



sinclair ql

AVIATION
CHICAGO, ILL.

The ICICLE program enables you to set up a series of icons and menu bars and assign commands or text to them. When a chosen icon is activated the command is carried out or the text is written out.

A sophisticated printer spooler/manager is also available at any time and the routines are designed to multi-task with other programs including the Psion packages. Note that the routine takes about 20k of memory so extra memory will be required to run with the Psion programs but ICICLE will run with Basic or an Editor/Assembler program on a standard QL.

The versions on the cartridge are set up to run with the Quill word processor and for Basic but versions for the other programs can be created using the install program.

Note that < ENTER > denotes the pressing of the ENTER key in this text.

GETTING STARTED :

ICICLE can be run from the ICE desktop by 'CLICKING' the boot program. As some of the routines will overwrite the ICICLE files you must use a back-up version and keep the original in reserve. Choose the copy option from the boot menu and make a back-up before using the routines.

The actual ICICLE exec files should not be 'CLICKED' and to run ICICLE without the desk top use the direct command :

```
exec mdv1_basic_ICICLE < ENTER >
```

or:

```
exec mdv1_Quill_ICICLE < ENTER >
```

Once the routine is loaded a screen will display a start message and then clear. The routine can now be used by pressing CTRL+Z (user definable) for ICE users or 'CLICKING' the righthand mouse button for fortunate mouse owners. CTRL + K (user definable) will kill the routine permanently so be careful of this one !

To avoid having two ICE pointers on the screen the routine will not activate if the ICE desk top is in use. If a new version of ICICLE is executed then the current version is automatically killed off thus preventing confusion if multiple copies are running.

```
n      next char to translate
x      start of next list
x
x
x
x
x
255    end of list
255    end
```

eg. Boot for Quill using tran\$ to send code 156 instead of £ :

Note on this occasion this really is the pound symbol and in line 3.

```
1 CLEAR
2 CLOSE £1:CLOSE £2:WINDOW £0,400,20,35,215
3 tran$=CHRS(255)&'£'&CHRS(156)&CHRS(255)&CHRS(255)
```

```
4 EXEC mdv1_Quill_ICICLE:PAUSE 20
5 EXEC_W MDV1_QUILL
6 OPEN £1,scr:OPEN £2,scr
```

tran\$ can also be used to tell the printer to skip a character :

```
3 tran$=CHRS(255)&'A'&chr$(255)&'b'&CHRS(255)&CHRS(255)
```

this will NOT print all instances of capital A and lower case b

A sequence of text or codes can be sent :

```
3 tran$=CHRS(255)&'Z'end this for every Z'&CHRS(255)&CHRS(255)
```

any number of translates can be added to this list and placed in boot program.

SPOOLER DEFAULTS

The BAUD rate and the device names can be changed from the ICICLE_install program menu with :

< B > set Baud and default drives

The supplied version Baud rate is 9600 and this can be changed to suit your printer if required. This baud rate is used only if it is not changed from Basic so you can incorporate a different BAUD rate in your boot program if required.

The first 6 default drive names are the list for the spooler dir option. The first one will also become the EDIT default name eg. if you make the first name \$p1 then the EDIT name will also be \$p1. If you wish to leave a name the install program.

STOP CURRENT SPOOL

Will stop the spool in progress if you change your mind and wish to stop printing or copying.

SPOOL TASK 1-5 FREE

If you click one of the 5 Task menu option you will be placed in the select a file to spool mode for the spool task number (1 to 5) you have chosen. If you wish to spool a file that is on mdv1 just 'CLICK' the dir mdv1 menu bar and then 'CLICK' the required file. This file will then be the file to spool from. Next just click the required printer and the file is ready to spool or more tasks can be added to the list as required. To remove a file from the list 'CLICK' the EDIT menu bar and then use the cursor + CTRL to delete all the filename and the task will be removed. The EDIT mode can also be used to select different device names from those displayed on the menu bars eg. ram1_any_lis to spool from a ram disk or scr_512,40a0x0 to spool to a small window to inspect a file. Files can be added or taken from the list while the spooler is running as long as the task you wish to change is not the one that is currently spooling. The spooler can also be used to copy files from mdv1 to mdv2 or disk to disk etc.

