

APPLE-BUG

is the Newsletter of APPLE-Q: the Brisbane Users' Group.

Post Office Box 721 - South Brisbane - Qld 4101.

April 1987

[In this issue]

- > Editor's Notes <
- > Secretary's Notes <
 - > BBS Report <
- > Special Discount Offers <
 - > New Release <
 - > Book Reviews <
- > Letters to the SYSOP <
 - > Membership List <
 - > Software Library <
- > Membership Renewal Form <

NEXT MEETING: - 19th APRIL 1987

***** EASTER SUNDAY *****

<<< CREDITS >>>

| | | |
|--------------------|----|-------------------------|
| Graham Black | -> | He typed it all in |
| Vince Crosdale | -> | He typed some too |
| ZARDAX II | -> | Word Processing |
| EPSON LQ-1500 | -> | Typesetting |
| the Hooper Centre | -> | Printing & Distribution |
| the APPLE computer | -> | The reason for it all |

[Executive Committee]

Terry Sweetser - Chairman.
 Vince Crosdale - Secretary - BBS Co-Sysop.
 Eric Conolly - Treasurer.
 Graham Black - Registrar - Trading Table Manager - BBS Sysop.
 Peter Lane-Collett - Assistant Editor.
 Richard Egglefield - Hardcopy Librarian.
 Bob Godbehere - Software Librarian

[Bulletin Board System (BBS)]

Apple-Q RABBS : online 24 hrs
 Telephone : (07) 284-6145 (DATA)
 : (07) 883-1525 (VOICE)
 Baud Rates : 300, 1200/75, 1200 and 2400. CCITT and BELL
 Data Specs : 8 Data bits - No Parity - 1 Stop bit (Full Duplex)
 Sysops : Graham Black - ph.883-1525 (Note: New Phone No.)
 : Vince Crosdale - ph.351 3090

BBS equipment : Apple //e 128k
 : 1 x 800k 3.5" drive
 : 2 x 1 meg. Ram Cards

SYSOP stands for: SYStem OPERator
 RABBS stands for: Remote Apple Bulletin Board System

The BBS will be on show at each Open Day.

[What's When]

Sunday 19th April 1987 (Easter Sunday)
 Open Day at the Hooper Centre.
 Hours: 9.00.am. till 4.30.pm.

Monday 20th April 1987 (Easter Monday)
 Committee Meeting at the Hooper Centre.
 Starts: 6.30.pm.

Sunday 17th May 1987
 Open Day at the Hooper Centre.
 Hours: 9.00.am. till 4.30.pm.

Monday 18th May 1987
 Committee Meeting at the Hooper Centre.
 Starts: 6.30.pm.

Mailing labels. Your membership number and membership expiry date are on the first line (at the top) of the mailing label. Your expiry date is in the form year/month e.g. 8709 = 1987 September.

Example:

```
-----  
MBR # 0068 - Exp: 8709  
  
THE SECRETARY  
APPLE-Q: THE BRISBANE USERS' GROUP  
P.O. BOX 721  
SOUTH BRISBANE. QLD      4101  
-----
```

We require an address for each of the following members:

#0040 Ted Steiler
#0284 Neville Hack
#0302 Paul Clewley

Many thanks to the few members who have taken the time to fill in the Membership Renewal forms, and return them to us so we could update the club records.

At the March Executive Committee meeting, the matter of increasing the membership fees was discussed at length. The New Membership Fees are as follows:

Joining Fee: \$10
Adults/Family: \$20
Students/Pensioners: \$12

(Students under 21 years - Pensioners on production of Pensioner Card
- at the discretion of the Executive Committee)

The club's power packs are disappearing. We used to have enough to go round all the members when they set up their equipment, but now we only have twelve (12) left. We cannot afford to replace them when they go missing, as they are quite expensive. We have lost, on an average, one power pack per month, over the last twelve months. Is someone out there collecting power packs?

Two of the missing extension cords have been located.

We have been ask by many people if the club is an Incorporated Society. The answer has always been NO. Moves are now underway to incorporate. Bernie Benson has volunteered to set things up for us through the Justice Department Incorporation scheme. He has already started preparing the constitution, and will have something prepared for the next committee Meeting, which will be held the on 20th April at the club rooms.

[Editor's Notes]

We desperately need an Editor. If you would like to take on the job of typing in other members contributions, and generally getting the newsletter ready for the printer, then please make yourself known to the committee. This

position was not filled at the AGM, and we are still looking for someone to fill it. Please also remember that this position requires the member to be of a legal age so that they are capable of signing cheques for the club.

[Secretary's Notes]

It never fails to amaze me just how much faster the years seem to go by each time around. Here it is, Easter again, and it seems like just the other day that it was only Christmas. I think it must have something to do with the amount of time that we spend doing this newsletter.

We have been busy over the last month with a large amount of correspondence passing through our hands in relation to our meeting with Apple Queensland a while back. We have contacted the southern States, and have been informed by them that they also recieved the same treatment from Apple. The Apple Users Society of Melbourne (AUSOM) have told us that their equipment was donated to them by a dealer that has special ties with the user group. Therefore, it appears that it would be back to the drawing board for us. However, we have had an offer from Apple Queensland for two 5 megabyte hard disk drives at staff prices. We are seriously considering this offer, but after advice from one of the Committee members that a few members have stated that they think too much money is being spent on equipment for the BBS, I would like to ask all members to state what they would like to see the club doing with the funds that the club raises. If you have any ideas at all, then please let us know. We are open to suggestion from all members and we would like to hear from you. If we get no feedback from members, then we will assume that it is fine to go ahead and purchase the drives from Apple.

Another matter which may cause concern amongst club members is the rise in membership fees. The Committee approved at the March meeting, a new fee structure for the club. We have raised the adult membership fee to \$20 (up \$2) and the student/pensioner fee to \$12 (up \$3). We have also introduced a joining fee of \$10. This joining fee will not affect current members of the club. We announced that we were looking at increasing the membership fees in a previous newsletter and we asked for feedback on this matter. To date I have recieved one letter about this. We have tried to keep the membership fees the same as previous for as long as possible, but unfortunately the time has come prematurely. The club is becoming incorporated and the cost of the day to day operation of the club has escalated over the years. Therefore, we feel that it is necessary to up the fees slightly. The raises were kept as low as possible, and we would like all members to remember that it is only once a year that you pay fees, and the raise, in the worst case, is only 6 cents a week.

