



# Dragon & Dungeon

OCTOBER 1987

HI THERE!

Well the Ladies have survived and are now ready for anything! You guys who do not exactly approve of all this, need not despair for much longer. Gert is going to have a hand in the next newsletter! Good Guy really, comming to bail the Ladies out! We would like to thank Club members for the tremendous support that we have received from Club member concerning the New 128 + 3. We will keep you up to date concerning software and other interesting things about it. By the way, did you know that the New Z88 uses BBC basic? Another notch to Sir Clives belt I believe. All is not lost on the Z88, production is still in progress and soon it will be around for all to see. Don't underestimate the power of this little guy. He is just waiting to take the world by storm!

Oh yes, before I forget, there is a new Multiface available for the 128+3. It is called the Multiface3 and will cost around R185.00.

Great thing for making backups!

I really am talking rubbish now  
 so on with the Newsletter.

Anne  
 Enjoy. Luv



## NEW SOFTWARE AND SOFTWARE BACK IN STOCK

Leaderboard with 4 NEW courses  
 Battle of Britian  
 Renegade  
 Army Moves  
 hydro Fool  
 Now Games 4  
 Stars on the 128  
 Tai Pan  
 Conflicts 1  
 Barbarian  
 Cheetah Midi Interface

Chairman:



?

## Index

PAGE	
2	Keyboard Special
3	Books
4	Tasman Software Offer/coupon/article
5	News/new software utilities
6	Q1 article and Help!
7	Woordeboek/Joystick offer/Membranes too
8	spares/Backup/Micro mover
9	Opus news and offer/cookbook/currah speech
10	Letters and help
11	Durban Sinclair User Group article
12	Q1 news and BCPL
13	QL articles
14	QL Atrice
15	Beta Basic/Tasword plus two
16	Amstrad Special
17	IBM software utilities
18	IBM software games/edcation on the Spectrum
19	Educational special on the Spectrum
20	Printer Special/EpsonLX800/SP180 /MP5330
21	More Printer info/SP1200
22	Computer Classified and Notice Board
23	Map/Competition corner
24	Order form

# A TOUCH OF CLASS

## QL USERS, AT LONG LAST

a keyboard has become available for those of you who are tired of typing on sponge!

There are two keyboards that we are going to import for you. They are:-

THE SCHÖN STANDARDKEYBOARD and  
THE SCHÖN PC REPLACEMENT KEYBOARD.

The Schön Standard keyboard is the only DIRECT replacement keyboard available for the QL. With the compactness of the computer retained and a similar key layout it is ideal for QL owners with faulty keyboards or for those who just want a better keyboard at a reasonable price. The new housing is similar to that of the QL and therefore the microdrives are still accessible and of course all other QL add-ons are compatible.

### STANDARD KEYBOARD

NORMAL PRICE	R225.00
SPECIAL INTRODUCTORY PRICE	
LESS 10 %	202.50
GST	24.30
P&P	4.00
TOTAL	230.80



The Schön PC Replacement keyboard is the best keyboard available for the QL. The top housing is similar to the existing one however it has a blank plate in place of the keys which contains a DIN socket. The microdrives are still easily accessible with this new housing in place and it allows a monitor to be placed on top of it. (see picture)  
Extra keys include:- five extra function keys, single key left and right delete, break key, sysreq, two enter keys, illuminated caps and num lock keys, single key mathematical functions and diagonal cursor movement keys.

### PC REPLACEMENT KEYBOARD

NORMAL PRICE	R385.00
SPECIAL INTRODUCTORY PRICE	
LESS 10 %	346.50
GST	41.58
P&P	4.00
TOTAL	392.08



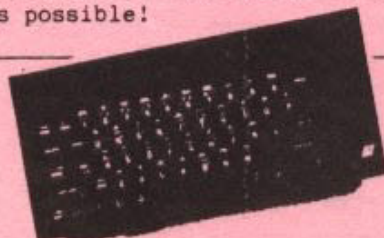
At the unbelievable prices of R225.00 and R385.00 respectively, who can resist this offer? Especially with Christmas just around the corner, althought you will not believe me when I say that now. It is true you know?!

For those of you who have the old Spectrum with the rubber keyboard and wish to upgrade to a proper keyboard, now is your chance. We now have in stock SPECTRUM + Keyboards at a very special low price. The advantage of this keyboard is that it adds extra function keys to the old Spectrum and it has a space bar.

NORMAL PRICE	R159.00
SPECIAL PRICE	129.99
GST	15.59
P&P	4.00
TOTAL	149.58

**ZX SPECTRUM +**

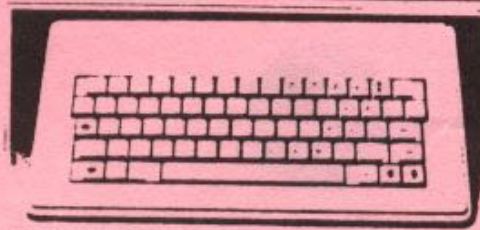
PS We have only got 25 in stock, so to avoid disapointment, come and get yours as soon as possible!



We have also got the SAGA EMPEROR keyboard on special this month. This keyboard has a cream keyboard and proper keys. Your old Spectrum fits neatly and easily into to keyboard. The SAGA keyboard adds a few extra fuction keys to the old Spectrum (the one with the rubber keyboard) includig a space bar.

NORMAL PRICE	R162.00
SPECIAL PRICE	139.00
GST	16.68
P&P	4.00
TOTAL	159.68

PS We have only got 15 in stock.



## THE CENTURY COMPUTER PROGRAMMING COURSE

The complete guide to programming in Sinclair Basic using ZX81 and Spectrum Microcomputers. 525 pages of invaluable information on Basic Programming.

NORMAL PRICE	R34.00
SPECIAL PRICE	24.95
GST	-2.99
P&P	2.00
TOTAL	29.94

### PROGRAMMING YOUR ZX SPECTRUM

Your first hours with your ZX Spectrum can be bewildering. Once you've run through the sample programs given in the manual, you're likely to think: "Yess, but now what?" This book is intended to answer that question. It will take you through programming the Spectrum from first principles, right up to quite sophisticated programming techniques.

NORMAL PRICE	R24.50
SPECIAL PRICE	19.50
GST	2.34
P&P	1.80
TOTAL	23.64

### PRACTICAL HARDWARE PROJECTS for the BBC Micro

The book is aimed at developing an awareness of hardware interfacing and control at an introductory level. It is based on simple projects using electronic components attached to the BBC. It is an ideal introduction to wiring up a BBC to control motors, lights and other devices which belong to our world.

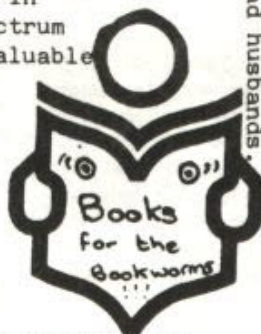
NORMAL PRICE	R14.50
SPECIAL PRICE	7.50
GST	.90
P&P	1.80
TOTAL	10.20

### SPECTRUM MICRO DRIVE BOOK

In this book there are chapters on the extended Spectrum system, the extended BASIC, the microdrive, the Local Area Network, the RS232 link and the information required by the machine code programmer. The aim of the book is to try to answer the questions that will be posed by owners of the new equipment. This book is a must for people who know more than just the beginner.

