

May 1991 Edition

Volume 10/Number 5

# Apple Bug

the newsletter of Apple-Q Inc.

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\$1.50

THE BRISBANE APPLE USERS' GROUP

P.O. BOX 721, SOUTH BRISBANE, QUEENSLAND 4001

# Apple-Q Inc. Diary

## This Meeting

Sunday  
May 19th

General meeting: 11.00am - 4.30pm.  
Demonstration: 12.00am start.  
Committee meeting: 3.00pm start.

## Next Meeting

Sunday  
June 16th

General meeting: 11.00am - 4.30pm.  
Demonstration: 12.00am start.  
Committee meeting: 3.00pm start.

## May 19th

### Demonstration

A demonstration by Robert Allen of some AppleWorks business applications and a demonstration of InWords for the Apple II.

## June 16th

### Demonstration

A demonstration by Computer City of the Macintosh LC and the New Apple IIe card available for it.

## Notes . . .

### Things to come..

The Committee tries to set up demonstrations and other events like the auction to cover the many and varied tastes of our members. We are always on the lookout for anyone who might like to help in this area to either run a demo or suggest ideas for future demonstrations or events.

It really does not take great computer skills and knowledge to present a demonstration, just a basic knowledge of the topic being presented. It could be a demonstration of software, for example an art program or music program, or on hardware like a scanner or a video card.

If you would like to present a Demonstration or like to see one, let us know. Feedback from club members aids us in planning future meetings.

### Some Demonstrations / events Planned for 1991

Ultra Macros and Apple Works  
The Macintosh LC  
Music and the Apple  
Scanners and OCR for the Apple II  
Auctions.  
Annual General Meeting.  
Apple-Q Birthday Party.

## Just A Friendly Reminder.

Some months ago, Apple-Q Inc. wrote away to various dealers and groups who receive a free copy of our newsletter, requesting that they inform us should they still like to receive our newsletter, and what benefits, if any, they can provide to the club and it's members. For example some dealers like Computer City provide our club members with a 10% discount and some user groups provide us with a copy of their newsletter.

If your group or dealership received such a letter would you please send us a reply by no later than July. Should we not receive any reply we will have to assume that you no longer require a copy of our newsletter each month. Thank you.

## Trading Table

Apple-Q Inc. has for sale to members blank disks & other items that we buy in bulk in order to save you money & generate funds for the club.

For example:

Disks in boxes of 10	
5.25 blank disks	\$8.00
3.5 blank disks	\$14.00

Note: Prices are subject to change without notice, but are correct at the time of printing.



## Public Domain Software

Apple-Q Inc. has a wide selection of Public Domain, Shareware and Demonstration software available to members. We charge a copying fee so the group can obtain more software to expand the library. The copying fee for 5.25 inch disks is 50 cents a side with a minimum charge of \$2.00. For the 3.5 inch disks, the fee is \$3.00 per disk.

Each month we also try to put out a "Disk of the Month" selection of Public Domain software. On the inside back page you will find a software order form. This form can be filled out if you wish to order by mail or you can order and pick it up at the meeting. For mail orders, remember to add \$2.00 for postage and packaging.

## Meeting Format

**11.00 am - 12.00 pm - Informal period**

Trading table open.

Registration of members (new and renewals).

Disk of the Month sales. Raffle Tickets sold.

Public Domain Software available.

11.45 pm Informal question and answer time

**12.00 pm - 1.00 pm - Demonstration**

Invited speaker to give a demonstration.

followed by a question and answer session

relating to the demonstration.

**1.00 pm - 1.30 pm - Lunch, General Computer**

Lunch and Draw raffle prize and door prize.

Start of general computer time once the Guest speaker has finished and continues through SIGs.

**1.30 pm - 3.00 pm - Special Interest Groups**

AppleWorks, New Users (Beginners),

Apple //GS Computers, Macintosh Computers

Trading Table, Software Library open for business.

**3.00 pm - Start Committee Meeting**

SIGS, Trading Table, Libraries etc. close.

General computer time continues.

Committee meeting starts. Members welcome.

**4.30 pm - Open Day ends.**

End of the General and Committee meetings.

## Meeting Venue

Hooper Education Centre

Kuran Street, Wavell Heights.

Vistors Welcome.

## Membership Fees

Adults/Students: \$25.00

Corporate Membership: \$50.00

Associate Membership: \$10.00 (BBS only)

Joining Fee: \$10.00 (first year only)

At the discretion of the Executive Committee

## Articles for Apple-Bug

If you would like to contribute to Apple-Bug, please send in your article (on disk if possible) to Apple-Q or bring it along to the meeting. Your disk will be returned. The deadline for Apple-Bug is the Open Day meeting.

## Executive Committee

Ann White	President	(07) 371-4067
John Finch	Vice-President	(07) 260-5218
Bob Godbehere	Secretary	(07) 808-3892
Bob Godbehere	Treasurer	(07) 808-3892
Graham Black	Registrar	(07) 883-1525
Kelvin Sagers	Editor	Modem / Mail
Jeff Sellers	Software Librarian	(07) 359-1339
Ian Millar	Hardcopy Librarian	(07) 343-4261

## Assisting

Vince Crosdale	Immediate Past Pres	(07) 351-3090
Dale Rodgie	Misc / Disk of Month	(075) 91-2819
Graham Wobcke	Assisting Software Librarian	

## Bulletin Board

Name:	Apple-Q Inc. BBS
Telephone:	(07) 851-1711 [24 hrs - Bulletin Board] (07) 351-3090 [7-9 pm - Voice]
Baud Rates:	300, 1200/75, 1200 & 2400 (CCITT & Bell)
Data Specs:	8 Data bits, 1 Stop bit, No Parity, Full Duplex
Sysops:	Vince Crosdale, Graham Black

## Production Information

The Apple-Bug was written with AppleWorks. AppleWorks GS was used for the Page Layout and the original copy was printed on a LaserWriter. Apple-Bug is printed by the Hooper Education Centre. Thanks to Computer City for the use of the LaserWriter.

## More Info

- The copying of Commercially produced software is not sanctioned by Apple-Q Inc. and members who do so risk expulsion from the group.
- No one is allowed behind the Trading Table counter except the Committee members and anyone appointed to work at the Trading Table.

## Advertising

Classified advertising is Free to all Financial Members. For non-members, the charges are \$18.00 for a Half Page and \$30.00 for a Full Page. For more information, contact the Editor.

## Help Line

### Apple II General

Bob Godbehere (07) 808-3892 7-9 pm & W/E

### Apple IIs

Vince Crosdale (07) 351-3090 7-9 pm

Dale Rodgie (075) 91-2819 7-9 pm

Graham Black (07) 883-1525 1-6 pm

### Apple Macintosh

John Finch (07) 260-5218 7-9 pm & W/E

### AppleWorks

Sheryl Mann (071) 96-7401 7-9 pm & W/E

### AppleWorks (education)

Ann White (07) 371-4067 7-9 pm & W/E

### AppleWorks GS

Dale Rodgie (075) 91-2819 7-9 pm

### Applesoft

Graham Black (07) 883-1525 1-6 pm

Vince Crosdale (07) 351-3090 7-9 pm

### Beginners

Ann White (07) 371-4067 7-9 pm & W/E

Graham Black (07) 883-1525 1-6 pm

### Communications

Vince Crosdale (07) 351-3090 7-9 pm

Kelvin Saggars [07] 800-4660 Modem - Anytime

### Disk of the Month

Jeff Sellers (07) 359-1339 7-9 pm

### Educational Programs

Ann White (07) 371-4067 7-9 pm & W/E

John Aspland (07) 368-2420 7-9 pm

Geoff Galt [07] 355-5161 School hours

### Machine Language (Ile, gs)

Dale Rodgie (075) 91-2819 7-9 pm

### Modems

Vince Crosdale (07) 351-3090 7-9 pm

Kelvin Saggars (07) 800-4660 Modem - Anytime

### Software Library

Jeff Sellers (07) 359-1339 7-9 pm & W/E

Dale Rodgie (075) 91-2819 7-9 pm

If you are free to aid other members and would like your name added to the list, let us know.

Please only call between the times listed.  
W/E stands for weekend.

## Editorial

by Kelvin Saggars

The April meeting went well, with an excellent demonstration of the new Apple StyleWriter printer by Computer City, many thanks to Peter and George for their time and effort. The printer was connected to a Macintosh for the demonstration, because Apple has, as yet, not released any Apple // drivers for the StyleWriter. It is to be hoped that they are not too far down the track, as a great deal of interest was shown by Apple // users in the StyleWriter.