A few newsletters and magazines have been recieved over the past month, and I will get these to Richard as soon as possible. We have also recieved a lot of enquires from Apple users in regards to both membership and problems that they are experiencing with their machines. We have endeavoured to answer all these enquires, but if we have missed someone out, it is not intentional and we will get around to them in the very near future.

The main feature of the newsletter this month is the membership list. This list contains names, suburbs and phone numbers of members of Apple-Q. Please do not abuse this list, it is put in for your convenience, and I would ask that any member that has any trouble from other members abusing this list to please contact us with the relevant details and we will take the appropriate

action against these people. The list is put in at the request of a lot of members of the club who for mixed reasons cannot make it to the Open Days and asked for the list so that they could get in touch with other people in their area who may be able to help them with a problem they are experiencing.

Well, that's about it for this month. I will not be able to attend the April Open Day as I will be heading off to Gladstone to attempt to win a concrete canoe race. So if you have any enquires on the Open Day, please direct them to Graham or any of the other Committee members present.

So until next month, Good Computing.

[**BBS Report**]

by **Graham Black**

We have been having a bit of trouble with some users not being able to get on the system. It was discovered that power spikes were affecting the Non-volatile memory of the modem. We have corrected this (I hope) by resetting the modem defaults on a regular basis. If anyone has any trouble connecting, please let us know. If you are using the BELL tones, you can expect trouble from time to time.

Just to make matters worse, two weeks ago, the system decided to roll over and turn up its toes. This did not exactly fill me with overwhelming joy, with the prospect of having to put the BBS over onto my system (again). The club's computer is currently in for repairs, and should be back up and working by the time you read this newsletter. Delsound Electronics have been good to us again, and have loaned us a computer to keep the system up and running.

The on-line games, Stock Market and Casino, are increasing in popularity. As the funds become available, we will improve these areas of entertainment.

Calls to the system : 2819
Registered Users : 242 (as of midnight 8th April)

[**Special Discount Offers**]

The following Dealers, have offered a cash discount on all Apple products to FINANCIAL MEMBERS ONLY, on production of CURRENT membership cards. Please note: Members MUST produce their current membership cards if they wish to take advantage of this offer.

DELSOUND ELECTRONICS

1 Wickham Terrace (corner Wharf Street), Brisbane
telephone: (07) 839-6155
ask for John

COMPUTER ORCHARD

671 Gympie Road, Chermside, Brisbane
telephone: (07) 350-1255
ask for Scott

THE BYTE CENTRE

49 Park Road, Milton, Brisbane
telephone: (07) 369-4099
ask for James Donegan

[New Release]

Apple introduces an updated //e

The Apple //e now features an expanded keyboard with a numeric keypad, a platinum colour scheme, and 128k of RAM memory. Apple announced in mid-January. The new model is otherwise little changed from its predecessor - even the price remains the same.

The new keyboard has the same layout as the //GS keyboard, but the heavier feel of the older //e keyboard. The reset key has been moved above the ESC and I keys and the power light is now above the slash key on the numeric keypad. The numeric keypad's CLEAR key, which returns a control-X on the //GS, is a duplicate ESC key on the new //e. By means of a hardware-jumper cut-and-paste operation, you can make it match the //GS, however.

In addition to the visible changes on the exterior of the computer, the machine uses a revised motherboard that Apple has actually been putting in new //es since October. The new board includes 64k of RAM in just two chips instead of the previous eight and uses just one ROM chip instead of the previous two. The contents of the ROM are unchanged. The motherboard has also been revised slightly so that an additional 64k of memory can be placed on a very small card that is inserted into the auxillary slot during manufacturing. Thus, all units now come with 128k memory. The internal numeric keypad connector was retained.

The shift-key mod. In order to allow mouse-based software to detect a "shift-click" (simultaneous presses on a shift key and the mouse button), the new motherboard comes with the "shift-key" modification already wired. This modification originated with the Apple II-Plus, which doesn't support lower-case characters. The II-Plus shift keys affect only the dual-character number and symbol keys. In order to make the shift keys functional with letters too, a scheme was devised whereby users could wire the shift key to the third pushbutton on the game connector. By monitoring that "push-button", word processors and other programs can determine whether the II-Plus shift key is being pressed.

When the original //e was being released, jumper pads were provided at motherboard location X6 to make this an easy modification. Now bow-ties are provided to make it easy to disconnect. Problems can arise because devices that actually use the internal games port's third pushbutton input will cause shift-key-modified machines to go into permanent shifted state unless the modification is removed. In addition, simultaneously pressing the shift key and the third pushbutton input will cause a short circuit on shift-key-modified machines and shut down the Apple //e power supply.

Since the open-apple and solid-apple/option keys are wired to the game connector's first and second pushbutton inputs, this chart and program show you how to read all three keys:

| <u>decimal</u> | <u>-decimal</u> | <u>hex</u> | <u>description</u> |
|----------------|-----------------|------------|--------------------|
| 49249 | -16287 | \$C061 | PB0, open-apple |
| 49250 | -16286 | \$C062 | PB1, solid-apple |
| 49251 | -16285 | \$C063 | PB2, shift-key mod |

```

10 IF PEEK(49249)>127 THEN PRINT "You're pressing the open-apple key."
30 IF PEEK(49250)>127 THEN PRINT "You're pressing the solid-apple key."
40 IF PEEK(49251)>127 THEN PRINT "You're pressing the shift key."
50 GOTO 10

```

This program says you are pressing the shift key when you're not, then the

"shift-key mod" is connected. This is always the case on the //GS, which has another means, known as the "modifier-key status register", of telling you not only the status of shift, but also of control, caps lock, option, and open-apple, as well as whether any key on the numeric keypad is down, whether any of the ASCII-code keys is down, or whether the keyboard is repeating. This register is at byte 49189 (\$C025). Here's an Applesoft program that shows how to use it.

```

10 D=PEEK(49189) : GOSUB 1510 : HOME
20 IF B(7)=1 THEN PRINT "The open-apple key is pressed."
30 IF B(6)=1 THEN PRINT "The option key is pressed."
40 IF B(5)=0 THEN PRINT "An ASCII-code key is pressed."
50 IF B(4)=1 THEN PRINT "A numeric keypad key is pressed."
60 IF B(3)=1 THEN PRINT "The keyboard is repeating."
70 IF B(2)=1 THEN PRINT "The caps lock key is pressed."
80 IF B(1)=1 THEN PRINT "The control key is pressed."
90 IF B(0)=1 THEN PRINT "A shift key is pressed."
99 POKE 49168,0 : GOTO 10 : REM clear keyboard strobe
1510 FOR N=7 TO 0 STEP -1
1520 : BN=2^N : B(N)=0 : IF D>BN-1 THEN D=D-BN : R(N)=1
1530 NEXT : RETURN