NORMAL PRICE	R24.50
SPECIAL PRICE	17.50
GST	2.10
P&P	1.80
TOTAL	21.40

3



101 THINGS TO DO WITH A DEAD COMPUTER  
A lighthearted, but certainly appropriate look at the pitfalls of being a computer owner. The ideal gift for frustrated (but loving) wives for their computer mad husbands.

Normal Price	R9.99
SPECIAL PRICE	4.99
GST	.59
P&P	1.50
Total	7.08



This book is a reference book too, with a full index offering rapid access to the information you need from interface pin functions to lists of codes

### THE MICRO ENQUIRER

This book will answer all your questions about your Spectrum, and the world of computers. It is both a machine specific handbook concentrating on one machine alone and a general computer book of real practical use if you have a Spectrum. A real must for beginners in the world of the spectrum.

Normal Price	R22.50
SPECIAL PRICE	19.99
GST	2.39
P&P	2.00
Total	24.38

**THE HACKER'S HANDBOOK**  
HUGO CORNWALL

If you want to know about computing ...

**THE FACTS DON'T HAVE TO BE BORING!**

OTHER BOOKS AVAILABLE

- 60 Programs for the ZX Spectrum R19.99
- Logo Programming on the ZX R19.99
- Super charge your Spectrum R19.99
- Programming your Spectrum R19.99
- Advanced Programming on the ZX R17.99
- QL Easel R19.99
- Introduction to Superbasic - QL R19.99
- Wordprocessing on the QL R19.99
- Advanced Programming on the QL R19.99
- Profiting from the QL R19.99
- EXploring the QL R19.99
- Quantum Leap Theory R19.99

Having recently acquired a full-width printer, I can now do these items for the newsletter via Tasword. So as a starter, I'll pass along some of the lessons I have learned that may be value to others converting to a big printer.

First of all, I have a Smith-Corona Fastext 80 which is coupled to the computer via Peter Hacksel's printer interface and software. The latter is generally acceptable in that it works as he says it should. But the way it performs the TAB function is poor and generally useless with my programs that rely on TABbing for good displays. Also, my printer is not Epson compatible and therefore his programs for lo-res and hi-res screen copying will not work. Lo-res screen copying can be accomplished using a routine that I show below and which Charlie Urban provided.

When it came to adapting Tasword to this printer, I found that following the manual and some notes by George Chambers made it relatively easy and I soon had the graphics keys adapted to the SCH printer.

So, I have Elongated on graphics key 1; Condensed on key 2; Underline on key 3; keys 4, 5 and 6 are unused for now; Elite and Pica (normal) are on key 7; and Form Feed is on key 8 (caps).

These graphics characters have to be embedded into the text as you type it in to Tasword. I found it handy to have a crib sheet so I drew one up and here it is. The first two lines show the actual codes used with each graphic character. I keep mine on a cork board just ahead of me as I use Tasword.

CONTROL CODES FOR FASTEXT 80									
CAPS	27:187:11	15	27:45:11					27:77	12
none	27:187:10	18	27:45:10					27:80	
EYMB	1	2	3	4	5	6	7	8	
CAPS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	ELITE	FF
none	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PICA	
	ELONG	COND	UNDER						FORM
	ATED	ENSED	LINE						FEED

#### PAGINATION

Paging some long text gives a better appearance and I experimented with ensuring a top and bottom margin on each page.

I found it relatively easy to paginate by using a crib sheet which is an alternative to using the form feed graphic character. Here is my crib sheet:

PAGINATION CRIB SHEET

PAGE	START LINE	END LINE
1	1	60
2	61	120
3	121	180
4	181	240
5	241	300

This works for my paper which is 28 cm or 11 inches long (ie, between perforations.)

I start all printing with a perforation line just even with the top of the print head. This usually means leaving in the previous page and tearing it off later.

Using form feed embedded in the text will cause the paper to feed out automatically up to the next perforation line according to the predetermined page length, which just happened to be right for my page length. However, it is possible to set the page length to another value but the printer defaults to 66 lines on power up or reset.

One thing I learned early in the game was that when calling for elongated printing, it is important that the print head be at the left margin at the start of printing. Otherwise, the print head will move to the left and cause a crash (on the paper and in Tasword). This is corrected by powering down the printer and then powering up again. The print head (carriage) will be at the left margin and the printing should go according to plan.

Here is the short routine to print the screen display in lo-res. It will not print graphics, though.

```

9940 CLS: PRINT AT 6,2: "LPRINT loaded": REM Hacksel's
9941 INK: 9
9942 PRINT AT 8,2: "USE POKE 26704,254 for LPRINT "
9943 PRINT AT 10,2: "USE 'GO TO 9950' & 'COPY' for
      SCREEN COPY"
9944 PRINT AT 14,2: "Press CSST-BREAK to continue"
9950 PAUSE 0: IF INKEYS="255" THEN GO TO 9960
9955 IF INKEYS="254" THEN GO TO 9980
9957 IF INKEYS="254" THEN GO TO 9950
9960 POKE 26704,254: POKE 65535,0
9965 FOR f=0 TO 21: FOR g=0 TO 31
9970 LPRINT SCREENS (f,g):
9975 NEXT g: LPRINT: NEXT f
9980 STOP
  
```

Bob Mitchell

Thank you

# Tasman

SOFTWARE

OTHER PROGRAMMES WHICH ARE ALSO AVAILABLE FOR THE SERIOUS USER FROM TASMAN ARE:-

	PRICE
TASWORD II (48k)	R29.99
TASCOPY (48k)	
The screen copies which produces HIGH RESOLUTION screen copies. Will drive ALL eight pin dot matrix printers.	R29.99
TASPRINT (48k)	
The style-writer. Prints output and program listings in a choice of five impressive print styles on dot matrix printers.	R37.50
TASMERGE (48k)	
TRANSFERS data from MASTERFILE to TASWORD TWO.	
MAIL MERGE: prints out MULTIPLE COPIES OF letters to names and addresses held in MASTERFILE. Creates MICRODRIVE versions of Masterfile and Tasword Two.	R29.99

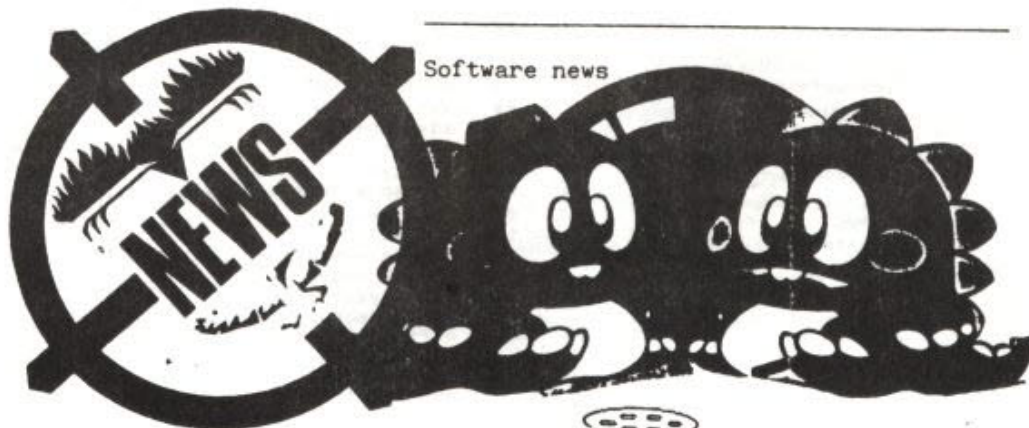
By the way, your REFERENCE NUMBER is the number to be found on the address label on your newsletter. The number appears just above your name and address.