Well I might as well get the red faces department over with.... as those who showed up at the last meeting know, your truly left his Apple //GS at home after lugging in the hard drive, monitor, scanner etc. for the InWords, Quickie demo. Sorry but these things happen, the demo will now take place at the next meeting, as long as this piece of string stays on my finger that is.

The April committee meeting saw the reshuffling of a few positions, namely: Dale Rodgie as the new Apple //GS software Librarian and Disk of the month organizer. Jeff will handle the Apple // side of the Library and Apple // Disks of the month, assisted as always by Graham Wobcke.

In order to generate interest in new articles for the newsletter, a prize will handed out each month to the best article contributed to the newsletter by any non committee member of Apple-Q Inc. The winner will be chosen by the committee, each month, at the meeting.

If you would like to win a voucher for any of the clubs PD software to the value of \$10.00 for yourself, bring along a friend to the next meeting and if they join, the voucher is yours. New members will also receive a voucher for one free public domain software disk of their choice from our extensive library, just our way of saying welcome to Apple-Q Inc.

Over the next few issues we will publish lists of secondhand books and equipment the club has acquired, or books no longer required in the clubs library etc. You might find something in them of interest, and maybe save some money at the same time. Any funds raised will be used to buy new books, equipment, and software for the club.

As in previous years, this issue contains a listing of all Apple-Q Inc. members who have not objected to having their name, phone number, and suburb printed in Apple-Bug. If other members in your area are agreeable you might like to get together and help each other out with any computer related problems you might have.

### Computer City Revamp . . .

Computer City has undergone a revamp.... Drop in a see for yourself their complete range of Apple Computers and new Apple products like the StyleWriter printer.

Computer City is located at 116 Ipswich Road Wolloongabba, Phone 891-6299, and are open Monday through to Friday, and Saturday mornings.

# InWords . . .

## New software for the Apple //

By Kelvin Sagers

InWords, the new Apple // OCR program from WestCode Software, is a program I have been waiting for from some time now. InWords for the Apple //e and Apple //GS, when used in conjunction with the Quickie hand-held scanner (see the Quickie article also in this issue), allows you to read text, from a page in a book for example, into your computer as normal text, as distinct from a graphic image of a page of text.

### Overview . . .

All Apple // optical hand-held scanners have been able to scan in pages of text before InWords came along, but text stored as a graphic picture (screen) is really a clumsy method of handling text. Sure you could read it, and with most art packages, even type over or erase (as you can any graphic) some of the 'text', but you could not manipulate it as you could real text. Also a graphic file takes up a lot more storage/memory space than a normal text file, and for all intents, and purposes it's really not a viable way to read, store and manipulate the typed word.

### Optical Character Recognition . . .

This is where Optical Character Recognition software like InWords comes into the picture. OCR software has been around for some time now, but InWords is the first I know of for the Apple //e, and Apple //GS. OCR software is software that will recognize characters in a graphic image and then convert them into words or text. The way InWords achieves this will be explained in a little more detail later in the article, but basically InWords uses the Vitesse Quickie scanner as it's eyes to scan in an image of the text to be converted, then it processes that image via 'Font tables' into characters and words to the best of it's ability.

### What you need . . .

To use InWords you need an Apple //GS with at least one megabyte of free memory, or Apple //e with at least 512K of memory. To run InWords your Apple //e must also have the 65C02 processor, and MouseText ROMs installed, that is to say you require either a 'new model' Apple //e, or an older version with the Apple //e enhancement kit installed. You will also require a Vitesse Quickie or compatible hand-held scanner. Both Apple //e and Apple //GS users will find that an accelerator card will improve InWords operation out of sight, and is highly recommended especially if you own an Apple //e.

### What you get . . .

InWords is supplied on both a 3.5 and 5.25 disk, and comes with a comprehensive manual that takes you step by step through the installation and usage of the software

supplied with the package. The software has no copy protection, which is a big plus as far as I am concerned, and can be installed on your hard drive, what more could you ask for.

### Using InWords . . .

When you first boot InWords, you are prompted for your name, and your company name (I placed my address in the company box), this information appears on the title screen each time you boot InWords from then onwards. WestCode recommend you make a working copy, and store the original in a secure place. I only wish more software came like this.

Once you boot InWords you are presented with the title screen, and hitting the space bar brings up an AppleWorks look-a-like main menu. From here, depending on your choice you can either enter the scan menu, the editor, the font menu, the settings menu, save a file, or quit. My first little complaint is that the menu system does not recognize my GS mouse (maybe something to add to the next version), so choices can only be made via the keyboard.

### Scanning Options . . .

The Scan menu is the hub of the program, it allows you to choose the type of scan you wish to make, the precision you wish to use, and the fonts you wish try or train.

The image of the page of text you wish to scan can be scanned in several ways: first as a **standard scan** - for reading text, the whole of which is narrower than the scanner head, or as a **merge scan** - for reading text that is wider than the scanner head and merging the resulting 'reads', or as a **column scan** - for reading text in columns, for example this article.

The precision of the text conversion can be adjusted to suit your needs and the text. The higher the precision the closer the match must be before a character will be recognized. The lower the precision the more likelihood of substitution errors.

Normally the precision indicator sits about halfway and you would adjust this higher when you wish to 'train' a font.

**Font 'training'** is the processes of 'teaching' InWords to recognize unknown characters. InWords comes with various fonts already trained and these might be suitable for documents other than these they were intended for. For documents that have different fonts or type styles etc. you will need to train InWords to 'read' them correctly. You can either create a new font file or add to existing font files which are built up as you 'train' InWords.

Training is a simple process where InWords will stop at characters it does not know and wait for you to 'tell' it what it has highlighted on your screen. If you don't have font training turned on, as would be normal, then any characters InWords cannot recognize are shown as a '~', unless you have altered the default unknown character, in which case whatever character you have defined as the unknown character symbol will be displayed.

### Font Tables . . .

Font tables are the heart of InWords. InWords works by

comparing the pixel groups it finds on the graphic image you have scanned into your computer against those in the current font table. So you should be very careful when training fonts to choose only the best formed characters or character groups for your font tables. Again if you have problems you can edit the font tables and delete characters you feel are giving problems and then retrain them. A nice touch here is that you can use the previously scanned image to recheck and or retrain the altered font table and do not need to scan it in again.

I don't know if the program has a bug in relation to font tables, or not, or if it is a problem with my set up only, but when training large font tables I have found that they can crash and cannot be edited. I have a Woz edition //GS with 1.25meg of memory and a AE Transwarp accelerator card, and Apple High Speed SCSI card for my hard drive... if anyone else has this problem I would like to know of it as I am sure would WestCode. So at present I limit the size and save the font table at regular intervals. This 'bug' does not seem to effect the rest of the program or operation and is easy to work around.

The Scan menu also has an option that enables InWords to display all the pixel groups it finds as it checks for characters. This option would slow the process down too much if it was always left on, but it is a good option to have on when you wish to check out a character or group that is being misread by InWords. Even with this option turned off, and the font training option turned on, InWords will still highlight unknown characters in training mode.

You can also append the next scan onto the text already in your editor, for example when you are scanning columns of text in from an article, you might wish to 'tack' the next scan onto the last one before you save, or overwrite the text in the editor.

The last option but not least option on the Scan menu allows you to change the current font table for another one or a new one. If you have been training a new table you will be asked if you wish to save the current font table before you load in a new one. Nothing can be worse than loosing hours of work because you forgot to save a file before importing another.

### The Scan . . .

Before you can scan in an image to be converted by InWords you should check that the scanner is set to around 400 dpi {fine print}, the photo switch is on Letter, and the contrast control is set around halfway. You should then choose a scan mode {e.g. column} and scan in the image of the text from the page {or any other source}. After your scan is complete InWords will allow you to preview what you have scanned in, and if you don't like what you see, you can rescan the image {after resetting the contrast for example because the letters where too light or dark}. You can also use the zoom command to give you a reduced or full sized view. *See the Quickie article in this issue for more information on the hand-scanner's controls and options - Editor.*

Once your scan is as good as can be expected, hitting the

enter key will let InWords know that you wish it to start it's recognition mode and to start comparing the pixel groups it finds with those stored in the current font table. If the font training option is 'off' InWords will place a '~' at any pixel group position it cannot match. If the font training option is 'on' InWords will stop and highlight the group of pixels {characters and or groups} it cannot match and prompt you to define it either as a single character or as a group of characters. You can also skip pixel groups that you feel are incomplete etc., if you wish too. Should you get too many unknowns, then you either need to lower the precision, rescan the image, or define a new font table.