```

The reason a program might want to know if a numeric keypad key is being pressed is so that it can tell between, for example, the keypad's slash key and the main keyboard's slash key. All of the keypad's keys have main keyboard duplicates. Also notice that bit 5 is meaningful when it has been cleared to zero, while the others are meaningful when they are set to one.

[Book Reviews]

Title: *Machine Level Programming on the Apple II*, //e.
Author: *Graham Keeler*
Published by: *Prentice Hall. 209 pages. (Now in the A-Q Library)*
Reviewed by: *Terry Sweetser.*

The Author intends this book to be an introduction to machine language on the Apple II, and to help readers understand the basic machine architecture of the 6502 and the internal memory organization of the Apple II. This book puts those concepts across very well for advanced and beginner, assembly language programmers, and it helps a bit to know something about the machine before diving into this volume.

Such things as binary and hexadecimal notation are explained in the first few chapters. Further through the text are many good examples and locations inside Applesoft, the assembly programmer can use. Appendices include an ASCII code chart, the effect on the status register of every instruction, and the circuit and artwork for an interface board that can be used with some examples.

Title: *Apple Instrumentation and Control: Circuits and Software*
Author: *by J. Olesky*
Published by: *Prentice Hall. 174 pages. (Now in the A-Q Library)*
Reviewed by: *Terry Sweetser.*

This one is well suited to the hacker with a few years poking inside

computers, or two years into an Electronic Systems Engineering course. The author goes through Parallel I/O, Digital to Analog and Analog to Digital conversion, Power switching, Measuring and Multi-Testing, generating Waveforms, Serial I/O and IEEE-488 Buss interfacing! Example programs are in basic and machine code, and you'll find out how your computer talks to your printer. Well now, this book should be going out on loan on a REGULAR basis. If you need some information on how to do things with Apple the hardware way, then you need this book.

Title: *The NEW Hacker's Handbook*

Author: *by Hugo Cornwall*

Published by: *Century Hutchinson. 169 pages.*

Reviewed by: *Terry Sweetser.*

If you know little or nothing about Computer Communications then GET THIS BOOK. (Who needs to hack?) This book has a good explanation of nearly all advanced data communication concepts accessible through your home computer and modem. The author also uses an OLD APPLE][!!! (I'll deem it the BIBLE of Domestic Data Comms.) The book covers Networks, Videotex, Radio Comms and Hacker's Techniques. The last not being much use unless you happen to have a GOOD general knowledge of most popular operating systems. The author maintains that the fun is getting in, and once there, it can be a real let down - NO GAMES or WORSE - NO E-MAIL!!!
Want to know about Data Comms? - GET THIS BOOK.

Title: *The Computer Controller Cookbook*

Published by: *Creative Computing Press*

Reviewed by: *Peter Lane-Collett.*

This book contains easy-to-follow step-by-step instructions and detailed drawings to guide you in the building of customised paddles, joysticks and other attachments.

There are also two circuits which allow Apple type joysticks to be used on an Atari and Atari joysticks to be used on an Apple.

To make games more realistic, there are more complex controllers such as a yoke for flight simulation games and a steering wheel and pedals for racing car games.

Other attachments include a sketch pad for hi-res graphics and controlled AC power outlets. Suitable software in basic is also included to show you how to use the controllers.

This book is an inexpensive guide to those of you who want that one-of-a-kind controller.

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[Advertisement]

Jason King would like to meet and/or talk with anyone who knows how to get the key in the crevice in *Planetfall* by Infocom. Also, anyone who knows how to get through the maze in *Zork I* by Infocom.

Jason also has an original Apple //e 80-column card for sale (best offer) and he can be contacted at the club or on (075) 35-6520.

[Letters to the SYSOP] from the BBS

From -> BERNIE BENSON (#193)
Date -> 15/03/87 22:05:16
Subject -> More Funds

The following suggestions are submitted in complete ignorance of previous management decisions and also without having read the Club Rules.

This letter is in response to requests for ways to increase the funds in the club coffers.

I think that it would be fair to say that over the years a number of hard working people have applied a lot of their spare time for the benefit of the club members at that time and also for the future. It is the future that these comments are aimed at with the spin off being able to pick up a few dollars along the way.

In referring to the future I believe that the club assets built up over the years should be protected for future members as well as being available for present use.

The asset to which I am referring is the Software Library and to me this appears to be available to all and sundry to copy at will and in some cases to have complete disregard for the club asset, this is evidenced by a reminder on the last page of the current bug which identifies a number of missing disks.

To provide some security to the club asset (the librarian should be the only person with access to the library) and to turnover a few extra dollars it is suggested that the software library be available to members only through a disk purchase basis.

It is suggested that disks be sold at \$5.00 each and that orders must be placed through an appropriate source with delivery free if picked up at the club meets or by payment of a further charge to cover costs if it is required to use the postal service.

At current trading table prices this represents an outlay of \$2.70 for the programs and \$2.30 for the disk. Good value! As the library remains in the control of the librarian the possibility of the loss of further disks is reduced hence the availability of the disks for future members.

This would also make the library available to country members and members who for one reason or another do not attend club meetings. I may be incorrect but I don't think these members presently have software library access.

Library Listing:

I am presently aware of two Apple clubs who offer their library to members at a price and the following is based on their current listing.

A.P.P.L.E. Co-Op - Their list is simply a catalog of each disk with three columns per page. Approx cost \$A7.50 per disk.

Sydney Apple Users Group - Their handbook is a program listing with notes regarding the programs. However, their move to the present presentation has been made over a number of years as their earlier listings were mainly catalog listings only similar to A.P.P.L.E. Cost \$8.00 per disk.

