develop, implement and evaluate new programs for retail stores. John's contagious enthusiasm and energy will be a great asset to Apple.

Please join with us in welcoming these new people to the growing Apple Orchard.

Winners and Losers

The letter in this month's column is a little out of the ordinary due to the fact that it was written by an Apple Sales Representative rather than a customer. The store Grant Lord tells about should be applauded for their fantastic efforts.
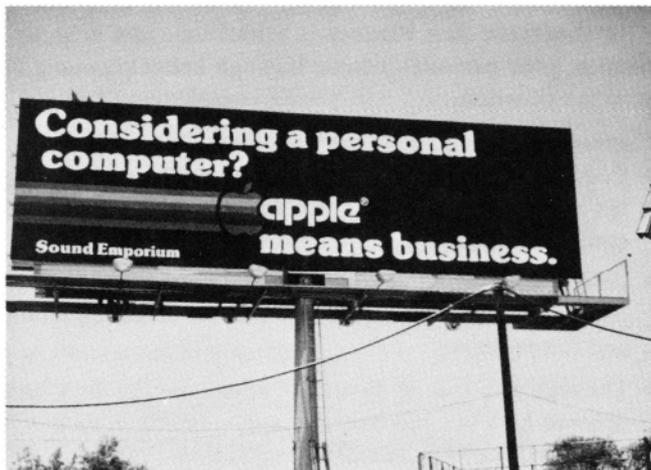
Dear Apple:

Sound Emporium of Temple, TX was originally, in the true sense, an audio store selling stereo equipment, records, tapes, etc. Since their introduction to Apple sometime late last fall, they have experienced a transformation in both the equipment they sell and the markets they serve.

Since earlier this year all records, tapes and low end stereo equipment have vanished. Only high end stereo and video equipment is sold in addition to the Apple line.

From the first visit with these people in late May I have been impressed with the manner and success with which they have marketed and sold the Apple systems. The first time I visited, they had six systems up and running in various configurations, all with application software.

These people have proven that an audio store can successfully market and sell computer equipment effectively and efficiently... In eight short months these people have accomplished what has taken others three years to try to achieve.

*Just thought I'd let you know what was going on down Texas way...*

Grant Lord
Apple Sales Representative

Editor's P.S.

Sound Emporium held their first AMB seminar in June with 30 in attendance. Advertising was through local radio and reservations were required. Their campaign was so successful that since that time they have put up a billboard (see photo) for six months with plans for 2 more boards on I-35 heading into and out of town.

At the seminar, 6 systems were running at the hotel with an additional three systems running in "The Bus". The Bus is set up and ready to go when the need arises. Several more seminars are planned for this year using a combination of AMB, IC and general Apple continuing education.

Congratulations to these WINNERS for making Sound Emporium and Apple Computer great.
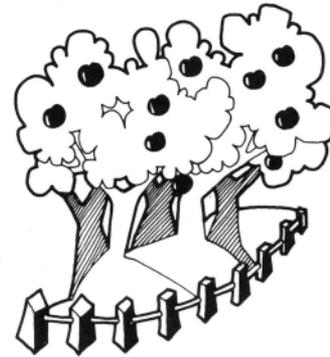
OUTSIDE THE ORCHARD

by Lee Collings

STONEWARE DOES IT AGAIN!

One of the most frequently asked for programs is some form of data base management system. To date, many vendors have offered various solutions to the age old problem of what to do with all the data.

The newest entry, and one that I found friendly to use, is the "DB MASTER" from Stoneware Software. This system offers the user a simple, yet powerful data base management program. "Human Engineered" and "Large Capacity" are two of the claims made for this program by Stoneware. The use of ISAM file handling along with primary and secondary keys and data packing really adds to the performance of the "Master."

A powerful report generator is built-in to this software package which is easy to use and well thought out. If you would like more information on the DB MASTER or other Stoneware programs contact Stoneware Computer Products, 1930 Fourth Street, San Rafael, CA 94901 or call (415) 454-6500.