### The Editor . . .

After it has identified all the characters {pixel groups} in your scan, InWords will place you in the editor. From here you can view the text and see how good or bad the 'read' was, and edit it if you wish. The font table can also be viewed whilst you are in the editor and you can delete any characters you suspect are causing InWords to incorrectly read a character or group {note - you can also access the font table in training mode}. If you are happy with the result it is best to save it, or you will overwrite the finished text with the next scan or retry, unless you have append turned on. Again the use of a mouse would be a plus in this area, and an additional option {toggle on/off} in the setup menu to prompt that you are about to overwrite unsaved material in the editor would also have been a nice touch.

The Editor is a only basic cut down AppleWorks type editor, but it does the job. After all, once you have the text saved as a file you can import it into what ever program you wish to use it with.

The save option allows files to be saved as either ASCII standard text with returns after paragraphs only {standard WP}, or as ASCII standard text with a return at the end of each line {lists and the like}, or in AppleWorks word processor format.

Only about 20 pages {38K} of text can be placed in the editor at any one time no matter how much memory you have, as any remaining memory is used by the hand-held scanner for it's image. I can see the sense in this but it would have been nice to be able to set your own ceiling for the editor via the settings menu. Maybe a thought for version two . . .

Once you quit the editor or scan menu you are placed back into the main menu. Most of the other main menu options have already been covered aside that is from the settings menu.

### Settings menu . . .

The Settings Menu options in InWords are, in the main, toggle type options that allow you to, define the unknown character symbol, save without prompts, turn off the sound {beeps}, provide default file names, and wait for space on start up etc. The Settings Menu also allows you to set the maximum point size InWords will consider as a valid character {72 points being approx 25mm high}, this helps InWords to ignore graphics etc.

## The bottom line . . .

I liked the InWords package, it was easy to use, comes with an excellent manual, and you can make back ups of the disks. Aside from the lack of mouse support and the quirk I have with large font files, I was able to use the package with no major problems, and would recommend it to anyone.

In future versions I would like to see an option to control the buffer size of the editor, and a means of importing previously scanned images etc. InWords comes on both 3.5 and 5.25 disks, and I would have liked to see the 3.5 version containing files supporting the //GS user interface more as is the case with the Quickie software, this allows

users to gain the most from their machines.

To sum up InWords is an excellent package that does the job it is designed for well, and is easy to use and learn to boot.

InWords costs around \$US80.00 from most US mail order sources. InWords should also be available from your local Apple dealer by the time this article is published, but I have so far been unable to obtain an Australian price for the package. For more information contact :

WestCode Software  
11835 Carmel Mountain Road, Suite 1304  
San Diego, California. 92128

## Of Mice and Men . . . The Demise of the Apple //.

By Frank O'Connor

*This is article was typed in from the March 1991 edition of Ausom - The Apple Users Society of Melbourne Newsletter. -Ed.*

In the December issue of the newsletter Peter Szabo and Mike Levine bitterly lamented the passing of the Apple // range, and castigated Apple roundly for developing the Mac LC. They may have jumped the gun a bit (since the Apple // range is still viable as I write this), but they did have a few cogent points to make. Most of those Points have been canvassed before. The stock-standard Apple // has been a dead duck for nearly three years, but nobody was game to say it. The Apple //GS on the other hand is an entirely different kettle of fish. In it the Apple // lives, and should continue to live, for many years Yet.

Given that the Apple //GS is half the machine its' devotees say it is, I can't see Apple completely, and capriciously abandoning a hardware range which has proved so successful, has such a large established user base, and such a HUGE software platform. Apple would be nuts to drop the Apple //GS off their stocklists because:

First, the Apple //GS provides an easy upgrade path for those millions of Apple // users who do not wish to go Mac, at a lot cheaper price than the LC. (With hard disk, colour, and an Apple // card an LC will cost approximately \$5,800 - not exactly the most cost efficient upgrade of all time.)

Second, the Apple //GS has capabilities still lacking in the Mac world, and suffers very few compatibility problems with the massive software base which is out there in the Apple // world.

Third, not to continue with the Apple //GS would be the public relations debacle of all time. . . and encourage a large, and loyal user base to seek other cheaper alternatives (the DOS world etc.) which have traditionally offered compatibility across the whole range despite hardware developments.

Fourth, by now Apple must have recouped the developmental costs of the Apple //GS . . . and be in a position whereby they can drop the price (as they did with the Mac Classic), and provide it to the Apple // market as a much more attractive upgrade option.

### Wither Now the Apple // ?

What I expect is that the GS will continue in production, its entry price will drop, and it will be slotted into the Pricing of the Mac range.

The low end Apple market will then be occupied by the Classic, and the GS, then the LC, then the SE 30. . . with the Mac // range flowing out from there. That makes marketing sense. If you want bare bones Mac. . . you go for the Classic. If you want Apple //. . . you go for the GS. If you want both. . . you go for the LC. And if you want high end Mac. . . you go SE 30 through the Mac // range.

In this scenario the prophets of doom (Pete and Mike) start to look a little shaky. The price of their base unit (the GS) has dropped, it fits well into Apple's product line, and they can look forward to a much larger user base on which to build. Apple scores by increased sales and a public relations coup which ensures that everyone is kept happy.

### Resale Blues

Or is everybody happy? If, as I suspect, Apple is developing a market strategy along these lines then what happens to the installed base of GS users? Overnight the value of their hardware has dropped in the order of a couple of thousand bucks!

Relax guys. . . this has been the state of play in the Mac world for nearly seven years.

As the user of a Mac SE I just saw the resale value of my machine drop to approximately \$2000 when the Classic was introduced. I had the same experience when the Plus was introduced, and I was left holding a 512K 'Fat Mac'. It's all part of the steady progression in technology.

To rail against it is pointless and counterproductive. It's going to happen whether you like it or not. The only thing we can do is let Apple know that a policy of cushioning the shocks for its established clientele base is sorely needed. (And offering loyal clientele half-baked upgrades at exorbitant prices is not the way to do this.)

## Requiescat in Pace Apple // . . .

The stock-standard Apple // was obsolete the moment the Apple //GS was introduced to its admiring public. It died nearly three years ago, but nobody had the good grace to say the last rites. The reason there is still such a large installed base of users is that Apple's pricing policy (viz-a-viz the GS) encouraged very few to make the transition to its descendant. This was what killed the Apple // . . . not the Mac - which was never intended to, and could never compete in the same market. (And the Mac fraternity is getting very tired of being saddled with the blame!)

In the US at the moment Apple are finding that demand for the Mac Classic is outstripping supply. A low cost, low entry machine always hits this 'Problem'. The same could occur with the Apple //GS. If its price dropped by the same order of magnitude (and Apple would be smart to do that real soon now) the demand would be astronomical. How many of you Apple // users have only held onto your machines because of the large software libraries, and time, and effort you have invested in your machine? **If an Apple // GS was a whole heap cheaper how many would instantly upgrade to it? I'd say that sales of the GS would go through the roof. . . in fact I'd bet a thousand bucks that they'd rapidly exceed Mac Classic sales.**

## The LC: A Foul Canard!

To my mind the LC is primarily a Mac upgrade alternative (for nerks like myself who own the now obsolete Plus's and SE's), and an educational option only if the school concerned has both a Mac, and Apple // installed base. If (as I suspect) the price of the Apple //GS drops, then it (and through it the Apple //) will predominate as the major education machine until at least the mid 90's (You can't preempt possible techno-advances too much), and as the machine of choice for those fanatically loyal Apple // users.

Both Peter and Mike slated the LC as a bad option for an upgrade. True it uses the 68020 processor, true it has only a 16 bit data bus, and true it only has one direct connect slot (rather than the NuBus option). However, things which are important in the Apple // world are not so much a concern in the Mac environment.

The 68020 option has only one real effect on the average Mac user. . . it locks him or her out of the virtual memory option which will be available in System 7. However unless you're doing huge amounts of relational data base work, or involved with super large graphics files, this is a non-issue. Otherwise with the 68020 chip you still get a factor of 2 or 3 increase in performance on the old Plus and SE, for approximately the same price. And a 16 MHz 68020. . . no matter how you look at it. . . is a vast improvement on the 8 MHz 68000.

Restricting the system to the 16 bit data bus merely means that 32 bit fetches and puts aren't possible. But I still get close to the original Mac // performance for less than a third the Price. Who's going to complain? (The design decision was taken to reduce costs. LC, low cost. . . get it?).