VALID UNTIL ... 4/30/83 ...

104113

The Honourable Mr Gert Coetzee has decided to come out of an early retirement when he took one look at the Newsletter and the Mail-list. The Pride of his past and the joy of his heart was the lack of spelling errors, which are now abundant! The Ladies of the Club apologise for this and promise to rectify the position as soon as possible. If there is an error in your Name or Address, Please let us know IMMEDIATELY so that we can fix it.





# DUMPY

Dumpy3 is the only screendump GENERATOR for the Spectrum - so why be content with one or two screendump formats when DUMPY3 will create over 1 000 different ones for you, all of which are configured for your interface and will make a copy of any desired portion of the screen? Easily followed menus allow you to select from the following parameters:-

- \* 14 different interfaces
- \* Screen window definition landscape =  $\longleftrightarrow$
- \* Alternative auto-size
- \* Landscape or portrait Portrait =  $\updownarrow$
- \* Plain black and white or shaded colour representation
- \* Up to 7 print densities
- \* Print height and width
- \* copt TAB position
- \* Locate the resultant code anywhere

RRP	R39.99
OUR PRICE	R34.50
GST	4.14
P&P	1.20
TOTAL	39.84

## LETTA-HEAD PLUS

### LETTA-HEAD PLUS

This is a comprehensive program which enables anyone with a Spectrum and a dot matrix printer to produce their own personalised stationery, receipts, order forms, posters, badges, wine labels, cassette labels - in fact the list is only limited by your imagination!

RRP	R39.99
OUR PRICE	R34.50
GST	4.14
P&P	1.20
TOTAL	39.84



### LIN-O-TYPE

Load Lin-o-type and you have a new level of control over your printed word. Lin-o-type acts as a text formatter for any ASCII file (such as the output from your wordprocessor). Lin-o-type sends the text file to the printer via its own WYSIWYC (What You See Is What You Get) line editor, which gives you the following facilities:-

- \* Choice of 26 character fonts, including Greek and Russian.
- \* Up to 6 fonts in any one line.
- \* Double width characters.
- \* Proportional spacing.
- \* Double density printing gives NLQ in most fonts.
- \* True right justification.
- \* Complete control of inter-character and inter-word spacing.
- \* Left and right margin setting.

RRP	R39.99
OUR PRICE	34.50
GST	4.14
P&P	1.20
TOTAL	39.84

# PS.....

Club Members who receive Two Newsletters, Please, please let us know so that we can get our records into order and sort out the problem.

Thank you

## Sound Experimentor

Rob Miles

Unlike most home computers the QL has a very limited noise making capability. What there is can only be dragged out by using the enigmatic BEEP

command. This has 8 arguments, all of which are obscure. The only way to produce something vaguely melodic is by trial and error. The following quickie allows you to do exactly this.

```
100 REMARK **** QL User -BEEP experiment
110 REMARK **** Rob Miles 1985
120 duration=5000:pitch=100:pitch_2=0:grad_x=0:grad_y=0:wrap=0:fuzzy=0:random=0
130 REPEAT sounder
140 CLS
150 set "Duration (-32768..32767) ?":duration,2
160 set "Pitch (0..255) ?":pitch,4
170 set "Pitch_2 (0..255) ?":pitch_2,4
180 set "Grad_x (-32768..15) ?":grad_x,8
190 set "Grad_y (-8..7) ?":grad_y,10
200 set "Wrap (0..32767) ?":wrap,12
210 set "Fuzzy (0..15) ?":fuzzy,14
220 set "Random (0..15) ?":random,16
230 AT 18,0:PRINT "BEEP "duration;" "pitch;" "pitch_2;" "grad_x;" "grad_y;" "wrap;" "fuzzy;" "random
240 BEEP duration,pitch,pitch_2,grad_x,grad_y,wrap,fuzzy,random
250 dum$=INKEY$(-1)
260 END REPEAT sounder
270 DEFINE PROCEDURE set.(names,var,position)
280 LOCAL buff
290 AT position,0:PRINT names;" "var
300 AT position,0:PRINT names;" "
310 INPUT buff
320 IF buff="" THEN var=buff
330 AT position,0:PRINT names;" "var:"
340 END DEFINE set
```

## Ease! Print

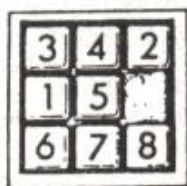
D Duncan

The following 7 liner shows exactly how to use the graphics

dump provided with EASEL. All you need is an EPSON compatible printer and the EASEL cartridge in mdv2.

```
120 MODE 8:PAPER 2:CLS
130 FOR n=1 TO 150
140 INK 7:FILL 1:CIRCLE n,50,20,.5,-n/2
150 INK 2:FILL 0:CIRCLE n,50,20,.5,-n/2
160 NEXT n
170 REMARK Dump to Epson printer
180 a=RESFR(1024):LBYTES mdv2_gprint_prt,a
190 CALL a:OPEN #3,ser1:LIST #3:CLOSE #3
```

## Shifting Squares



(a)



(b)

Initial (a) and final (b) positions for the tile shifting game.

6.

```
12 WINDOW 852,236,68,28
14 MODE 8
20 init
30 print_board
40 set_shuffle
50 find_space
60 REPEAT game
70 win_pos
80 IF SX=8 THEN EXIT game
90 rnd_move
100 do_move
110 MOVEX=MOVEX-1
120 print_board
130 END REPEAT game
140 PRINT "SOLVED IN "MOVEX
1500 DEFINE PROCEDURE init
1610 DIM BX(9)
1620 DIM MX(9,8)
1630 DIM MX(9)
1640 QX=8
1650 DATA "28 ","135 ","26 ","157 ","2868"
1660 DATA "359 ","48 ","579 ","68 "
1670 DATA 2,3,2,3,2,3,2,3,2
1680 RESTORE 1650
1690 FOR I=1 TO 9
1700 READ MX(I)
1710 END FOR I
1720 FOR I=1 TO 9
1730 READ MX(I)
1740 END FOR I
1750 MOVEX=8
1760 END DEFINE init
1770 DEFINE PROCEDURE print_board
1780 FOR I=1 TO 9
1790 PRINT BX(I);" "
1800 IF I=INT(I/3)*3 THEN PRINT
1810 END FOR I
1820 PRINT
1830 pause_1
1840 END DEFINE print_board
1850 DEFINE PROCEDURE set_shuffle
1860 FOR I=1 TO 9
1870 BX(I)=I
1880 END FOR I
1890 PX=9
1900 MX=RND(25 TO 38)
1910 FOR Z=1 TO MX
1920 rnd_move
1930 do_move
1940 END FOR Z
1950 QX=8
1960 END DEFINE set_shuffle
1970 DEFINE PROCEDURE find_space
1980 FOR I=1 TO 9
1990 IF BX(I)=9 THEN PX=I
2000 END FOR I
2010 END DEFINE find_space
2020 DEFINE PROCEDURE win_pos
2030 SX=8
2040 FOR I=1 TO 9
2050 IF I<>BX(I) THEN SX=1
2060 END FOR I
2070 END DEFINE win_pos
2080 DEFINE PROCEDURE pause_1
2090 FOR I=1 TO 500
2100 END FOR I
2110 END DEFINE pause_1
2120 DEFINE PROCEDURE rnd_move
2130 IX=RND(1 TO MX(PX))
2140 JX=MX(PX,IX)
2150 END DEFINE rnd_move
2160 DEFINE PROCEDURE do_move
2170 TX=BX(PX)
2180 BX(PX)=BX(JX)
2190 BX(JX)=TX
2200 QX=PX
2210 PX=JX
2220 END DEFINE do_move
```

CONSIDER CHRISTMAS

ITS IN THE AIR!