NEED A PLACE TO PUT YOUR CASH?

How about a cash drawer? APG, Inc. manufactures a number of cash drawers that match the good looks of the Apple with the usefulness of a cash register. An Apple II with Disk II and a good piece of software like the Cashier™ or the Cash Register are all that's required to use the Apple as the final selling point.

This unique combination of computer intelligence and retail needs make this a useful addition to almost any retail operation. Try setting one of these systems up in your store and see what your customers think. Drawers are available in 1 or 2 drawer configurations.

For more information on the cash drawers, contact APG, Inc., 1601 67th Ave. North, Brooklyn Center, MN 55430, (612) 560-1440.

APPLE UPDATE

APPLE ANNOUNCES INTENTION TO SELL STOCK TO THE PUBLIC.

Cupertino, California—August 18, 1980—Apple Computer Inc. today announced its intention to file a registration statement with the Securities and Exchange Commission for an underwritten public offering of common stock by the company and certain shareholders.

Proceeds of this initial public offering of Apple Computer will be used principally for working capital purposes. It is anticipated that the offering, which will be made only by means of a prospectus, will occur in late 1980.

THE 737 LANDS

Good News, the popular Centronics 737 dot matrix has arrived at Apple. This fine printer offers the best quality text output of any $1,000 printer on the market. In addition to the high quality proportionally spaced fonts (normal and double wide), the 737 will print in monospace mode at 5, 8.3, 10 or 16.7 characters per inch.

The nine-wire printhead allows a character set with true descenders on lower case letters as well as true underlining. We have listed a few of the outstanding features of this printer for your information:

- Proportional spacing
- Allows full right justification
- High density Nx9 Dot Matrix for super legibility
- Full superscript and subscripting
- Three way paper handling (roll, fanfold or single sheet)
- 50 to 80 CPS print through

With the addition of this printer to the Silentype™ and Qume Sprint 5/45, you can now offer the best of any printing environment to your customers. Watch for complete data sheets on this fantastic Centronics printer.

Order Information:

Apple Part Number:	A2M0039 or (A2M0039-6)
Suggested Retail:	$1,025.00
Dealer Price (1):	$720.00
Dealer Price (6):	$700.00 ea.
Availability:	September 15th, 1980 (limited)

Notes:

(1) The printer is supplied with an adaptor cable that converts the edgecard connector of the 737 to the standard Centronics parallel interface connector.
(2) An Apple Centronics parallel interface card, (Part Number A2B0007), is required and should be ordered separately when the printer is used with the Apple II.

APPLE TAX PLANNER

Apple's newest software entry is designed as a personal financial planning tool. The Tax Planner offers your customer the ability to play "what-if" with financial scenarios that should take some of the guess work out of income tax planning.

Your customer can determine federal income tax consequences that result from personal financial decisions. By constructing different income scenarios, he can determine the tax consequences of various financial moves such as selling stocks and taking gains or losses on property. Tax Planner allows your customers to print out their tax strategies, or store them on their diskette for quick retrieval and modification.

In short, the Tax Planner is a tool that can help you manage your personal income through better planning of your tax situation.

Customer Benefits:

- Provides the capability of exploring the federal income tax advantages available to you through the use of comparison analysis.
- Assists you in timing your financial moves by instantly computing their impacts on the income taxes in current and future years.
- Through the use of financial scenarios, the user can observe how tax mechanisms apply, which in turn will help clarify current federal tax regulations.
- Increased productivity in conducting financial analysis and making financial decisions, by allowing the user to quickly develop or change tax strategies.

Inside The Tax Planner

Written in Run-Time PASCAL, The Tax Planner will run on any Apple II with 48K and a single disk drive with DOS 3.3 or PASCAL. Also, because of PASCAL, all the computations and screen updates are handled quickly and efficiently.