The expandability question is also a relative non-issue. It comes with 2 Mb of RAM on board, with the ability to accept another 8 Mb as a standard option. That will suffice for me. Mono sound is a bit of a disappointment, but direct sound input makes up for that. The Apple video and colour options (32000 colours!) available seem to offer everything I always wanted on the SE.

Market studies indicate that very few Mac users used the expansion slots in their machines anyway. The direct connect slot in the LC is a recognition of this, and to my mind a lot more desirable option than NuBus. It is faster and offers more possibility of 3rd party hardware options which don't have to conform to the esoteric NuBus standards.)

Bottom line : I'll be buying one. . . because it's relatively cheap, a quantum leap in performance and I can port my Mac software across with relative ease.

## Of Mice and Men . . .

*A Reply By Michael Levine  
and Peter Szabo*

Frank O'Connor kindly allowed Peter and myself to view his copy prior to publication. A few points are required.

1. It may be presumed from Frank's statement "Given the Apple //GS is half the machine its devotees say" that he like many (most?) Mac users have never seen a properly configured Apple //GS in use. I would not believe the same is true in reverse. I have the advantage of not only using an Apple //GS with full configuration, but also using an Apple Mac, and a Compaq PC everyday at work.

2. The cost of the unexpandable LC is in my opinion far too high, but the cost of the Apple //GS as Frank points out has always been, and continues to be outrageously high. However it STILL comes in under the LC with more options available.

3. The only reason for the lack of Apple //GS sales is Apple Corp. Had the Apple //GS been promoted half reasonably it would have dominated the market. As Frank points out it still can, should Apple ever decide to substantially reduce its price. Now that HyperCard is available for the Apple //GS as a almost direct port from the Apple Mac, who knows?

4. Any suggestion that capital loss is a consideration in my complaints is totally misdirected. I regard this my 4th computer since my APF Imagination Colour 16K machine as all others-a total loss of capital after the box was opened.

5. Apple Mac users are different from Apple // users as Frank points out, Apple // users use their expansion slots and Apple Mac users do not. That is one of the main reasons why Apple // owners will become clone IBM owners rather than Mac owners (cost is another).

6. The Apple Macintosh LC will not replace the Apple // series for Apple // users. It may however attract new computer users.

In many respects I agree with Frank's other comments. I would just quote from A2-Central V6 #12 "National Geographic's interactive (CD) . . . was Presented side by side (Mac and GS) as equals . . . showing comparative

strengths and weaknesses . . . (however) a **demonstration by the Apple Mac team actually used the superior sound of the Apple //GS to generate effects that the Apple Mac couldn't manage.** Demonstrating synergy of two product lines can sell more of both types of computer . . . the Long Beach Apple Fest demonstrates that an Apple Mac presence does not have to be oppressive. It can even be enlightening . . . for both sides".

The problem for most prospective Apple customers, dealers, and Apple Macintosh users is their lack of knowledge of the Apple //GS. I quote again from A2-Central round table conference on Apple Fest "the Mac people that have drifted over here. . . have been heard to comment how amazed they are to see what can be done with an Apple //GS! **Comments have been heard from Macintosh users that Hypercard //GS looks even better than their version . . .** people drifting over from the Macintosh side of the conference were amazed to see what this product could do. "This is on an Apple //?" someone remarked. They were

almost sure there was a Mac inside the case. This is one of the big problems about the Apple //GS. Many people think of it as a machine that makes 8-bit software look real nice; not realizing it has some pretty powerful capabilities in its 16 bit native mode. It seems that a lot of Apple Mac users don't have their noses so high in the air any more after seeing some of the real capabilities of the Apple //GS.

**Lets face it, seeing a Apple //GS at the local Apple dealer that is turned off, or has a DOUBLE HIRES program running on it doesn't impress anybody.** Here's to a better understanding by users of Mac's & GS's of the other's gear-and point of view.

- *Michael Levine*

I have had the opportunity of reading the judgement of my learned friend Levine. I concur, and have nothing further to add.

- *Peter Szabo*

## Disks of the Month

by *Dale Rodgie*

See Jeff or myself at the Software Library at the next meeting or order by mail. Order form appears on the inside back cover of this issue. The prices are as follows:

Disk Type	No disk	With disk
5.25 inch	\$4.00	\$5.00
3.5 inch	\$5.00	\$8.00

### ProDOS Utility Disk 4

**Basic Text Editor** - Originally written in Dos 3.3, this program has now been converted to ProDOS. It is a simple text editor with no word wrap but it's Freeware.

**DDDeluxe v5.0** - Here is the latest version of this great compacting program. ProDOS utilities are also included.

**Find Command** - This external command for Basic.System. It will search the current directory or even the entire disk for a specified filename.

**Info Command** - INFO is a Basic.System external command which allows the user to retrieve the filetype, auxtype, size in blocks, and access (lock) byte, and displaying it to screen.

**PhotoMatrix v1.01** - PhotoMatrix scans through a specified directory on a disk, printing all of the Apple II Hi Res (HGR) and Double Hi Res (DHR) pictures it finds to an ImageWriter printer. It will work on any Apple II!

**ShrinkIt v3.2.2** - ShrinkIt is the best file and disk compacting utility available and we now have the latest version.

### GS/OS Utility Disk 9

**Custom GS/OS v2.2** - Custom GS/OS is a program that lets you customize the startup screen that appears when you boot GS/OS. As supplied by Apple, 5.0.2 (and higher) contains a file in the SYSTEM directory with the name START.GS.OS. In this file, among other things, are two

small pictures or icons that are displayed when your IIgs is booted. One is a picture of a computer other contains the text string "Welcome to the IIgs". This program lets you replace those two pictures with icons of your own choosing.

**Finder Patcher v2.0** - With Finder Patcher you can change the Quit option to any one of the three choices that the Finder gives you - put folders on the desktop and leave them there just like you put any other file on the desktop and the "Close All" option from the Files menu can be changed so that it will have an Open Apple keypress equivalent. These are just some of the many patches you can use to improve the GS Finder.

**Icon Applicator** - The Finder has the ability to launch an application and a document by double-clicking on the document. For this to work, the icon for that document must have the name and path of the application. Icon Applicator makes it easy to modify the application name and path.

**MenuTime v3.31** - MenuTime is a NDA that automatically puts a clock in the far right of the menu bar of any desktop based program that supports desk accessories. It can be set to work on both 640 and 320 modes. You can also select whether you want seconds and year displayed.

**ShrinkIt IIgs v1.0.4** - This is the latest version of this excellent program. ShrinkIt compacts files for transmission via modem or for storage. It can also unpack many of the popular compacted file formats for the Apple II, the Macintosh, and Ibm etc.

**Spy Edit v2.0** - Spy Edit is a disk block editor for the GS. Features include the ability to follow the file, Dump blocks to the Printer and Dump/Edit/Initialize the battery RAM.

**TransProg v1.0** - With TransProg you can make a link between applications (GS/OS or ProDOS 8) and keyboard keys. The simple press of one of those keys at boot time, during thermometer display, launches the linked application.

**Twilight v1.0** - Twilight is a screen saver contained in a control panel device for the graphic control panel new to System Disk 5.0. You will especially like the SCULLey screen blanker.

# Apple-Q Inc. Survey

## Personal Details

Name (Optional) [.....]

Age [.....] Male [ ] Female [ ]

I have been a Member of Apple-Q for [ ] years.

My membership is for :

- One person [ ]
- A family of [.....] members. [ ]
- A student [ ]
- other [.....] [ ]

My Occupation is [.....]

Is your Work [ ] Study [ ] Computer related and if so how:

[.....]

[.....]

I use my Apple computer for:

- Business [ ]
- Games [ ]
- Communications [ ]
- Club / group records [ ]
- Family records [ ]
- Education [ ]
- Graphics [ ]
- Music and sound [ ]
- Programming [ ]
- Other [.....] [ ]

## Meeting Details

I / we attend meetings:

- Every meeting [ ]
- Most months [ ]
- 7 to 8 times a year [ ]
- 5 to 6 times a year [ ]
- 3 to 4 times a year [ ]
- 1 or 2 times a year [ ]
- Never [ ]

If you would like to attend more often, what would need to change:

[.....]

[.....]

I / we think that meetings should be held in the:

- Mornings [ ]
- Afternoons [ ]
- Evenings [ ]
- As it stands now [ ]
- Start [ ] finish [ ] [ ]
- Other [.....] [ ]

I / we think the meeting format should:

- Stay as it is at present [ ]
- Change to another format [ ]

Please specify what changes, if any, you would like to see in the format:

[.....]