Remember that it is not as far away as you think!

## HELP

Cecil Bento wants to know :

Does RACING MANAGER work with a Seikosha SP180AI? If not, how can it be made to work (print?)

W. Prins wil weet hoe 'n mens die "lockpick" in die hande kan dry in THE GREAT ESCAPE van OCEAN.

# HELP!

Ons het nie van ons Afrikaanse lede ver-  
geet nie. Om die lewe 'n bietjie makliker  
te maak, gaan ons elke maand 'n paar  
bladsye van vertalings vir u publiseer.  
Ons begin hierdie maand met slegs  
die woorde wat met A begin.  
Te danke aan Eben Erasmus kan ons die  
inligting aan u verskaf.

Hieronder volg 'n lys van Engelse woorde se Afrikaanse  
vertalings:

A

absorbition rules  
abstract

access arm  
access method  
access time  
accumulator  
acoustic coupler  
actual parameter  
address  
alphanumeric  
AND  
application  
application software  
package  
argument  
arithmetic constant  
arithmetic conversion  
operation  
arithmetic expression  
arithmetic operation  
arithmetic operator  
arithmetic variable  
arithmetic and logic  
unit  
array  
artificial intelligence  
assembler  
assembler language  
assignment operator  
assignment sentence  
assignment symbol  
associations (relationships)  
asynchronous operation  
asynchronous transmission  
ATM (automatic teller  
machine)  
attribute  
audit trail  
automatic  
auxiliary storage

absorpsiereëls  
uittreksel, verkorting, abstrak,  
uittrek, verkort  
toegangsarm  
toegangsmetode  
toegangstyd  
akkumulator  
akoestiese koppelaar  
werklike parameter  
adres, posisie  
alfanumeries  
EN  
toepassing  
toepassingsprogrammatuur-  
pakket  
argument  
rekenkundige konstante  
rekenkundige omskakelings-  
bewerking  
rekenkundige uitdrukking  
rekenkundige bewerking  
rekenkundige operator  
rekenkundige veranderlike  
rekenkundige en logiese  
eenheid  
skikking  
kunsmatige intelligensie  
saamsteller  
saamsteltaal  
toekenningsoperator  
toekenningsin  
toekenningsimbool  
verwantskappe  
asinkrone werking  
asinkrone versending  
autokassiermasjien  
attribuut, kenmerk, eienskap  
ouditspoor  
outomaties  
sekondêre geheue

#### SPECTRUM + MEMBRANES

Due to an administration error, our supplier  
in England unfortunately sent us too many  
Spectrum + membranes. Because of the error  
he has given these membranes to us at a  
very special price. We are now passing this  
special price on to you. Take advantage of  
this now and get your backup membrane and  
be sure that when Murphy's Law strikes your  
keyboard you will be prepared for it!

Two Spectrum + membranes for the  
unbelievable price of only R33.00!  
The normal price of each is R28.50.

Special price	33.00
GST	3.96
P&P	2.00
Total	38.96

## THE TOP PEOPLES CHOICE



## A Right Royal Joystick—

SAVE YOUR KEYBOARDS for more important things  
like wordprocessing and other worthwhile  
activities! Get your kids a Joystick this  
christmas and make the life of your computer  
a lot longer. At the same time you can get  
more enjoyment out of your games - and  
really feel the action! With a joystick  
you will certainly be able to beat that  
HIGH score that you are so wanting to get  
at!

### The Explosive Joystick

This month we are having specials on both  
joysticks and joystick interfaces.

Interface or Joystick	Normal Price	Special Price	GST	P&P
Sinclair Interface	39.99	29.99	3.59	2.00
Interface II	49.99	39.99	4.79	2.00
Programmable Interface	75.00	65.00	7.80	2.00
Quickshot II	20.50	19.50	2.34	2.00
Quickshot IV	20.50	19.50	2.34	2.00



## CUSTOMS OFFICER

We apologise for the terrible  
delay that there has been in  
supplying goods to you from  
England, but Customs in the  
U.K. have stoped all goods  
from coming to South Africa  
until they have concrete  
proof that we are not selling  
to the Government.



## MICRO MOVER

### Accommodates Most Micro Computer & Printer Options:

- Occupies minimum of space (clears your desk).
- Is mobile and makes inter-office sharing practical.
- With the addition of accessories, can be tailored to suit your needs.

SPACE SPACE SPACE

Is this what you are moaning about?  
Are all your things piled about on  
your desk and you can not find anything?

Well the MACRO MOVER should be the answer to these problems. This economical space saver is the ideal stand for your computer, printer and that extra book or file that you are working from. Also this is the ideal Christmas present which will certainly be every cent worth its while as far as space is concerned!

RRP	R260.00
OUR PRICE	233.00
GST	27.96
P&P	14.00
TOTAL	274.96



## SPARIES

### QL OWNERS

Here is your chance to make sure that you are not caught unawares with a broken POWER PACK or MEMBRANE when you need your computer urgently. Take advantage of these low prices and stock up, and make sure that you are not caught by Murphy's law! Make sure that you have a backup in case of failure.

QL POWER PACK	
NORMAL PRICE	R99.50
SPECIAL PRICE	59.99
GST	7.19
P&P	2.50
TOTAL	69.68

PS It is cheaper to buy a new Power pack, than to have it repaired.

QL MEMBRANES		
NORMAL PRICE	R32.48	2 MEMBRANES FOR:-
SPECIAL PRICE	24.99	38.00
GST	2.99	4.56
P&P	2.00	2.50
TOTAL	29.98	45.06

## BACKUPS

To really ensure that your valuable software is always available and in good condition, it is advisable to make backup copies of all your most used software, and by doing so you can prevent being stuck with only one bummm copy when the tape becomes tired!

There are various software packages which are capable of doing this for you but they do not always work. The one utility that really does work is a piece of hardware called the Multiface. This interface is rather expensive, but if you share the cost with a friend then you will certainly be making a very worth while investment, by saving your software and not having to pay out too much in doing so.