Many built-in features should make this package a worth while investment including:

- Automatic tax computation using all of the possible methods: regular tax, income averaging, maximum tax on personal service income, or the alternative minimum tax
- Analysis of federal income tax advantages at a glance
- Assistance in timing your financial moves
- Tax bracket percentages
- And more...

Ordering Information:

Apple Part Number:	A2D0040
Suggested Retail:	$120.00
Dealer Price:	$ 85.00
Master Pack (5):	$ 80.00
Availability:	September 30th, 1980

Note:

This program is written using the current IRS federal personal income tax code as of July 15, 1980. This product is

cxpcctcd to bc in strong dcmand through April 15, 1981. However, with the possibility of the new tax legislation in 1981, the current Tax Planner program may have limited sales beyond April, 1981. You may therefore want to closely monitor quantities in stock in April, 1981.

DISK II WITH DOS 3.3

To help promote the new DOS environment Apple will be offering the Disk II with DOS 3.3. At a suggested retail of $645 it won't take your customers long to see the added value that is offered with this new combination. For less than a 10% increase in cost your customer receives over 23% more usable disk space along with all the utilities provided on the System Master Diskette.

Included in each package ordered are:

- (1) Disk II Drive
- (1) Disk Controller Card w/ P5A & P6A installed
- (1) DOS 3.3 Instruction Manual
- (1) BASICS Diskette
- (1) System Master Diskette
- (1) Blank Diskette
- (1) Sheet of 96 stick-on labels showing a (16)

Order Information:

Apple Part Number:	A2M0044 or (A2M0044-4)
Suggested Retail:	$645.00
Dealer Price (1):	$470.00
Dealer Price (4):	$450.00 ea.
Availability:	September 15th, 1980

Make sure you order plenty of these new drives for the coming school year. Also, now is a good time to check your existing stock of DOS 3.3 kits for your customers who want the new environment but already own drives.

PASCAL REV. 1.1

The long wait for PASCAL 1.1 is almost over. Starting in November, Apple will start shipping the new version of this fantastic language. Included in the revisions are extensive changes in BIOS, changes in the handling of Long Integers, a number of "bug" fixes and two new capabilities: Chaining and Exec files.

Other changes and enhancements will make PASCAL even more popular as the language of the future.

- Soft reset vs. hard reset
- Faster disk access
- Upper/lower case (like AppleWriter)
- 2 new PASCAL manuals (to aid learning)
- And more...

Watch for special RMA exchange and customer update announcements for PASCAL Rev. 1.1 in the bi-weekly mailings.

DOW JONES ANNOUNCES NEW RATES

Effective September 1, Dow Jones has sharply reduced time charges during leisure hours for users of The Portfolio Evaluator and The Stock & Quotes Reporter software packages. News items can be retrieved during these leisure hours from *Barron's, Wall Street Journal* or the *Dow Jones* news wire for $ .20 per minute. Market quotes are available for $ .15 per minute. There is a minimum charge of $ .50 for each session, however, a single session can access any or all data bases.

PRICE UPDATES

Data Base	Daytime Rate cost/min.	Leisure Rate cost/min.
News	$1.00	$ .20
Quotes	.75	.15
Minimum	2.00	.50

HOURS OF OPERATION (Monday–Friday)

Time Zone	Daytime Hours	Leisure Hours
Eastern	6 am – 7 pm	7 pm – 3 am
Central	5 am – 6 pm	6 pm – 2 am
Mountain	4 am – 6 pm	6 pm – 1 am
Pacific	3 am – 6 pm	6 pm – midnight

HOURS OF OPERATION (Weekends & Holidays)

Time Zone	Leisure Hours
Eastern	7 am – 3 am
Central	6 am – 2 am
Mountain	5 am – 1 am
Pacific	4 am – midnight

Note: All weekends and holidays are billed at Leisure Rates.

In conjunction with the new rates Dow Jones has announced the addition of a toll free Hot Line. If you have any questions or need further details, call (800) 257-5114. New Jersey call (609) 452-1511.