[.....]

I / we feel that the Guest Speakers and Demonstrations should be:

- More frequent [ ]
- Less frequent [ ]
- Longer in duration [ ]
- Shorter in duration [ ]
- Started at [ ] and finish at [ ] [ ]
- Other [.....] [ ]

I / we would like to see the following demonstrations / Guest Speakers:

[.....]

[.....]

## Special Interest Groups

I / we feel that Special Interest Groups need to:

- Have more groups created [ ]
- Have less groups created [ ]
- Be longer in duration [ ]
- Be shorter in duration [ ]
- Be started at [ ] and finish at [ ] [ ]
- Other [.....] [ ]

I would be interested in and attend the following SIGs on Open Days:

**Programming** [ ]  
 Basic [ ] Pascal [ ] Other [.....]

**AppleWorks** [ ]  
 ProDOS 8 Version [ ] Apple IIGS Version [ ]  
 Word processing [ ] Data Bases [ ]  
 Spread Sheets [ ] Page Layout [ ]  
 Other [.....] [ ]

**Educational Programs** [ ]

**Games**

Apple IIe/c/+	[ ]	Apple IIGS	[ ]
Apple Mac	[ ]	Adventure	[ ]
Arcade	[ ]	Other [.....]	[ ]

I / we would like to supply articles / information on {please specify}:

**New Users**

Apple IIe/c/+	[ ]	Apple IIGS	[ ]
Apple Mac	[ ]	Other [.....]	[ ]

[.....]

[.....]

**General**

Apple IIe/c/+	[ ]	Apple IIGS	[ ]
Apple Mac	[ ]	Other [.....]	[ ]

**Club Services**

I / we think the Apple-Q Inc. Software Library is :

Excellent	[ ]	Good	[ ]
Bad	[ ]	Never use it.	[ ]

I would use the Software Library more often if {please specify}:

Other SIGs {Please specify below}

[.....]

[.....]

[.....]

[.....]

I would be interested to convene / help organize the following SIGs:

I/we think the Apple-Q Inc. Hardcopy Library is :

Excellent	[ ]	Good	[ ]
Bad	[ ]	Never use it.	[ ]

Needs changing {please specify}:

[.....]

[.....]

[.....]

[.....]

**Apple Bug**

I/we think the Apple Bug Newsletter FORMAT is :

Excellent	[ ]	Good	[ ]
OK	[ ]	Bad	[ ]

Needs changing {please specify}:

I / we use the Apple-Q Inc. Bulletin Board :

Often	[ ]	Once a month	[ ]
Less 1 call a month	[ ]	Never	[ ]
No Modem	[ ]	and call other BBS's	[ ]

I would use the BBS more often if {please specify}:

[.....]

[.....]

[.....]

[.....]

I would be prepared to be listed in Apple Bug Help Line to aid people with the following:

I / we think the Apple-Q Inc. Bulletin Board is :

Excellent	[ ]	Good	[ ]
OK	[ ]	Bad	[ ]

Needs changing {please specify}:

[.....]

[.....]

[.....]

[.....]

I would like to see MORE Apple Bug articles on :

The Apple II+	[ ]	The Apple IIe	[ ]
The Apple IIe	[ ]	The Apple IIGS	[ ]
The Apple Mac	[ ]	Game Reviews	[ ]
Program Reviews	[ ]	News / updates	[ ]
Hardware Reviews	[ ]	Hints and Tips	[ ]
Meetings / Info	[ ]	Programming	[ ]
PD Reviews	[ ]	Book Reviews	[ ]

I / we think the Apple-Q Inc. Trading Table is :

Excellent	[ ]	Good	[ ]
Bad	[ ]	Never use it.	[ ]

I would use the Trading Table more often if {please specify}:

I / we think Apple Bug needs articles on :

[.....]

[.....]

[.....]

[.....]

[.....]

I / we think the Apple-Q Inc. Trading Table needs {please tick any that apply} :

- Lower prices [ ] More hardware [ ]
- More Books [ ] More software [ ]
- Two ranges of disks e.g. double and quad density. [ ]
- The following changes (please specify):

[.....]

I / we also own other computer systems { If you wish to please list them below }:

[.....]

[.....]

I / we feel we might change computers in the near future to an [.....] because :

[.....]

I / we would also like to add the following comments re Apple-Q Inc. :

[.....]

[.....]

**General**

My / Our main computer is an [.....] and has :

- On board RAM [.....] base unit e.g. Apple IIe 128K
- Additional RAM [.....] Brand [.....]
- Mono Monitor [ ] Composite Colour [ ]
- RGB Monitor [ ] Television as Monitor [ ]
- Monitor Brand [.....]
- Number of 5.25 Drives [ ] Brand [.....]
- Number of 3.5 Drives [ ] Brand [.....]
- Hard drive size [.....] SCSI compatible Y/N [ ]
- Internal Hard Drive [ ] External Hard Drive [ ]
- Hard drive Brand [.....]
- Printer {No. of pins} [ ] Colour {Yes or No} [ ]
- Printer width [.....] Model [.....]
- Printer Brand [.....]
- Modem Baud rates [.....]
- Internal modem [ ] External modem [ ]
- Modem Brand [.....]
- Accelerator Card [ ] Speed [.....]
- Accelerator Brand [.....]
- Other Cards e.g. Apple Super Serial , Sound cards etc.

[.....]

**Please Note**

The information contained on this form is to aid us in planning future meetings, demos, and newsletters.

Please fill in all the items you can, but if some offend, please feel free to leave them blank rather than not send in no form at all.

**Thank You for your time and effort.**

*The Apple-Q Inc. survey form has been reprinted in this issue in the hope that those who have lost the previous form might take time to fill in the survey and return it. - Ed.*

## Apple-Q Inc. Membership Listing for 1991.

*By Kelvin Sagers*

The following listing of Apple-Q Inc. members excludes dealers, User Groups, members without phone numbers listed in our records, and members who have asked not to be placed on this list. Please treat other members phone numbers and time as you would your own, for example phone at reasonable hours and respect the privacy of others.

Should any member wish not to have their phone number listed next year, or if your name was not listed this year and you would like to be in next Mays Apple-Bug, please let the club's registrar {Graham Black} know.

Name	P.Code	Phone Number	Name	P.Code	Phone Number
DUNNETT David	2372	067-36-2229	GIDDENS Leonard	4011	07--262-4205
ROBERTS Lee & Claire	2477	066-87-4162	SCANLAN Michael	4012	07--266-4779
LEWIS Jerome	2480	066-24-3920	QUINN Margaret	4012	07--266-4913
HART Paul	2482	066-72-1973	TRUSCOTT Tony	4012	07--266-4795
MINASSIAN George	2485	075-36-6977	FINCH John	4012	07--260-5218
McGRORY Kevin	2485	075-36-7993	LLOYD Philip	4014	07--267-7330
MORGAN Ralph	2486	075-36-9352	BROMHEAD John	4014	07--266-8497
TREADWELL Robert	2486	075-54-1783	VILNIS John	4017	07--269-8414
LOADER Jenny	2486	075-54-1325	McSWEENEY Shane	4019	07--284-1723
EVANS Russell	2487	066-74-2138	CAMILLER Bruce	4019	07--284-3007
ROSS Christopher	2608	06-231-0453	BLACK Graham	4020	07--883-1525
WALDOCK Mathew	4010	07--350-1771	STRINGER Tim	4030	07--857-4424