The following is now available for making backups:

	RRP	Our price
Multiface 1 (hardware)	R179.00	R169.00
Multiface 128 (hardware)	R199.00	R185.00
Multiface 128+3 (hard)	R200.50	R189.00
Lerm TU9 (software)	R 39.99	R 35.99

### PAPER

Having extra paper tucked away at the back of a cupboard or under your desk is always a comfort, because you do not have to think about getting paper when your paper starts to run low. (Its always such an effort to remember before one runs out completely). Now is your chance to stock up on THERMAL AND ALPHACOM PAPER

Qty	Price	GST	P&P	TOTAL
1 roll	5.99	.71	1.20	7.90
2 rolls	9.98	1.19	1.50	12.67
3 rolls	13.47	1.61	1.50	16.58

### THERMAL PAPER (in boxes of 100 A4 sheets)

Qty	PRICE	GST	P&P	TOTAL
100	14.50	1.74	2.00	18.24
200	26.00	3.12	2.00	31.12
300	34.50	4.14	2.50	41.14

Normal prices of this paper are:  
Alphacom paper R6.99 per roll  
Thermal paper R17.50 per 100

R29.50  
R5.50  
A4 2000 sheets 80g  
A4 roll x 45m 80g

PAID

ROMANTIC ROM!

# Strip Poker

CAN LEAD TO DISCOVERY.....

## OPUS DISCOVERY OWNERS

Now that I have got your attention, I would like to let you know that you have not been forgotten in this fast moving technological world. This month we have included two specials just for you. 'Nobody else' can take advantage of these specials, so this is a really special special just for you!

Make your Opus 48K compatible with 128K

An EPROM to upgrade your Opus to version 2.22 for compatibility on the Spectrum 128K. Just quite simply plugs into your Opus. Nice n easy.

Price	R 29.99
GST	3.59
	33.58
P&P	1.50
Total	35.08



## THE SPECTRUM BASIC COMPILER

BLAST YOUR BASIC up to 40 x speed increase!

Opus owners, this is also an offer especially for you, as this program is only available on disk. Blast has the following facilities:-

- \* is the only compatible OPTIMISING BASIC COMPILER for the Spectrum
- \* will compile ANY BASIC program, without alteration
- \* can produce both native machine code and a compact p-code for programs where space is a premium
- \* will compile ALL the Discovery's extended disc commands
- \* When you have BLASTED your programs you are free to distribute or sell the results without any restriction
- \* also contains a TOOLKIT with full range of features including renumber, single-step, search and replace and block handling operations.

Normal Price	R69.00
Special Price	39.00
GST	4.68
P&P	1.50
Total	45.18

9.

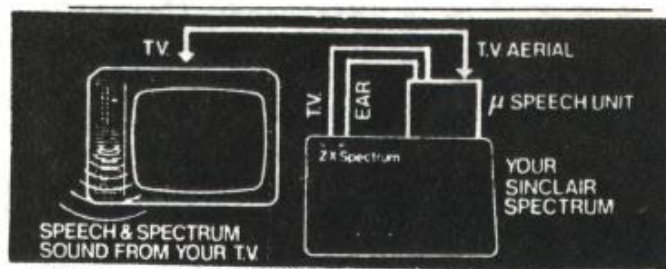
# The Computer Cook Book

## COMPUTER COOKBOOK

Don't leave Mom out in the cold! This christmas buy her the program which will involve her in your computer as well, in a practical and meaningful way. These two tapes for the unbeatable price of only R13.98. The two tapes include Menu Planning and Recipes.

So, come on and get Mom involved and show her that the computer is not just an untouchable instrument to be used by boffins!

Normal Price	R17.99
Special Price	13.98
GST	1.67
P&P	2.00
Total	17.65



## CURRAH MICRO SPEECH

Do you like experementing with your computer? How does sound strike you? Interesting..... well the Currah Micro Speech Unit lets your computer:-

- \* Speech and Spectrum Sound from your TV
- \* Infinite vocabulary
- \* All speech handled by custom gate array and integral ROM based software
- \* Full key voicing on power up
- \* Generate any speech string using SS
- \* Syntax check on your speech strings to indicate where errors occur
- \* Intonation to add character
- \* Hi-Fi or tape recorder output
- \* Comprehensive manual

So get moving and get your Spectrum talking!

Normal Price	R69.00
Special Price	55.00
GST	6.60
P&P	2.00
Total	63.60

Special offer very limited as there are only 5 in stock. So jump to it and get your Currah Micro Speech now, and don't be disappointed to find that when you do order we do not have stocks any more!



Beste Gert,

Ek het 'n paar probleme waarmee lesers my hopelik sal kan help:

a. Die eerste hiervan het betrekking op die eerste program wat op die band voorkom: ("tikprog"). Hierdie program is 'n poging van my, om my drukker soos 'n tikmasjien te laat werk - die drukker moet elke keer 'n letter uitdruk, sodra dit op die toetsbord getik word. My probleem is egter dat die roetine te stadig is, en gevolglik word al die letters nie uitgetik nie - sommige word oorgeslaan. Ek gebruik 'n Quen Data Daisy Wheel Drukker, wat teen so ongeveer 20 karakters per sekonde tik. Het iemand miskien vir my 'n masjienkode-program, of iets wat vinniger werk as my program?

Ek het die volgende koppelvlakke tot my beskikking:

- i. Copy 1 (Rocky Gush - Kaapstad)
- ii. Tasman B
- iii. Euroelectronics ZXL print III.

b. My tweede probleem het betrekking op die tweede program op die band: ("orrel").

i. Is daar 'n manier om die noot te laat aanhou solank as wat die betrokke sleutel ingehou word, met ander woorde, om die toetsbord soos 'n elektroniese orrel te laat funksioneer? Ek vind as ek die nootlengtes kort maak aan die begin van die program, herhaal die noot, maar ek hou nie van die "p-r-r-r" geluid van die noot nie. Weereens het dit waarskynlik met die feit te doen dat die "Basic"-roetines te lank vat, vandaar die onderbreking in die noot. Ek is op soek na of 'n masjienkode-roetine of 'n "INKEY \$" of "IN" roetine, wat 'n noot sal laat klink vir solank as wat ek die knoppie druk. (Jy is welkom om programuitdrukke van hierdie program te publiseer.)

ii. In die boek "Delving deeper into your ZX Spectrum" is daar 'n aantal interressante klankeffekte. Kan iemand moontlik hierdie klankeffekte in 'n program inkorporeer, sodat die Spektrum as 'n sintetiseerder gebruik kan word?

LOOK OUT FOR OUR UNBELIEVABLE SPECIAL PRICES ON SPECTRUM 48K, 128K+2, 128K+3 IN THE NOVEMBER NEWSLETTER. REMEMBER THAT CHRISTMAS IS JUST AROUND THE CORNER! There will also be specials on MODEMS, MUSIC MACHINES and SOFTWARE for everyone from the tiny tots to Mom and Dad.

## HELP:

IS THERE ANYBODY IN PROGRAM-LAND THAT CAN HELP ME WITH A PROGRAM OR TAPE/MICRO DRIVE FOR USING A PRINTER "SIDE WAYS" WITH SPECTRUM 48K COMPUTER.

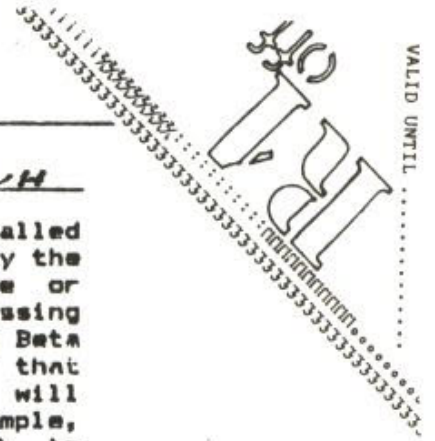
J A SARIS  
SPINGS  
1560

TEL: 816-1839 AFTER 5 o'clock

To answer this question, please look elsewhere in the Newsletter at the article on DUMPY3. This program has as one of its features, the ability to print as this rather desperate sounding person puts it "side ways".