Both charge postage extra.

I do not know the number of disks owned by the club, however I estimate that to catalog a disk, cut and paste the catalog to fit three across a page would take at the most 10 minutes per disk. If action were to be taken in this regard, I would be prepared to back up this suggestion with an offer to prepare the first 25 disks within one week of receiving the disks.

The catalog listing would have to be limited in length to enable them to fit three across a page. For DOS disks Poke 44567,14 limits listing to 15

characters the same as ProDOS and it is suggested that Elite Proportional be used.

With the involvement of a few members under the control of the Software Librarian I am sure that the listing could be available for distribution with the next A-Bug. Further refinements to the listing and maybe the addition of some program descriptions could be a long term objective.

The BBS

The users of this facility also should in some way provide some funds for additions to the system maintenance, replacement and updating etc.

I suggested that members who wish to have access to certain facilities on the BBS (I don't have any suggestions) should pay an additional BBS fee of say \$5.00 and this will tend to help the BBS to be self supporting.

Bernie

From -> GRAHAM SYMS (#18)
Date -> 28/03/87 12:05:16
Subject -> Hard Disk (Profile)

I read with much interest, about the support that Apple has offered the club. I was under the impression that the 5 meg Profile (Hard-Disk) was obsolete. I think a User Group is the best means of FREE advertising, a computer company can have. I know the Dealers are always referring people to Apple-Q, as that was how I came in contact with the club.

This Bulletin Board System, that you Sysops have set up, would have to be proof that the Apple is not just an expensive, overpriced TOY, and I congratulate you all on your achievements of such a massive undertaking, with such limited equipment at your disposal. I feel sure, that without the support of Delsound Electronics and some very generous club members, with the equipment they have loaned the club on an almost permanent basis, this BBS may have remained a dream, instead of becoming a reality. I think the club should go ahead and purchase the 5 meg Profiles for the BBS.

I think the Executive Committee, and the Sysops, have done an excellent job in providing the members of Apple-Q with a first-class on-line facility.
Regards

Graham Syms

[Membership list]

It was requested that if you did not want your name and telephone number listed in A-BUG or on the BBS, then you needed to let us know by 1st April. To date, only a few people have requested that their name be excluded from the list.

Please check your details and let us know if there is any mistake. Especially the phone numbers. This is the current financial list as of 7th April.

| NMBR | NAME | SUBURB | P/C | TELEPHONE # |
|------|-------------------------|-------------------|-------|--------------|
| 0004 | BLACK.GRAHAM.P. | KIPPA RING.QLD. | 4020 | 07-284-0999 |
| 0006 | McDANIEL.GLENN & FAMILY | WELLERS HILL.QLD | 4121 | 07-397-4764 |
| 0007 | BOURNE.DAVID | OKLAHOMA CITY.USA | 73190 | 405-271-6484 |
| 0011 | DICK.BOB | CHAPEL HILL.QLD | 4069 | 07-378-6303 |

| | | | |
|-------------------------------|---------------------|------|--------------|
| 0012 SKINNER. BONNEY | RAINWORTH | 4065 | 07-371-1361 |
| 0013 LEADBETTER. BRIAN | KALLANGUR. QLD | 4503 | No Telephone |
| 0014 WAGNER. DAVID & FAMILY | BARDON. QLD | 4065 | 07-369-3798 |
| 0017 HAINS. GREG | TANAH MERAH | 4128 | 07-206-6200 |
| 0019 ADAMSON. MARGARET | LOGAN VILLAGE. QLD | 4206 | 075-46-3159 |
| 0020 GODBEHERE. BOB | SLACKS CREEK. QLD. | 4128 | 075- 32-7861 |
| 0021 JAKACKI. PETER | ALGESTER. QLD | 4115 | 07-273-5223 |
| 0022 BLACKMAN. MARK | WAVELL HEIGHTS | 4012 | 07-359-0110 |
| 0025 DICKSON. GREGORY | ASPLEY | 4034 | 07-350-1038 |
| 0026 LINDSEY. MARTIN | ROCHEDALE STH. QLD | 4123 | 07-341-6002 |
| 0027 ANGILLEY. FAMILY | SHAILER PARK | 4128 | 07-368-5835 |
| 0028 POUFLIS. JASON | THE GAP | 4061 | 07-300-5312 |
| 0031 SLOOTS. CRAIGE | RIVERHILLS. QLD | 4074 | 07-376-4535 |
| 0032 HARLEY. LORRAINE. J | BELLBOWRIE. QLD | 4070 | 07-202-7318 |
| 0037 MENZIES. Mr. DEION | MORNINGSIDE | 4170 | 07-399-1917 |
| 0039 TOGNELLA. MARK. A | KEDRON. QLD | 4031 | 07-857-1151 |
| 0040 STEILER. TED | | | No Telephone |
| 0043 HOEPPER. ANTHONY. C. | BRACKEN RIDGE QLD | 4017 | 07-269-7521 |
| 0046 OBRIEN. MICHAEL | RUNCORN HEIGHTS | 4113 | 07-345-2902 |
| 0048 KELLY. ROBERT | NORMAN PARK. QLD | 4170 | 07-399-2447 |
| 0049 HART. PAUL. F. | MURWILLUMBAH | 2484 | 066- 72-1973 |
| 0050 MITROW. ALEX | CALAMVALE. QLD | 4116 | 07-273-5150 |
| 0052 THOMAS. MICHAEL & FAMILY | SPRINGWOOD. QLD | 4127 | 07-209-1229 |
| 0054 GISLER. JASON | MANLY. QLD | 4179 | 07-396-9857 |
| 0055 PEACOCK. MURRAY. D | ASPLEY. QLD | 4034 | 07-359-0318 |
| 0056 HOWE. DANIEL | PETRIE. QLD | 4502 | 07-285-1741 |
| 0057 DAVIS. JARED | KEDRON | 4031 | 07-369-0176 |
| 0058 LINGARD. RONALD L | BRIGHTON QLD | 4017 | 07-269-4107 |
| 0059 CHEN. PHILIP | KENMORE. QLD | 4069 | 07-378-8027 |
| 0060 FLORATOS. STEFAN | MANSFIELD. QLD | 4122 | 07-349-0866 |
| 0061 PRZYBYSZ. BRADLEY | WISHART. QLD | 4122 | 07-349-9315 |
| 0062 AKEROYD. LLOYD. D. | TANNUM. QLD | 4680 | No Telephone |
| 0063 O'NEILL. MEGAN. G. | McDOWALL. QLD | 4053 | 07-353-1306 |
| 0064 LAFFEY. MARY | CHANDLER. QLD | 4155 | No Telephone |
| 0065 LOCKYER. MICHAEL | WINDSOR QLD | 4030 | 07-857-4293 |
| 0066 WETZIG. PETER | WILSTON | 4051 | 07-352-5746 |
| 0067 STABLUM. STEVEN | HERSTON QLD | 4006 | 07-852-1572 |
| 0069 SHELLEY. MALCOLM | NORMAN PARK QLD | 4170 | 07-398-3484 |
| 0070 MENZ. KEVIN | YANDINA QLD | 4561 | 071- 46-7632 |
| 0071 RUTHERFURD. BRUCE. W | NEW FARM QLD | 4005 | 07-358-5532 |
| 0073 DINTE. DENNIS | MORNINGSIDE QLD | 4170 | 07-399-5414 |
| 0074 SWEETSER. TERRY | SCARBOROUGH QLD | 4020 | 07-203-4210 |
| 0075 ELTHAM. TIM | BARDON. QLD | 4065 | 07- 38-3136 |
| 0076 COSTELLOE. ASHLEY | TOOMBUL. QLD | 4012 | 07-266-5585 |
| 0077 MAKEPEACE. DAVID | INDOOROOPILLY. QLD | 4068 | 07-378-1530 |
| 0078 HARDING. ROBERT. N | WILSTON. QLD | 4051 | 07-356-5147 |
| 0079 ALDERMAN. STEPHEN | EAGLEBY. QLD | 4207 | 07-807-1990 |
| 0080 BOROUGH. ANDREW | McDOWALL. QLD | 4053 | No Telephone |
| 0081 BRENNAN. MICHAEL | EVERTON PARK. QLD | 4053 | No Telephone |
| 0083 BEATTIE. WILLIAM | WOODRIDGE. QLD | 4114 | No Telephone |
| 0084 SOLLY. PAUL. V | ASPLEY QLD | 4034 | 07-263-6828 |
| 0085 FEREDOS. JOSEPH | EVERTON PARK. QLD | 4055 | 07-355-1227 |
| 0086 RITCHIE. MARK | NUDGE. QLD | 4014 | 07-267-7533 |
| 0087 NELSON. KEN | WAVELL HEIGHTS. QLD | 4012 | 07-266-2239 |
| 0088 JEPPESEN. R. J | ENOGGERA. QLD | 4051 | 07-355-9359 |
| 0089 MALLEY. SHANE | WOOLLOONGABBA. QLD | 4102 | 07-391-6106 |