SPOOLING QUILL_doc files

To spool a Quill file from within Quill a _lis file must first be produced by Quill. This is done by loading the required _doc file and selecting the Quill print

Starts up the spooler if there are files to spool. If you require to watch the progress of the spooler the pointer should be left outside the main menu window and the progress will be updated as the files spool. If you wish to carry on a different task then click the ESCAPE option and you will return to the program you were in. You can re-enter the spooler at any time to check on progress or to amend the list of files. If no spooler tasks are added then the spooler will attempt to spool the current default task 1 which was set from

is sent to BASIC then the BREAK key will be disabled until < ENTER > is pressed.

PERMANENTLY REDEFINING THE COMMANDS :

The ICICLE_install programs are used to create a new versions of 'ICICLE' with your chosen icon designs, text strings and commands. The install program uses the RESPR command and this means it will only run on a newly reset QL with no other exec routines running.

Run the boot program and choose the version you wish to install.

The install routine will first prompt for a filename to install. This will be the base for your new icons and should be mdv1_Quill_ICICLE or the file you are currently working on. As the install routine will overwrite existing files a back up version should always be used.

If you should accidentally break out of the install program, type in RUN 1500 and press < ENTER > to return to the main menu.

ICICLE_install menu :

< I > Design Icons

This option will allow you to redesign the 9 main icons on each of the 3 pages to your required design. Use the cursor keys to move the cursor and use CTRL and the cursor keys to plot/unplot a square. When you have completed your design use the Save option to store your chosen Icon. < ENTER > will return you to the main menu again. An Icon can be moved from one position to another by Saving it on to a different icon number. It is not possible to change the format of the menu bar icons with this command.

< K > Define ON / KILL keys

The ON / KILL keys can be user defined from CTRL+Z and CTRL+K to any other required letters. < ENTER > will leave the keys unchanged.

< M > New message under icons

The 9 letter message that informs you of an icons contents is set with this option. There are 3 pages of icons numbered from 1 to 54.

< E > Edit new text string for icons

This option returns you to Basic and invites you to EDIT your chosen Basic program line which defines the text string. Program lines 200 to 730 can be

Please note that all the £ signs should be the hash symbol except where otherwise stated.

As the routine is set up for Quill a boot program is given to load quill :

```
1 CLEAR
2 CLOSE #1:CLOSE #2:WINDOW #0,400,20,35,215
3 EXEC mdv1_Quill_ICICLE:PAUSE 20
4 EXEC _W MDV1_QUILL
5 OPEN #1,scr:OPEN #2,scr
```

Before running this you must copy Quill_ICICLE to your Quill cartridge. The PAUSE 20 will prevent the ICICLE start up screen from being overwritten by Quill. Once Quill is running all commands are much faster if the Quill PROMPTS are turned off with F2.

MASTER ICONS :

The icon at the top left indicates the current page of icons and if "CLICKED" will change to the next page (1 to 3) It is not possible to redefine this icon.

The DIR / SPOOL / ESCAPE icons on the bottom row are also not user definable, but the other 3 icons on the bottom row which lead in to dir/load routines can be redefined for other commands. See the section on redefining for more details.

TEMPORARY REDEFINING THE COMMANDS :

Strings are stored on any one of 54 icons and these strings can be of any length up to a total of 32k. Strings can be redefined using the install program or by setting the string variables ice_1\$ to ice_54\$. The last method is useful if you just want to re-define a few icons quickly and can be included in your boot program :

```
1 ice_1$="Place some different text on icon number 1"
2 ice_18$=chr$(9)&chr$(9)&"TAB across twice on icon 18"
3 exec mdv1_Quill_ICICLE:PAUSE 20
4 REMark rest of boot under this .....
```

The strings can also be re-defined in the same way with a direct BASIC command :

```
ice_1$=dir mdv1_&chr$(10) < ENTER >
```

These definitions apply until a NEW or CLEAR BASIC command is carried out after which the original definitions are restored. If a line with incorrect syntax unchanged, just press < ENTER >.

The next 6 default names are for the printer and for this 4 or 5 characters are required. Note that ser1 is the usual name for Epson printers and serlc is for some of the Brother printers. The concept section in the QL manual explains these names.

When you have the required defaults take the Save option to save your new version.