## On The Fastrack



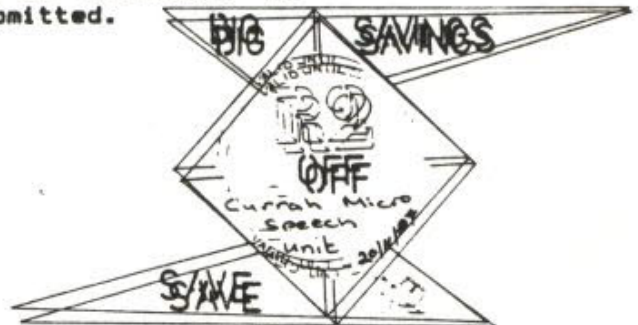
Program to TASWORD III : by GvH

This program written in Beta Basic 3.0 will create a file called "listing" containing a program listing that can be loaded by the TASWORD III word processor. So enabling you to view, change or print the program listing using the special word processing capabilities of Tasword. You will need both Tasword III and Beta Basic 3.0 as well as a Microdrive. Also keep in mind that program listings should not exceed line no 8999 as this will overwrite the program below. To use the program is quite simple, type in the listing below, then merge the program you wish to convert. Now put your TASWORD III cartridge in drive no 1 and simply type EOTO 9000, and wait. As soon as the drive has stopped and "File Converted" appears on the screen you can load TASWORD III and load "listing". The listing below was printed by TASWORD III, I used RENUM 9000 TO 9320 LINE 9960 STEP 1, to shift the listing and changed line 9963 to LIST #5; TO 9959. I have exaggerated the indenting and used plenty of REMinders as spacing to enhance readability, these may be omitted.

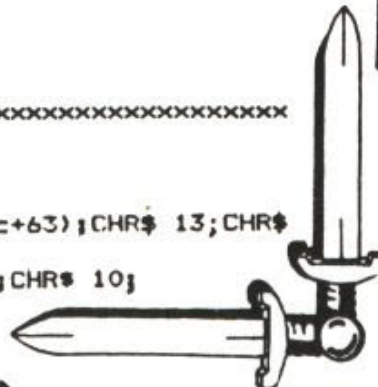
```

9000 REM  LISTING TASHORD III by GvH 1987
9010 REM
9020 OPEN #5;"m";1;"temp"
9030 LIST #5; TO 8999
9040 CLOSE #5
9050 REM
9060 OPEN #5;"m";1;"temp"
9070 OPEN #4;"m";1;"listing"
9080 REM
9090 REM
9100 REM  *** Main LOOP Altering Prog. To Spelled Out Form ***
9110 REM
9120 DO UNTIL EOF(5)
9130 INPUT #5; LINE t$
9140 LET a$=SHIFT$(7,t$)
9150 IF LEN a$>64 THEN div
      ELSE PRINT #4;a$;CHR$ 13;CHR$ 10;
9160 LOOP
9170 REM
9180 REM  *** End Of LOOP *****
9190 REM
9200 CLOSE #5
9210 ERASE 1;"temp"
9220 CLOSE #4
9230 REM
9240 PRINT "File Converted"
9250 REM
9260 REM  *** End of Program. *****
9270 REM
9280 DEF PROC div
9290 FOR c=1 TO LEN a$ STEP 64
9300 IF c+63<LEN a$ THEN PRINT #4;a$(c TO c+63);CHR$ 13;CHR$
      10;
      ELSE PRINT #4;a$(c TO LEN a$);CHR$ 13;CHR$ 10;
9310 NEXT c
9320 END PROC

```

**MICROL****USE  
AND  
LEARN**

BACK IN STOCK.

AT THE REDUCED  
PRICE OF ONLY  
R9.95

THE WORLD'S GREATEST RANGE OF  
**SINCLAIR SOFTWARE**  
PIONEERS IN 1981 — WAY AHEAD TODAY

Thinking of buying a new house? Looking for a new job? Wanting to expand the business? Good decisions result from careful evaluation of all the relevant factors. QL DECISION MAKER will help you realise the potential outcome of any specific course of action and the value of any one decision.

Using decision trees to illustrate the options available to you QL DECISION MAKER allows you to:

- \* Contemplate all the possible alternatives in any problem.
- \* Evaluate any decision in a logical and thorough manner.
- \* Understand the risks involved and arrive at rational, structured conclusions.
- \* Discover the costs and benefits of any particular course of action.
- \* Learn and apply powerful problem solving techniques.

QL DECISION MAKER contains a clear manual and three problem cartridges.

Normal price	R120.00
Special price	89.99
GST	10.79
P&P	2.50
Total	103.28

#### QL ENTREPRENEUR

Planning to start a new business or interested to know how? Need a business plan for a bank loan? Projecting a cash flow? Having problems understanding 'working capital', 'liabilities', 'profit and loss'?

QL ENTREPRENEUR will help you to build the basic business skills and techniques you require. Its interactive teaching program develops your understanding of the fundamental principles of business and the mechanics of a business plan. the applications program allows you to make use of your new ability to:

- \* Overcome the obstacles to starting a new venture.
- \* work out break-even points.
- \* Produce balance sheets, profit and loss and cash flow.
- \* work out your monthly cash requirements.
- \* Analyse the sensitivity of your projections and watch the effect on your profits.

Normal price	R140.00
Special price	123.49
GST	14.81
P&P	2.50
Total	140.80

## BCPL DEVELOPMENT KIT

A true compiler, ideal for systems programming - writing utilities, games and applications.

Features: generates native 68000 code; run time library includes easy QDOS interfaces; link loader links separately compiled segments; modules can be linked with Pascal or Assembler.

#### BCPL DEVELOPMENT KIT FOR THE QL

Metacomco's BCPL DEVELOPMENT KIT for the QL is a powerful package incorporating a full screen editor and a BCPL compiler. This kit is certainly a must for all of those QL users who have a knowledge of the QDOS operating system.

The programme contains the following:

##### 1. Screen Editor

The screen editor may be used to create a new file or to alter an existing one. The text is displayed on the screen, and can be scrolled vertically or horizontally as required. The size of the program is about 20k bytes and it requires a minimum workspace of 8k bytes.

##### 2. BCPL Language

BCPL provides a general structured way of expressing the logic of a program, and declaring the data required. Only a basic set of features is provided, the intention being that these basic features should be further enhanced by the definition of PROCEDURES as required. As a result the language is simple, compact, flexible and efficient to implement by avoiding unnecessary overheads.

##### 3. BCPL Library

This describes the library routines available under QDOS, and then details the global variables which are set to useful values. The procedures are listed in alphabetical order with a brief description. Following this a fuller description of each routine is given, again in alphabetical order.

Sound good? Please feel free to come in and have a look at this excellent package, which is really with its weight in gold!

Normal Price	R200.50
Special Price	180.89
GST	21.70
P&P	2.00
Total	204.59

FROM: METACOMCO

13.

Mr McLaglen in Zimbabwe has send us some routines which may be of some interest to other QL users. The one is a printer driver which he is using with a Star Gemini together with a modified boot; and the other is a simple Decimal to Roman Numeral converter. The listings follow.