Name	P.Code	Phone Number	Name	P.Code	Phone Number
LOCKYER David	4032	07-359-1638	SMITH Helen	4121	07-892-5337
LOCKYER Michael	4032	07-359-1368	LOBODIN Nickolacc	4121	07-349-3246
SELLERS Jeffrey	4032	07-359-1339	MILLAR Ian	4122	07-343-4261
PIPER Mark	4034	07-285-5823	FITZPATRICK Stan	4122	07-349-3881
SOLLY Paul	4034	07-263-6828	MacDONNELL Brian	4122	07-349-5702
MacLEAN Rodrick	4034	07-262-4205	GODBEHERE Robert	4127	07-808-3892
HOUSTON Andrew	4034	07-359-6458	WHITTAKER Norma	4127	07-208-4025
COADE Peter	4034	07-265-6425	MILLAR Stanley	4129	07-801-1091
HUME Michael	4035	07-264-3729	JONES Kevin	4151	07-397-9576
GORTA Peter	4035	07-264-2723	ARCHOS Keith	4152	07-395-1209
GALT Geoffrey	4051	07-356-5226	CONSTANTIN Louis	4152	07-395-2857
BAKER David	4053	07-857-4067	WOBCKE Graham	4152	07-398-3676
FORTESCUE Jeffrey	4053	07-355-4431	KEYNES Nathan	4152	07-395-5501
MacFARLANE Shane	4053	07-359-5607	LEHMANN Dr.Rainer	4153	07-390-4323
DONALDSON Ryan	4053	07-353-2296	BURGESS Robert	4157	07-390-2215
KIRCHER Gard	4055	07-351-5113	STEPHAN Lyle	4157	07-390-2780
CROSDALE Vince	4055	07-351-3090	LYNDON Robert	4160	07-207-2706
LONGHURST Andrew	4061	07-330-3320	DUGGAN Bruce	4161	07-824-4632
SEET Nicholas	4061	07-300-3162	BRITTAIN Tony	4165	07-206-8232
LOWIS Stephen	4061	07-300-3079	KATEIFIDES Peter	4165	07-206-6247
EICHMANN Brett	4061	07-300-1261	ALTOFF Joe	4170	07-395-6719
BASHFORD Peter	4064	07-369-8701	MATHER Anthony	4178	07-368-2420
GALEAZZI Celso	4066	07-371-8054	DAY Steve	4207	07-807-2076
PHILLIPS Bill	4066	07-870-9766	MacDONALD Peter	4210	075-53-3668
BRUCE Andrew	4068	07-870-0070	CRAIG Robin	4211	075-96-4954
SCHOONENS Cas	4068	07-870-4824	HAMILTON Ian	4211	075-33-2216
WHITE Ann	4068	07-371-4067	GRAY John	4214	075-946-555
ARCHIBALD Scott	4069	07-378-9167	MILLER Jill	4216	07-57-3094
COBHAM Geoffrey	4069	07-378-8217	RODGIE Dale	4217	075-91-2819
BLACKETT Len	4069	07-378-3963	JOSEPH Michael	4218	075-91-7797
RABAA Peter	4069	07-378-2104	KEVI Michael	4221	075-34-5419
BROWN Gordon	4070	07-202-6773	GOELLNER John	4226	075-93-1539
RICH Roy	4070	07-202-6135	COWAN Barbara	4280	07-802-1910
PULMAN James	4074	07-376-1213	MENSFORTH Kimble	4304	07-202-4221
SANDERS Philip	4074	07-376-8900	WILSON Steven	4304	07-282-6868
ALLAN Robert	4074	07-376-4069	JEFFREY Graeme	4305	07-288-9735
JONES Ian	4074	07-376-4729	BUCHANAN Phil	4306	07-294-6842
LOWE Bernic	4075	07-372-3400	LYONS Cheryl	4310	075-63-5891
DONNELLY Austen	4075	07-892-4848	SHARPE Greg	4343	075-62-2058
YOUNG John	4077	07-372-1548	RIETHMULLER Kevin	4350	076-32-3552
COBBING Kerry	4077	07-372-6326	TURNER Hilary	4401	076-91-2746
O'SULLIVAN Dermott	4101	07-844-9360	HUNTER Lorraine	4500	07-264-3640
CONRICK Mrs.Moya	4101	07-844-7912	JOHNSON Bernard	4500	07-881-0212
ROBINSON Robbic	4102	07-391-5774	SHAW James	4510	074-95-3457
LITTMANN Mervyn	4103	07-892-5756	LAVER David	4510	071-95-1052
LAW Kay	4103	07-359-9454	ASPLAND John	4510	07-368-2420
KING Shannon	4105	07-848-9713	MANN Sheryl	4510	074-96-7401
McCOTTER John	4109	07-349-1986	BUTLER Roger	4520	07-289-1966
MELLICK Oli	4109	07-349-0703	WEBSTER Cedric	4556	071-45-2147
SMITH Ken	4109	07-345-1995	BONE Geoffrey	4567	074-47-3560
BENSON Bernic	4109	07-345-1545	SHEPHERD Peter	4570	07-84-6305
PETTIGREW David	4116	07-273-2140	KREBS Bradley	4670	071-52-4165
GRAY Marion	4118	07-800-7996	KIDD Trevor	4701	079-34-8274
SAGGERS Kelvin	4118	07-800-4660 *1	MANLEY Lisa	4740	079-57-6442
PEARCE David	4119	07-803-5144	GILLARD Brian	4741	079-58-5270
BOWRING Anthony	4120	07-397-7785	BYRNES John	4810	077-73-1330
DUTTON Brett	4120	07-397-8087	ROWCLIFFE Arthur	6056	09-296-4568
BARNES Robin	4121	07-349-5968			

Micro-Educational exists no more: the company now trades under the name of **Direct Access**, and can be contacted on:

**Phone** - (049) 26-4122  
**Mail** - PO Box 160  
- The Junction. NSW. 2291.

# The Quickie . . .

## A Hand-Held Image Scanner for the Apple // . . .

By Kelvin Sagers

The Quickie hand-held image scanner from Vitesse, allows you to digitize flat graphic images into your Apple // computer, where you can then edit them, and save them in various standard Apple // graphic formats. The images can be anything from text (see the InWords Article in this issue) to photographs, diagrams, and line art etc.

Quickie comes complete with a card that plugs into any expansion slot, the hand-held scanner, complete with cable, a good manual, and the Quickie software. The software come in two formats: ProDOS based software for the Apple //GS, //e, //+, Laser 128, and GS/OS based software for the Apple //GS. Apple //GS users also have the option of installing a Quickie New Desk Accessory (NDA) if you wish to. The disks are not copy protected (way to go), and as Vitesse recommend you should back them up as soon as possible. Lack of copy protection also makes life easy for owners of hard drives, enabling you to install the software on your hard drives without any hassles, or the need to keep dragging out the original disk before you can access the software. Both sets of software come on bootable disks, 5.25 for the ProDOS version, and a 3.5 disk for the GS/OS version.

### System Requirements

**ProDOS Version:** You can run the Quickie ProDOS software in as little as 64k with any RAM above this being used to increase the scan length available for any one pass over the image. The hand-held scanner head, contains a light-emitting diode (LED) array which can scan in an image that is about 4 inches (100mm) wide. The length of the image you can scan in depends on your memory and the resolution you have selected.

If you use the ProDOS version of the Quickie software with an Apple //GS it should be remembered that you must set the slot as Your Card in the control panel. This could cause problems if you have a 3.5 drive in the Smart Port (slot 5) and then assign the Quickie card to the same slot, so with the ProDOS software you should take care in selecting the slot you use. This is not a problem if you use the GS/OS software; the card can be used in any slot without the loss of access to the device assigned to it (e.g. printer, modem or disk drives), and you have no need to touch the control panel settings.

**GS/OS :** The Quickie GS/OS software requires system 5.02 or later, and a minimum of one megabyte of RAM to run in. As noted above, the card can be placed into any vacant

expansion slot (slot 1-7) and no control panel setting need to be changed. If you are using slot 2 as a modem port for example you can still plug the Quickie card into that slot and retain access to the modem port.

Aside from the normal GS/OS version, Vitesse have also provided a Quickie NDA that can be installed in the Desk Accessory folder within your Systems folder. Quickie Icons and help files (for both formats) are also supplied.

**General:** As with the installation of most expansion cards you should have no problems as long as a little bit of care is taken. One little warning here: most vendors ask you to turn off your computer but leave the power lead in to supply an earth and then touch the power supply case to ground yourself. This is well and good if everything is OK, if things are not OK or something is wired wrong, the switch or supply is faulty etc. you might be in for a shock . . . so if you must touch a power supply case to ground yourself, do so with the back of your fingers. that way if you do receive a shock the natural action of the hand clenching will pull your fingers (hand) away from the metal work.

Note - I found it easier to install the small DIN plug on the rear panel before I installed the Quickie card, maybe I've got big fingers - Ed. Additional cards (SUS 99.00 to registered users) are also available from Vitesse if you own more than one computer e.g. schools and work. Simply unplug the scan head from one computer and plug it into the other, killing the power first of course.

### Quickie - The ProDOS Version.

The ProDOS version of the Quickie software does not have all the features of the Apple //GS GS/OS version but it is still a neat and powerful package. It is designed to work on any Apple // with expansion slots, from an Apple //+ to an enhanced Apple //e.

After you boot the ProDOS Quickie software it should find the slot you have placed the Quickie card into, but if it does not it will prompt you for the slot number. If your Apple // contains 64k of aux memory then ProDOS will automatically create a volume called /RAM, but if you wish to, you can instruct the Quickie software to recover this RAM, and give you extra memory for longer scans.