| | | | | |
|------|----------------------|------------------------|------|--------------|
| 0090 | MULVENA. GREGORY. C | STRATHPINE. QLD | 4500 | 07-205-5751 |
| 0092 | HAWGOOD. DAVID | STAFFORD. QLD | 4053 | 07-356-4621 |
| 0094 | DRAPER. WILLIAM | KALLANGAR. QLD | 4503 | 07-204-5297 |
| 0095 | CHIPPERFIELD. JOHN | EAGLE HEIGHTS | 4271 | 075-045-1942 |
| 0096 | KRUEGER. PAUL. J | CARINA. QLD | 4152 | 07-398-5112 |
| 0097 | SAVAGE. W. F & M. I. | GOODNA. QLD | 4300 | 07-288-2667 |
| 0099 | NOONAN. GREG | ROCHEDALE. QLD | 4123 | 07-341-4503 |
| 0100 | EVANS. CHRIS | EAST IPSWICH. QLD | 4304 | 07-281-5003 |
| 0101 | MOORE. TONY | LEICHHARDT. QLD | 4305 | 07-202-4671 |
| 0102 | TOWNSON. MYLES | IPSWICH. QLD | 4305 | 07-280-2244 |
| 0103 | KELLY. BRIAN | MOOLOOLABA. QLD | 4557 | 071-44-3734 |
| 0104 | YORK. ANTHONY. L | STAFFORD. QLD | 4053 | 07-358-2040 |
| 0105 | WILLIAMS. GORDON | COOPERS PLAINS. QLD | 4108 | 07-345-6163 |
| 0106 | SCHWARTZ A. K. | WISHART. QLD | 4122 | 07-343-1835 |
| 0107 | LARSEN. DES | TOOWOOMBA. QLD | 4350 | No Telephone |
| 0108 | FITZPATRICK. STAN | MT. GRAVATT. QLD | 4122 | 07-349-3881 |
| 0109 | SHEPHERD. PETER | GYMPIE. QLD | 4570 | 071-84-6305 |
| 0110 | CASTON. BEN & VIKKI | WEST END. QLD | 4101 | 07-44-9013 |
| 0112 | TRUSCOTT. ANTHONY. J | WAVELL HEIGHTS. QLD | 4012 | 07-266-8185 |
| 0113 | McCORMACK. JOHN | PETRIE. QLD | 4502 | 07-285-2806 |
| 0114 | PAFF. RONALD. J | SOUTH BRISBANE | 4101 | 07-844-1763 |
| 0116 | MARTIN. JOHN | NOOSAVILLE. QLD | 4566 | 071-49-7107 |
| 0117 | SCHMIDT. BRIAN. R | BEENLEIGH QLD | 4207 | 07-287-5519 |
| 0118 | LOW. B. & FAMILY | DURACK. QLD | 4075 | No Telephone |
| 0119 | YOUNG. ALEX. M | ASPLEY. QLD | 4034 | 07-263-5697 |
| 0120 | PYE. CHRIS. J | DAISY HILL QLD | 4128 | 07-209-5060 |
| 0122 | BRIDGE. PAT | JAMBOREE HEIGHTS | 4074 | 07-376-3685 |
| 0123 | WARD. PERRY | MARYBOROUGH. QLD | 4650 | 071-22-1687 |
| 0124 | STRINGER. JAY | CLONTARF HTS. QLD | 4019 | 07-284-4845 |
| 0125 | O'SULLIVAN. D. F. | WEST END. QLD | 4101 | 07-38-6501 |
| 0128 | SAGGERS. K. R. | BROWNS PLAINS. QLD | 4118 | 07-800-4660 |
| 0130 | DONNELLY. AUSTIN. S | GRACEVILLE EAST. QLD | 4075 | 07-892-4848 |
| 0131 | CONOLLY. E. W. J | BRACKEN RIDGE. | 4017 | 07-261-1860 |
| 0134 | McSWEENEY. SHANE | MARGATE. QLD | 4019 | 07-284-1723 |
| 0135 | EVANS. DAVID | MT. GRAVATT | 4122 | 07-233-6586 |
| 0136 | FINDLAY. GORDON | NAMBOUR. QLD | 4560 | 071-51-4015 |
| 0139 | PAYNE. RON | SURFER'S PARADISE Q. | 4217 | 075-32-6133 |
| 0140 | GRIFFITHS. O. K. | BRISBANE | 4001 | 07-221-4366 |
| 0141 | SELLERS. JEFFREY. A | WEST CHERMSIDE. QLD | 4032 | 07-359-1339 |
| 0142 | LEVINE. JONATHAN | UPPER MT. GRAVATT. QLD | 4122 | 07-349-7765 |
| 0143 | TANTON. GRAHAME | DURACK. QLD | 4077 | 07-372-2881 |
| 0144 | MCDONNELL. BRIAN. V | MT. GRAVATT. QLD | 4122 | 07-349-5702 |
| 0145 | GREAVES. BARRY. J. | BOONAH QLD | 4310 | 075-63-1041 |
| 0149 | MANN. S. J | CABOOLTURE | 4510 | 071-96-7401 |
| 0154 | WILMAN. GEOFFREY | RACEVIEW. QLD. | 4305 | 07-202-1664 |
| 0155 | AMOS. L. G | EVERTON HILLS. QLD | 4053 | 07-359-1954 |
| 0157 | COLLINS. PETER | COORPAROO. QLD | 4151 | 07-262-4743 |
| 0158 | GREGOR. DAVID | McDOWALL. QLD | 4053 | 07-353-1352 |
| 0160 | LITTMAN. M. D | ANNERLEY. QLD | 4103 | 07-48-1539 |
| 0161 | BOURKE. JOHN | CLEVELAND. QLD. | 4163 | 07-286-2311 |
| 0162 | THOMAS. B. P | ASPLEY. QLD | 4034 | 07-263-2866 |
| 0163 | BRENNAN. CLAYTON. S. | JINDALEE. QLD | 4074 | 07-376-3194 |
| 0164 | HARVEY. L. G. | UNDERWOOD | 4119 | 07-341-5382 |
| 0165 | GANNAN. TERRY | ASHGROVE. QLD | 4060 | 07-30-2775 |
| 0167 | CORK. B. A | ASPLEY. QLD | 4034 | 07-263-4285 |
| 0170 | NIGEL-BROWNLEE. J | MACKAY. QLD | 4740 | No Telephone |