APPLE SOFTWARE BANK BINDERS

Extra copies of the Apple Software Bank Binder may now be purchased from Apple regional support centers. This is the same high quality binder that has been distributed to dealers during the past months. To order copies for yourself or for your customers simply place your order with your next weekly order.

Order Information:

Apple Part Number:	A2G0002
Suggested Retail:	$ 9.50
Single Box (12):	$72.00
Availability:	September 15, 1980

APPLE UPDATE

APPLE UPDATE, QUICKIES

- Apple Plot—This program has really started flying out of the warehouse at Apple and a few dealers have had questions on the printer routines. The routines included in the software support the Apple Silentype or the Qume Sprint 5/45.

  Because of the size limitations of the program, we could not enter more printer options into the printer menu. Don't dispair, you can use other printers. By developing different routines you can access other printers of your customer's choice.

- Apple Rev. 7 Board—The new Apple boards will not work with the current version of the Dan Paymar Lower Case Adapter. The Paymar company is aware of the situation. Be sure to check the systems you're working with before attempting to use the Paymar board.

  Also, the color problem on the Rev. 7 board that had troubled some of you has been remedied.

- Apple Phone List—This program, supplied on the Master Diskette, was originally designed to run on the Micro-Printer from Centronics. In order to make this program compatible with the greatest number of printers, change line 1111 to read: (IF PR THAN PRINT).

OUTSIDE THE ORCHARD

PASCAL DOUBLE TIME

Computer Station's Fast Floating Point Board is designed to enhance the arithmetic speed of the Apple PASCAL system.

Designed to plug into any of the Apple slots, the PASCAL Fast Floating Point Board allows your customer to access the higher level math functions through the AM9511 Arithmetic Processor. In addition to the standard transcendental functions supplied in Apple's UCSD PASCAL, your user can also access "TAN, ASIN, ACOS, SINH, COSH" and "TANH."

According to Computer Station, their board is supplied with a special version of Applesoft called Applefast which allows all Applesoft programs to run without modification. The board is also suppled with "TRANSAM," a unit designed to be entered into the PASCAL system library, the AM9511 and a reference manual. Suggested retail is listed at $450.

Contact Computer Station for more information on this and other special products at 12 Crossroads Plaza, Granite City, IL 62040, (618) 452-1860.

APPLE AT A PREMIUM

You've asked for it...you've got it! This month because of so many requests, Apple is introducing "The Apple Premium Catalog." It's a compilation of some of our most successful items (T-shirts, Cross pens & coffee mugs) and some new requests (jewelry, crystal, brass and woodwork) all designed with the Apple quality you've come to know and expect.

All items display the Apple logo and were carefully handpicked and produced to ensure instant recognition and satisfaction.

You may take advantage of the program in two ways:

(1) Stock the brochures for your customers and let them order through the direct-order mail process or,

(2) Use the quantity discount offer and stock your own inventory.

Watch for the brochures coming in November!

APPL' CATIONS... an alternate solution

Many requests have been received from handicapped people who would like to use the Apple but have difficulty with programs that use shift, escape, or control character sequences. Because these sequences require more than a single key be pressed at one time, the individual with limited manual dexterity can have problems.

The solution lies in a simple switch that can be used to replace the Shift, Esc and Ctrl keys. The switch is an alternate action type similar to the Alpha Lock switch on the Apple *III*.

Although the switch is not stocked by Apple, you can order these directly from ELComponents. The switch is their type EL5. The switches cost $3.00 each in single quantities including postage, handling and installation instructions. With the switches modified, the Apple will become more useful to the handicapped individual and therefore should offer them more enjoyment. Next time you run into this special situation, remember this simple solution.

To order the part or for more information contact ELComponents, 21230 Homestead, Suite 22, Cupertino, CA 95014

Caution: This and any other modification which is attempted on Apple products will void your customer's warranty. Be sure to inform them of this in advance.