### Scan an Image - ProDOS Style.

Once you have chosen how you wish to use your available RAM, you are presented with two options - Quit to ProDOS, or Scan New Image. If you elect to scan an image you are placed in the Scan Menu, with the following options:

#### Book Sale

Apple-Q has some old magazines and books it would like to give away or sell cheaply...

Contact Ian Millar, the Hard Copy Librarian, at the next meeting for more details...

Quickie (tm) for the Apple II  
Copyright 1990 by Vitesse Inc.

Written by Robert Morgan  
Original Drivers by Christopher Warner

### Quickie Scan Menu

Scan the Image  
Change Scan width  
Change Scan height  
Aspect Correction is ON  
Timeout is ON  
Don't Scan an Image.

Mode of Scan :	Normal Hi-Res
Width / DPI :	4 inches @ 300 DPI
Length of Scan :	Available Memory
System Speed :	Normal (1 MHz)

The bottom four lines list the current setup, the scan mode for example can be set to Double Hi-Res (560 x 192 pixels) on say an Apple //e with 128k of memory, or Hi-Res (280 x 192 pixels) on a 64k Apple //e or //+. The scan width can be adjusted in one inch (25mm) increments up to four inches (100mm). This allows you to scan longer images in one pass. The scan length is normally tied to your computers available memory, but you can set it lower if you wish, again in one inch (25mm) increments, up to a total of nine inches (225mm) (if you have the memory). The system speed is of course linked to any accelerator chips, or cards you might have installed.

The Aspect option toggles ON and OFF. When it is set to ON it adjusts the image so that the image on the screen retains the same height to width ratio as the original, but when it is set to OFF no adjustment is made and the screen image will look a lot taller.

The Timeout option will automatically turn off the scan head if no data has been received within ten seconds, this helps prolong the life of the scan head, and so it is best left in the ON position.

Before you begin to scan an image you should preset the DPI switch, light / dark thumbwheel, and the letter / photo switch. The DPI (Dots per Inch) switch is adjustable from 100 to 400 DPI in 100 DPI increments, with 100 DPI giving the smallest image, and 400 DPI the largest. The light / dark thumbwheel is infinitely variable across its range and should be adjusted to suit the image, with the position around the central position being normal. The Letter / Photo switch should always be set to the letter position under the ProDOS software as the software does not recognize the other positions in the current ProDOS version (the Apple //GS software does however). The letter position does not recognize half tones etc. and is mainly used for drawings, diagrams and text etc.

Once you have set the scan head controls, and the Quickie software set up, the actual scan is simplicity it's self. You

simply select Scan an Image and if all is well the green LEDs on your hand-held scanner head should light up. Quickie is now ready to scan your image, so just position the head over it and press the hand-held scanner's start button. As you run the scan head over the image, Quickie will produce a tone via your Apple's speaker as a guide to the speed you are scanning in at (unless of course you have turned this function off). You should also take note of the single green LED on the top of the scanner, because if it 'blinks' whilst you are scanning in your image, you have missed some part of the image, because you moved the scan head too fast over the image or part of it.

After you have finished the scan (either you have run out of memory or hit Return) the image will appear on your screen. As the image in memory is likely to be larger than the one screen size allowed by ProDOS graphic file formats, you must first scroll the image around until the screen displays the part of the image that you wish to save. You should always do this before you attempt to save any image, in either Hi-Res, or Double Hi-Res format, or you might find that what you have saved is not the picture you wanted.

## Quickie - The GS/OS Software.

The Apple //GS GS/OS Quickie software suffers none of the limitations of the current ProDOS version as it now stands, and has many more options available for you to access, all at the click of a mouse button.

The scan head controls work in much the same way as they did under the ProDOS software, but you also have control over the three photo settings on the lefthand side of the head. These positions show images with different grey tones by electronic means when the head encounters shading on the image that it is scanning, e.g. a photograph. The Photo switch settings are best used in conjunction with the Grey Smoothing Option which you will find under the Quickie menu option. The best way for you to use these options is by trial and error, as you will find that each combination produces better results with some types of images than with others. You should not however use the Grey Smoothing Option with the switch set to the Letter position as strange results will occur. *The only thing unclear at this point in the manual is simply which switch is Photo one, which is Photo Two, and which is Photo Three... as the only example given, that I can find, talks about the middle Photo switch, and refers to it as Photo Two - ED*

## Scan an Image - GS/OS Style.

The Apple //GS software uses the standard GS/OS desktop. The first thing you should select is the mode you wish to work under - 320 graphic mode allows 16 independent grey tones, or the 640 graphic mode for more detail.

If you wish to use one of the Photo switch settings then you should first select the Grey Smoothing Option we talked about earlier, which in turn allows you to access other

options, such as Pseudo Grey, Balanced Greys, Dithered Greys and True Grey and all their sub-options. The Sub-options provide you with choices to change the way the scan is treated by the software when producing the image on your screen by use of different grey smoothing algorithms, e.g. Generic, and Photo Three. Most of your scans should work fine with either the Generic or Express smoothing options, and they are also faster than the Photo algorithms, but you shouldn't allow this to stop you from experimenting with the other options in an endeavor to fine tune your scanned image.

You also have software control over the size and sharpness of the screen image from this menu.

Before you scan you can also choose to allow Quickie to Blend the individual lines of a scan to give a smoother image. You can also set the Aspect of the image you wish to scan, that is, you it can make it taller and shorter. This option is very useful when you wish to use your images with some programs / printers in order to retain the correct ratio when you import or print the image, as compared to what is correct on your screen. For example AppleWorks //GS Page Layout section, when printing in condensed mode, requires any graphics to be twice as high as normal so they print out as normal sized images alongside the text.

The Quickie GS/OS software also allows you to define the way in which you wish to scan in your image. You can do so either in Portrait mode which is the normal top to bottom method, or in Landscape mode which allows you to scan left to right.

Once you have set the software and scan head up to suit your needs, you simply select scan from the Quickie menu, and then OK to start. The scanner operates in much the same manner as it did under ProDOS with the exception that you can see the untreated image appear on your screen as you scan your image in. After your scan is completed a standard thermometer type display appears on the screen as the Quickie software treats the image as per your settings.

## Edit and Save the Image . . .

You can now edit the image in memory from within Quickie it's self. The editor contains commands to Rotate, Flip, Invert, Cut, Paste, Copy and Resize all or part of your image. A part of an Image can be taken from one image in memory and pasted into another etc. There is also a Fat Bits option to blow up your image five times larger than normal for detailed editing. The more images you have in memory the less you have for scanning in new ones, so it is best to remove and or save an image as soon as possible to free up more memory and allow for longer scans.

You can save your images in several different formats these include:

- Screen Format {640 x 200 pixels} {65 blocks long}
- Paint Format {640 x 396 pixels} {compressed}
- Apple Preferred Format {compressed}
- Print Shop GS Format
- Double Hi-Res Format {560 x 192 pixels}
- Hi-Res Format {280 x 192 pixels}

The default being the Screen Format. Should you choose to save your image you will be presented with the standard Apple GS/OS file requester layout. If you choose a format that will not contain the whole of the image you have in memory, then the Quickie software will show you a reduced version of your image with a window overlaid over it showing the area that can be saved under the format you have chosen. Simply move the window around until it contains the section of the image you wish to save and then save it.

The Apple //GS version as you can see is a lot more powerful than the current ProDOS version but each is tailored to use the power of the machines they were designed for as much as possible. It is to be hoped that Vitesse might build on the ProDOS version and allow use of the Photo switch options and maybe supply an editor. I myself have only used the Apple //GS version with a Transwarp and can verify that it is both fast and easy to use, and produces excellent results on the screen. The NDA version would take up valuable memory that I don't have to spare at present so I do not it, and it would also lock out access to the slot the Quickie card was plugged into whilst the NDA was active, which could also prove a problem if you are not careful and place the card in the wrong slot. The manual refers to a list of features available from the NDA but in fact does not list them.

## The Bottom Line. . .

The Quickie is an excellent hand-held scanner that when used with the software provided produces very good high quality images which can be saved and used with Art, Hypermedia, & Desktop Publishing etc. type programs. If used in conjunction with InWords {see the InWords article in this issue - Ed} then it can be a powerful tool if you also own an Apple //e or Apple //GS computer, that enables you to scan usable text into your computer for use with word processors or databases etc.

The Vitesse Hand-held scanner costs around \$US200.00 from most U.S. mail order sources {Please if any Australian dealers stock items in any of Apple-Bug's articles - let us know so we can let our readers know}, and should also be available from local Apple dealers.