| | | | |
|------------------------------|----------------------|------|--------------|
| 0172 BARTLETT. J. D | CLAYFIELD. QLD | 4011 | No Telephone |
| 0187 WHITWORTH. BLUE | SCARBOROUGH | 4020 | 07-203-6721 |
| 0194 WEBSTER. CEDRIC | BUDERIM QLD | 4556 | 071- 45-2147 |
| 0200 COX. DREW | VIRGINA QLD | 4014 | 07-266-8360 |
| 0201 LABBETT. G | LOGANLEA QLD | 4204 | -200-6305 |
| 0206 ANDREWS. GORDON | EVERTON PARK. QLD | 4053 | 07-353-1697 |
| 0207 HARVEY. GLEN. R | UNDERWOOD. QLD | 4119 | 07-341-5382 |
| 0208 CARROLL. JOHN | MAROOCHYDORE. QLD | 4558 | 071- 43-4985 |
| 0212 CROFT. DARRAN | MITCHELTON. QLD | 4053 | 07-354-2082 |
| 0214 WILLIAMS. PETER. C | TWEED HEADS. NSW | 2486 | - 54-9281 |
| 0215 TAYLOR. W. T | SPRINGWOOD. QLD | 4127 | 07-209-1427 |
| 0216 WOOSLEY. RAY | RIVERHILLS | 4074 | 07-376-5643 |
| 0217 BAKER. GARRY | ZILIMERE. QLD | 4034 | 07-265-4872 |
| 0218 RAGUSE. DON | WAVELL HEIGHTS. QLD | 4012 | 07-266-1801 |
| 0219 WARD. RALPH | CHAPEL HILL. QLD | 4069 | 07-378-1175 |
| 0220 PULMAN. JAMES | JINDALEE. QLD | 4074 | 07-376-1213 |
| 0221 DAVIES. GRAEME | CARINA HEIGHTS. QLD | 4152 | 07-398-2342 |
| 0223 KAZOULLIS. STAUROS | ANNERLEY. QLD | 4103 | 07-393-1897 |
| 0225 BIGGIN. LINDSAY | IPSWICH QLD | 4305 | 07-281-1514 |
| 0226 FRANCIS. DAVID | THE GAP. QLD. | 4061 | 07- 30-1484 |
| 0229 BENSON. BERNIE. G | SUNNYBANK HILLS. QLD | 4109 | 07-345-1545 |
| 0230 GORTA. PETER | ALBANY HILLS. QLD | 4035 | 07-264-2723 |
| 0232 EGGLESFIELD. RICHARD | MT. GRAVATT. QLD | 4122 | 07-349-8888 |
| 0233 KING. JASON | BURLEIGH WATERS QLD | 4220 | 075- 35-6520 |
| 0234 CROSDALE. VINCE | FERNY GROVE. QLD | 4055 | 07-351-3090 |
| 0235 WHITLOCK. GAVIN. A | BOONDALL. QLD | 4034 | 07-265-1053 |
| 0237 HUGHES. J | UNDERWOOD. QLD. | 4119 | 07-341-2693 |
| 0240 McINALLY. J. A | ST. LUCIA. QLD. | 4067 | 07-371-8039 |
| 0242 GRIFFIN. BLAKE | OXLEY. QLD | 4075 | 07-379-5886 |
| 0243 LITTLEFORD. CARY | WILSTON. QLD. | 4051 | 07-856-4053 |
| 0250 WOODHEAD. ERIC | Via GYMPIE. QLD | 4570 | 071- 86-7255 |
| 0252 CROUCH. NOEL | THE GAP. QLD | 4061 | 07- 30-1224 |
| 0254 BONE. GEOFF | TOOWONG. QLD | 4066 | 07-371-8820 |
| 0255 THOMSEN. NEAL | THE GAP. QLD | 4061 | 07- 30-3731 |
| 0262 GALEAZZI. CELSO | TOOWONG. QLD | 4066 | 07-371-8054 |
| 0263 CLEWS. ROBERT. G. | MIDDLEMOUNT. QLD | 4746 | 079- 85-7415 |
| 0266 NEALE. BRIAN | Via BANGALOW. NSW | 2479 | 066- 87-1144 |
| 0273 LOCKYER. DAVID | WINDSOR. QLD | 4030 | 07-857-4293 |
| 0274 LANE-COLLETT. PETER | CARINDALE. QLD | 4152 | 07-398-9282 |
| 0275 BLACKETT. LEN | INDOOROOPILLY. QLD | 4068 | 07-378-3963 |
| 0280 CRAIG. ROBIN | HELENSVALE. QLD | 4210 | 075- 53-2883 |
| 0281 HODGSON. GORDON | ASPLEY. QLD | 4034 | 07-263-6483 |
| 0282 DRUMMOND. DAVID | EAST BRISBANE. QLD | 4169 | 07-395-7420 |
| 0283 PHILLIPS. BILL & FAMILY | AUCHENFLOWER. QLD | 4066 | 07-870-9766 |
| 0285 ETHERSON. ADRIAN | BALLINA. NSW | 2478 | No Telephone |
| 0286 BRIODY. MICHAEL | BUDERIM. QLD | 4556 | 071- 45-4365 |
| 0287 SUPARTA. M. H. | ST. LUCIA | 4067 | 07-371-8493 |
| 0290 CLOVER. STEPHEN | CLAYFIELD QLD | 4011 | 07-262-6671 |
| 0291 DOHERTY. BERNARD | McDOWALL. QLD | 4053 | 07-262-5195 |
| 0292 LIDDLE. PETER | EVERTON HILLS. QLD. | 4053 | 07-355-5743 |
| 0297 MELICK. S. OLIVER. A. | MACGREGOR. QLD. | 4109 | 07-349-0703 |
| 0298 WILSON. MARK | BRIGHTON. QLD. | 4017 | 07-269-8701 |
| 0300 THEO. ALEX | DECEPTION BAY. QLD. | 4508 | 07-203-1635 |
| 0301 GAUCI. JOHN | ZILIMERE. QLD. | 4034 | 07-265-1642 |
| 0303 BURTON. MARGARET | THE GAP. QLD. | 4061 | 07-300-3987 |
| 0304 HARVEY. IAN | LOGANLEA. QLD | 4204 | 07-200-6342 |