# PRINTER DRIVER FOR Q.L. TO GEMINI 10X.

First access Printer Drivers on your Quill cartridge with;  
lrun advi\_install\_bas.

Set up a new Driver and call it Gem10x

## CODES:-

```

PORT.....ser1
BAUD RATE.....9600
PARITY.....NONE
LINE/PAGE.....100 SCOR WHAT EVER
CHR/LINE.....130
CONT FORM.....YES
END OF LINE CODE.....CR,LF
PREAMBLE CODE.....ESC,0,ESC,7,NUL
POSTAMBLE CODE.....NONE
BOLD ON.....ESC,E
BOLD OFF.....ESC,F
UNDERLINE ON.....ESC,-,SON
UNDERLINE OFF.....ESC,-,NUL
SUBSCRIPT ON.....ESC,S,SON
SUBSCRIPT OFF.....ESC,T
SUPERSCRIPT ON.....ESC,S,NUL
SUPERSCRIPT OFF.....ESC,T
TRANSLATE 1.....ESC,7,SON,8,ESC,7,NUL
TRANSLATE 2.....(SHIFT/CTRL M),ESC,S,NUL,ESC,3,
FF,ESC,B,ETX
TRANSLATE 3.....(SHIFT/CTRL R),ESC,3,CAN,ESC,B,
SON,ESC,T
TRANSLATE 4.....(SHIFT/CTRL C),SI
TRANSLATE 5.....(SHIFT/CTRL V),DC2
TRANSLATE 6.....(SHIFT/CTRL R),ESC,5
TRANSLATE 7.....(SHIFT/CTRL I),ESC,4
TRANSLATE 8.....(SHIFT/CTRL O),ESC,5

```

## NOTE:-

From Translate 2 to 8 I have put in brackets the first command as SHIFT/CRL followed by the key. I cannot use the actual command key because I am using this driver and to do so would cause the printer to shift to the mode the command key calls for. So with these entries you just press Shift and Ctrl together with the command key, and the appropriate symbol will appear in the driver instruction.

Having installed the above by using Function key 5. Access the Quill Boot program.

I recommend you modify this on the cartridge on which you install this driver, so you don't get screwed up with a standard Quill. To do so, access Boot, renam and then alter as per listing.

10 REMark ROMAN NUMERAL CONVERTER

11 REMark \*\*\*\*\*

12 PRINT"ROMAN Press a Key"

13 PRINT"INPUT LIMIT-8000"

14 PAUSE

15 CLS

16 WINDOW #1,300,200,80,10

17 CSIZE #1,0,1:PAPER #1,6,6:INK #1,0,0

18 CLS

19 AT 0,0:INPUT dn;:AT 0,0:PRINT "

20 IF dn>8000 THEN GO TO 19

21 SCROLL 26

22 RESTORE 33

23 PRINT dn;!!!

24 FOR rnos=1 TO 13

25 READ RN\$,DECN

26 REPEAT CONV

27 IF dn<DECN:EXIT CONV

28 PRINT RN\$;

29 LET dn=dn-DECN

30 END REPEAT CONV

31 END FOR rnos

32 GO TO 19

33 DATA 'M',1000,'CM',900,'D',500,'CD',400,'C',100,

XC',90,'L',50,'XL',40,'X',10,'IX',9,'V',5,'IV',4,'I',1

# METACOMCO

SEE WHAT IT HAS TO OFFER YOU THE QL OWNER.  
LOOK ON PAGE

100 CLEAR

110 WINDOW 512,256,0,0:CSIZE 2,1:CLS

120 AT 1,11:PRINT "LOADING QL QUILL"

130 AT 2,13:PRINT "version ";2.3

140 AT 3,6:PRINT "copyright 1984 PSION LTD."

150 AT 4,12:PRINT "word processor."

152 AT 5,8:PRINT "Micro-driver installed."

153 AT 6,5:PRINT "Configured to Gemini 10X only."

154 AT 7,2:PRINT "NEW KEYS:- With CTRL & SHIFT:-"

155 AT 8,5:PRINT "MODE ON OFF

156 AT 9,5:PRINT "MICRO M R"

157 AT 10,5:PRINT "CONDENSED C V"

158 AT 11,5:PRINT "ITALIC I O"

159 PAUSE 200

160 CLOSE #1:CLOSE #2:WINDOW #0,400,20,35,215

170 EXEC\_W MDV1\_QUILL

180 OPEN #1,scr:OPEN #2,scr

# RELEASE THE POWER OF THE



## QL TOOLKIT

I recomend you add this program to the TOOLKIT by Dan Fitggibbons (MAY '87). This program adds the following commands to the QL's vocabulary.

<b>ON_ERROR</b>	<i>ON_ERROR commands</i>	Will execute <i>commands</i> when an error occurs. eg. <b>ON_ERROR "beep 100,20"</b> will cause the computer to beep every time a error occurs.
<b>dec</b>	<i>dec hex\$</i>	Will convert <i>hex\$</i> into decimal. eg. <b>PRINT dec "ff"</b> will display 255.
<b>look</b>	<i>look startaddr</i>	Will display the contents on memory in the form address, Peek address and CHR\$ PEEK address.
<b>lookw</b>	<i>lookw startaddr</i>	Same as for look as well as the Peek_l and Peek_w. Pushing a key will make it continue, pushing "b" will make it go back.
<b>sys</b>	<i>sys</i>	Lookw at the system vars.

The main feature of this toolkit is the **ON\_ERROR** command. One negative point of this command is that the error and the command is displayed on #0. You will understand why this is when I explain how the **ON\_ERROR** command works. I found the following addresses without refering to any other book (except the QL manual), only by using the routines in this toolkit. The **ON\_ERROR** command can be typed in without the other routines and it will work on any mode.

#0 has a type ahead buffer (you can see this if you type a command in while a program is being executed then this will be executed when the program stops). When you use the **ON\_ERROR** command it POKES your command into the buffer, then when a error is produced it executes your command. The QL uses your command as if it had been typed in. This is why it displays your command.

You can stop the printing problem by setting #0's ink the same as it's paper. Do not attempt to close #0, it might cause the system too crash!

Do not type in the text in italics.

```

***  QL TOOLKIT  ***
***    by        ***
***  PETER LUPTON ***
100 DEFine PROCedure look (st)
110   FOR a=st TO st+1000
120     PRINT a,PEEK (a),CHR$ (PEEK (a))
130   END FOR a
140 END DEFine
150 DEFine FuNction dec (a$)
160   b=0
170   FOR a=1 TO LEN (a$)
180     IF CODE (a$(a))>60 THEN a$(a)=CHR$(CODE (a$(a))-32)
190     b=b+16^((LEN (a$))-a)*(CODE (a$(a))-48-7*(CODE (a$(a))>57))
200   END FOR a
210   RETURN b
220 END DEFine
230 DEFine PROCedure lookw (st)
240   CLS
250   FOR a=st TO st+1000 STEP 2
260     PRINT a,PEEK_L (a),PEEK_W (a),PEEK (a),CHR$ (PEEK (a)),PEEK (a+1),CHR$
(PEEK (a+1))
270     w$=INKEY$(-1):IF w$="b" THEN a=a-4
280   END FOR a
290 END DEFine
300 DEFine PROCedure sys
310   lookw (163840)
320 END DEFine
330 DEFine PROCedure ON_ERROR (er$)
340   LOCAL a,b,c$
350   a=PEEK_L (167536)  The address of the next character to be read by #0
360   c$=er$ & CHR$ (10)  Add a <ENTER> to your command
370   IF a+LEN (c$)>=PEEK_L (167528) THEN POKE_L 167536,PEEK_L (167528)-LEN
(c$):a=PEEK_L (167528)-LEN (c$)  If at the end of the buffer then lower the #0
pointer (line 350)
380   FOR b=1 TO LEN (c$)
390     POKE b+a-1,CODE (c$(b))  Poke the command
400