For more information please contact :

Vitesse Inc., 13909 Amar Road, Suite 2  
La Puente, CA 91746-1669. U.S.A.

Phone {U.S.A.} (818) 813-1270

### Queenslands Electronics Trade Expo

**Date:**  
 Wednesday 8th May                      10am-8pm  
 Thursday 9th May                         10am-6pm  
**Venu:**  
 Exhibition Building RNA Showgrounds  
 Brisbane.

# Apple StyleWriter . . .

By Kelvin Sagers.

*The following is an extract from the Apple data sheet for the new Apple StyleWriter Thermal Ink-jet printer. - Ed.*

## Overview

The Apple StyleWriter printer makes laser-quality printing of text and graphics more affordable than ever for individual users of Apple Macintosh personal computers. It is ideal for people who want laser quality printed results for correspondence or general use. It also offers a convenient and very quiet personal printing alternative for people who share an Apple LaserWriter printer on a network, or people for whom confidentiality is important.

With its sleek design and small footprint, the StyleWriter printer fits easily in even the smallest spaces. It prints one-half page per minute on average, and up to one page per minute in draft mode. It comes with a detachable sheet feeder that automatically feeds up to 50 sheets of paper into the printer. Users can also print without the sheet feeder; front and rear manual-feed options simplify printing of single

sheets of letterhead, envelopes, labels, or transparencies.

The StyleWriter printer comes with four TrueType font families: Times, Helvetica, Courier, and Symbol. TrueType, Apple's advanced font technology, allows Macintosh users to print high-quality text in any size, and makes the text on the screen appear smoother and more legible. In addition to the TrueType fonts that come with the StyleWriter, the printer supports a wide variety of TrueType fonts that are available from other suppliers. These include text and headline fonts, symbol fonts for special purposes, and novelty fonts for decoration.

It takes just a few minutes to set up the Apple StyleWriter printer and begin using it, because it comes complete with all necessary hardware, a variety of fonts, and support for all Macintosh applications. There's no need to buy additional cables, interface cards, special printer drivers, memory, or font cartridges.

## System Requirements

The StyleWriter printer works with any member of the Macintosh family of personal computers that uses system software version 6.0.7 or later and a minimum of 1 megabyte of RAM.

Features & Benefits	
Features	Benefits
<ul style="list-style-type: none"> <li>• 360-dot-per-inch (dpi) resolution</li> <li>• Thermal ink-jet technology</li> <li>• User replaceable ink cartridge</li> <li>• TrueType font technology</li> <li>• Four TrueType font families: Times, Helvetica, Courier, and Symbol</li> <li>• Support for a wide range of printing materials</li> </ul>	<ul style="list-style-type: none"> <li>• Produces laser-quality printed results, both text and graphics - for memos, reports, letters, presentations.</li> <li>• Offers an affordable alternative to laser printers.</li> <li>• Ensures quiet operation.</li> <li>• Ink cartridge prints up to 500 pages of text and graphics before it needs replacing.</li> <li>• Lets users print documents in virtually any type size and a wide range of styles.</li> <li>• Allows fonts of any size or style to be displayed sharply on the Macintosh screen.</li> <li>• Meets the needs of most users for producing reports and presentations.</li> <li>• Lets you print documents in virtually any type size and a wide range of styles.</li> <li>• Allows users to produce documents that contain equations and formulas.</li> <li>• Lets users print on a variety of materials - including photocopy bond, letterhead, colored stock, envelopes, labels, and overhead transparency film.</li> </ul>

Features	Benefits
<ul style="list-style-type: none"> <li>• Detachable cut-sheet paper feeder</li>   <li>• Two manual-feed slots</li>   <li>• Image utility software</li> </ul>	<ul style="list-style-type: none"> <li>• Provides automatic feeding of up to 50 sheets of paper.</li>   <li>• Rear manual-feed slot simplifies printing on materials such as envelopes, labels, transparencies, and heavy paper.</li> <li>• Front manual-feed slot provides easy access when manually feeding standard paper or letterhead.</li>   <li>• Lets users convert 300-dpi halftone images (PICT format) for printing at 360 dpi, the maximum resolution of the StyleWriter</li> </ul>

## Technical Specifications

### Marking engine

- Canon BJ-10e Thermal ink jet (Apple Custom Designed)

### Printer RAM

- 64K (8K used for buffer)

### Print quality

- 360 dots per inch (dpi) for text and graphics
- 180 dpi in draft mode

### Font families

- Times, Helvetica, Courier, and Symbol in TrueType

### Type styles

- Regular, bold, italic, and bold italic, with additional styles depending on the application

### Support for additional fonts

- The StyleWriter printer can support additional TrueType fonts from Apple and other suppliers.

### Speed\*

- Normal mode: typically one-half page per minute
- Draft mode: up to a page per minute

\*Actual speed depends on the images printed.

### Interfaces

- Apple serial Cable (Cable included in Accessory Kit)

### Ink cartridge

- User-replaceable
- Capacity: up to 500 pages (Two cartridges included in Accessory Kit)

### Paper feed

- Automatic with detachable cut-sheet feeder (Capable of holding 50 sheets)
- Front and rear manual feed

### Print materials

- Media
  - Apple recommends 20-lb. cotton bond (75 g/m<sup>2</sup>), though the printer also accepts: 16-lb (60 g/m<sup>2</sup>) to 28-lb (105 g/m<sup>2</sup>) paper.
  - Most letterhead and colored stock
  - Labels
  - #10 business envelopes (9.5 - 4.125 in.)
  - 3M brand CG3480 transparency film
- Sizes
  - Paper: U.S. letter, U.S. legal, A4
  - Envelopes: #10 business envelopes

### Paper capacities

- Sheet feeder: up to 50 sheets of paper (To print envelopes, transparencies, and labels, use the rear manual feed slot.)

### Printable surface\*

- Maximum printable line: 8.0 in. (203.2 mm)
- Minimum top and bottom margins: 0.25 in. (6.35 mm)
- Minimum left and right margins: 0.25 in. (6.35 mm)

\*The actual printable area may vary depending on the application.

### Size and weight

- Height: 12.5 in. (32 cm)
- Width: 13.25 in. (33.6 cm)
- Depth with output tray closed: 5.6 in. (14.2 cm)
- Weight: 7.5 lb. (3.4 kg)

### Operating environment

- Temperature: 59° F to 86° F (10° C to 35° C)
- Humidity: 20% to 70%, non-condensing
- Printer should be kept away from wind and fans

### Power requirements

- Europe/Australia: 220 to 240 volts AC, 48 to 62 hertz

### Power consumption

- 25 watts maximum at 220 volts

**For more information contact your local Apple Dealer or:**

Apple Computer Australia Pty. Ltd.  
 16 Rodborough Road,  
 Frenchs Forest,  
 NSW. 2086.  
 Ph (02) 452-8000.

**Note - If you missed StyleWriter demonstration at the April Apple-Q Inc. meeting by Computer City, you can always drop into Computer City for a demonstration by their friendly staff. - Ed.**

### Articles Wanted

Articles for Apple-Bug are urgently needed. Starting from next months issue, a prize will be offered for the best article recieved each month. Committee members are excluded, and will select the winner each month.

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Payment By:  Bankcard  Mastercard  
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Disk or Pack Name	5.25"	3.5"	Price
.....	<input type="checkbox"/>	<input type="checkbox"/>	\$.....
.....	<input type="checkbox"/>	<input type="checkbox"/>	\$.....
.....	<input type="checkbox"/>	<input type="checkbox"/>	\$.....
.....	<input type="checkbox"/>	<input type="checkbox"/>	\$.....
.....	<input type="checkbox"/>	<input type="checkbox"/>	\$.....
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Please fill in this form, tick the appropriate boxes and send the form to Apple-Q Inc., P.O. Box 721, South Brisbane, Queensland 4101. Please enclose your remittance with this form.

- Membership Application
- Renewal of Membership

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**Membership Fees**

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A membership list is published every year in the Newsletter. Only your Name, Suburb and Phone number, are listed. Do you require exemption from this list?  YES  NO

**System Information**

- Apple II  Apple II+  Apple IIc
- Apple IIe  Apple IIgs  Apple III
- Macintosh  Other: .....

Members are reminded that the copying of commercial software is not sanctioned by the Apple-Q Inc., and that members who do so, risk expulsion from the group.

I hereby declare that the above details are true and correct, and agree to abide by the Rules and Regulations of the Group.

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