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|----------------------------|------------------|------|-------------|
| 0305 MANN.R.B.& FAMILY | ARANA HILLS.QLD. | 4054 | 07 351-1653 |
| 0307 LEE.GEORGE.& FAMILY | PULLENVALE QLD | 4069 | 07 374-1665 |
| 0311 RATH.DOUGLAS & FAMILY | BALD HILLS QLD | 4036 | 07 261-1201 |
| 0312 PRINEAS.GEORGE | MANLY WEST QLD | 4179 | 07 396-9863 |
| 0313 DUTTON.BRETT.C | GEEBUNG.QLD | 4034 | 07 265-5112 |
| 0314 GREGORY.PETER | TOOWONG.QLD | 4066 | 07 371-8642 |

[Software Library]

It has been requested many times that we publish a list of all the club's Public Domain Software. When people ask this, I don't think they realise just how big a task that really is as we have over 9500 public domain programs on the club disks. However, here is the start of the library, and we will endeavour to put together more listings as time permits. The files are divided into sections, and the files in each section are required for the particular applications. The prefix before each file name represents the file type. i.e. B=Binary T=Text A=Applesoft I=Integer. Each section is seperated by a string of -'s and each volume is seperated by a string of = 's.

Softdisk Volumes:

Volume # 39 - Disk 1 - side 1 : FREE SECTORS : 3 (.75K)

| | |
|--------------------------------|------------------------------|
| A HI | B SOFTCOVER |
| A HELLO | B SIDE NUMBER 39 |
| A MENU | |
| ----- | |
| A THE BIG BALANCE | B PICTR.BALANCE.PAC |
| B]SMALL STANDARD | B]APPLE |
| B CURSORS | T IDEAS1 |
| T IDEAS2 | T IDEAS3 |
| B PACK/UNPACK | T ABOUT.THE BIG BALANCE |
| ----- | |
| A SPELLING | T PAGE 5 |
| T ABOUT.SPELLING | |
| ----- | |
| B SCRAMBLED WORDS SONGS.MODULE | |
| A SCRAMBLED WORDS | |
| T ABOUT.SCRAMBLED WORDS | |
| ----- | |
| A COUNTED CROSS STITCH | T ABOUT.COUNTED CROSS STITCH |
| ----- | |
| A FIDDLER ON THE DISK | B PLAYER |
| B PICPAK.LOGO1 | B PICPAK.LOGO2 |
| B PICPAK.LOGO3 | B S&HC.1 |
| B S&HC.2 | B UNPAK |
| B FOUR.POTATOES | B ARKANSAS TRAVELER |
| B BOATIN' UP SANDY | B CHINESE BREAKDOWN |
| B FIDDLER'S DRAM | B GIRL I LEFT BEHIND |
| B HOP HIGH LADIES | B LITTLE RABBIT |
| B PRETTY LITTLE DOG | B SAIL AWAY LADIES |
| B SHADY GROVE(3 VARIANTS) | B SOLDIERS JOY |
| B SHENANDOAH FALLS | B PICPAK.FIDDLE |
| B PICPAK.DEVILS.BOX | B PICPAK.FIDNBANJO |

| | |
|-------------------------|-----------------------------|
| B PICPAK.BANJO.SIDE | B PICPAK.BANJOS |
| B PICPAK.APBANJO | B PICPAK.MANDOLIN |
| B PICPAK.GUITARS | B PICPAK.AP.DULCIMER.F |
| B PICPAK.HAMRD.DULCIMER | B PICPAK.BANJOPOT |
| B PICPAK.H.DULCIMER.D | T ABOUT.FIDDLER ON THE DISK |

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Volume # 39 - Disk 1 - side 2 : FREE SECTORS = 60 (15K)

A HELLO
B SIDE NUMBER 39

| | |
|-------------------|-----------------------|
| A NUMBER 39 COVER | B COVER.NUMBER 39.PAC |
| B COVER ANIM | B PACK/UNPACK |

| | |
|---------------------|---------------|
| A SOFTDISK PRESENTS | B LOWER TEXT |
| B LOWER MUSIC | B PLAYER |
| T STASH HI | T RESTORE LOW |
| A RECON | T RECONT |

| | |
|------------------------|---------------------------|
| T FEATURES21 | T SOFTGAB |
| T PROGRAM OF THE MONTH | T BACK ISSUE OF THE MONTH |

| | |
|---------------------|--------------------------|
| A DOS TUTORIAL MENU | T DOS COLUMN.10.TEXT |
| A DEMO PROGRAM 1.10 | A DEMO PROGRAM 2.10 |
| A DEMO PROGRAM 3.10 | T DEMO PROGRAM TEXT 3.10 |

| | |
|----------------------------|----------------------------|
| A Q & D GEMINI MENU | A Q & D GEMINI PRINT MODES |
| A Q & D GEMINI FONT LOADER | T JGW BOLD FONT |
| T JGW BYTE FONT | T JGW SQUAT FONT |
| T JGW FIVE-HI FONT | T JGW MIRROR FONT |
| T JGW OVERSCORE FONT | T JGW RANCH FONT |
| T JGW SERAPH FONT | T JGW STANDARD FONT |

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Volume # 39 - Disk 2 - side 1 : FREE SECTORS = 34 (8.5K)

| | |
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| A HELLO | B SIDE NUMBER 39 |
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|------------------------------|-----------------------|
| A ABOUT.DSS #3 | A DAY'S SLIDE SHOW #3 |
| B PIC.HORUS FOUR.PAC | B PIC.SPACE CHILD.PAC |
| B PIC.FACE FROM THE PAST.PAC | B PIC.PANDA.PAC |
| B PIC.LILY PAINTING.PAC | B PIC.KING TUT.PAC |
| B PIC.CACTUS.PAC | B TRANSITIONS |
| B PACK/UNPACK | |

| | |
|------------------------|------------------|
| A ABOUT.Q & D CAT TOOL | A Q & D CAT TOOL |
| B Q & D CAT TOOL.OBJ | |

A RICH & FAMOUS

| | |
|--------------------------------|--------------------------------|
| A AD.APPLESOFT FROM THE GROUND | B APPLESOFT FROM THE GROUND UP |
| B TITLE.TBBL | A AFTGU |

A AD.Q & D DISK #2
T Q & D # 2 T E X T

B Q & D S O U N D
B PLAYER

A MICRO MUSIC DISK #2.AD
B LOWER MUSIC DISK 2
B LOWER MUSIC

B MUSIC DISK 2 TEXT
B PRINTER

A AD.TOBIAS

A AD.OFFICE HELPER & VEGAS HOLI A MONEYISTHE.OBJ

Volume # 39 - Disk 2 - side 2 : FREE SECTORS = 27 (6.75K)

A HELLO B SIDE NUMBER 39

A SOFTDISK PRESENTS
B LOWER MUSIC
T STASH HI
A RECON

B LOWER TEXT
B PLAYER
T RESTORE LOW
T RECONT

T FEATURES41
T MAILING PROCEDURE
T SOFT DEAL
T ABOUT HARVEST
T REGULAR ANNUAL SUBSCRIPTION
T SOFTDISK Q & A

T BACK ISSUES
T SOFT REWARD
T DEALER PACK ANNOUNCEMENT
T ABOUT PIPELINE
T ONE WAY ANNUAL SUBSCRIPTION
A SOFTDISK.Q&A

A FORMS.MENU
A SIGN-UP.FORM

A ORDER.BLANK

A SOFT.ADS
A AD.GUANOZAP MAPS

A AD.MENU
A AD.DATABIND PRICE BREAK

T FEATURES42
T ADVENTURE HINTS #2
T BBS INFORMATION
T DOSLINK UPDATE
T DOSLINK.SYM-T
A DOSLINK DEMO
T HARDWARE AID REQUESTS
T INVESTMENT TALK
T MISCELLANEOUS
T PAL CORRESPONDENCE
T PRINTER REQUESTS
T PROGRAM HINTS #2
T REVIEW - BEAGLE BROS
T REVIEW - MISCELLANEOUS
T REVIEW - SKYFOX

T ADVENTURE HINTS #1
T ADVENTURE REQUESTS
T COMPUTER SYMPOSIUM
B CATALOG RESTORE
B DOSLINK AT \$800
T EDUCATIONAL INFO
T HARDWARE HINTS
T KOALA PAD INFO
T NEWS FROM JAPAN
T PRINTER HINTS
T PROGRAM HINTS #1
T PROGRAM REQUESTS
T REVIEW - MIND PROBER
T REVIEW - SALES EDGE
T REVIEW - SORCFERER

A PIPELINE B PIPELINE.OBJ

Membership Number

Apple-Q: the Brisbane Users' Group

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Membership to Apple-Q is on an annual basis from the month that you join. All members on our books are required to note any changes to their personal details and forward to the Registrar upon renewal of their membership.

MEMBERSHIP FEES

\$20.00 Adult and Family memberships

\$12.00 bona fide students under the age of 21

\$12.00 pensioners upon production of pension card

Membership Renewal Form

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Other names:.....

Private Address:.....

.....

Private telephone: .(...).

Postal Address:.....

.....

Business telephone:.(...).

Please complete these details to allow our records to be checked. DO NOT use this form for an initial membership application. Forms for that purpose may be obtained from the Registrar or the Secretary.

THIS FORM SHOULD BE COMPLETED AND RETURNED - WITH FEE - EITHER: -

at the next Open Day -or-

post to: The Registrar
Apple-Q: the Brisbane Users' Group
P.O.Box 698
Redcliffe. QLD 4020