```



14. S I N C L A I R

END FOR b  
 400 POKE\_L 167532,a+LEN (c\$) 167532 is the address where input from the  
 keyboard will be entered, this line pokes it so the keyboard entry does not write  
 over your command  
 420 END DEFine

# BETA BASIC 4.0

15

## BETA BASIC 4.0

The many new commands and functions that Beta Basic provides give the Spectrum a Basic of great power and flexibility, which has few rivals on any micorcomputers. Because Beta Basic is compatible with the Spectrum Basic, you will not have to "unlearn" anything, although it is recommended that you look at the advantages of structured programming and the use of procedures. The facility to save Beta Basic has been added to allow you to make backup copies for your own use, or transfer to Micro-drive. Beta Basic 4.0 has been introduced to take advantage of the extra facilities offered by the 128k Spectrums. All the commands and functions of Beta Basic 3.0 are still available. Beta Basic 4.0 provides a large increase in memory space allowing you to hold arrays up to 64k long on the RAM disc. Graphics have been enhanced, with faster or more flexible versions of CIRCLE, DRAW, PLOT and FILL.

This programme is really the ultimate programming utility available for the Spectrum. So what are you aspiring Programmers waiting for? Get down to I.E. and get your copy!

Normal Price	R59.99
Special Price	49.99
GST	5.99
P&P	2.00
Total	57.98

For serious Beta Basic users, for you to get more enjoyment out of this program, there is an Extra Special newsletter just for you. This newsletter contains hints and tips, information on useful system variables, modifying the interpreter, program examples, readers questions and much much more!

This costs only R20.00 for 6 issues.

So come on and don't get left behind, keep up to date on your program, and get the BETA BASIC NEWSLETTER.

This newsletter is not sent out monthly like the ZX newsletter, but roughly bi-monthly.

## OVERSEAS MAGAZINES

We have received numerous requests to import certain English magazines, namely Sinclair User and QL World. Unfortunately until we have at least 5 000 members in the Club it will not be a viable proposition. For those of you who would like to know how many members there are now in the Club, well it is at the quite respectable number of 2 900. Still got quite a lot of growing to do!

So, tell your friends about this absolutely wonderful club, and keep it growing!

# TASWORD PLUS TWO

WORDPROCESSING is becoming an absolute must on computers, and many people can just not do without the luxury.

For those of you who have the new Spectrum Plus Two, THIS is the wordprocessor which you will just have to get! Those of you who had the the Spectrum 48k will be familiar with the old Tasword II. This programme is his big brother.

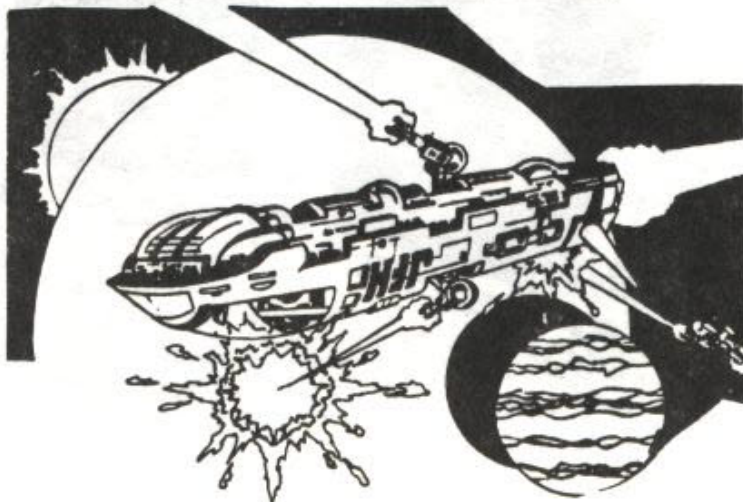
The programme has the following Features which will certainly appeal to the serious user.

- \* 64k text files
- \* Automatic WORD-WRAP and RIGHT JUSTIFICATION
- \* Move text LEFT and RIGHT: CENTRE A LINE
- \* DELETE a character, word, line, etc.
- \* INSERT characters and lines, and INSERT MODE and an AUTO INSERT MODE
- \* BLOCK MOVE, COPY and DELETE
- \* 64 CHARACTERS PER LINE on the screen
- \* WINDOWING gives up to 128 characters per line
- \* User defineable TAB positions
- \* SCROLL and FAST SCROLL up, down, sideways
- \* FIND a word. Global FIND AND REPLACE
- \* PRINT facilities include page numbering, headers and footers as well as many more.
- \* Easy transfer to MICRODRIVE
- \* Powerful MAIL MERGE facility.

Now, truthfully, who can resist this quality up to date wordprocessor for the Revolutionary price of:

PRICE	R52.00
GST	6.25
P&P	1.50
TOTAL	59.75

## THE WORD PROCESSOR



COMPATIBLE WITH YOU KNOW WHO.  
PRICED AS ONLY WE KNOW HOW.

**FOR IBM COMPATIBLE PC'S**

# AMSTRAD SPECIAL

SPECIAL AMSTRAD OFFER

20TH SEPTEMBER - 20TH OCTOBER 1987

AMSTRAD PC 1512 - UPGRADED TO 640 K - 8086 PROCESSOR  
INCLUDING MONOCHROME MONITOR, MOUSE, MS DOS 3.2, DOS PLUS,  
GEM DESKTOP, GEM PAINT, LOCOMOTIVE BASIC 2

- SINGLE 360 K FLOPPY DISC DRIVE
- 20 MB SEAGATE HARD DISC DRIVE AND CONTROLLER
- MICRO MOVER - COMPUTER STAND

ALL AT THE UNBELIEVABLE PRICE OF R 2 999 !

D O N ' T M I S S T H I S B A R G A I N

I. E. 'S NORMAL PRICE R 3 925

R R P R 5 948!!!

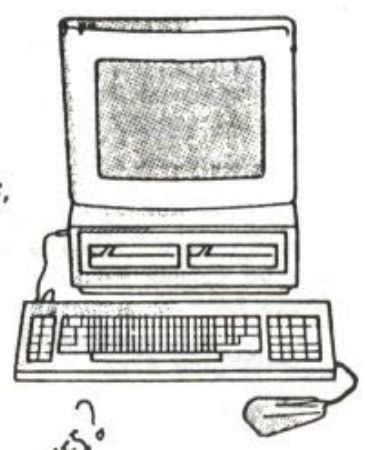
DOES YOUR HEART DO →

WITH THIS SET-UP WE WILL THROW IN A STAR GEMINI 160 CPS  
PRINTER A N D CONNECTING PRINTER CABLE

ALL FOR R 3 6 1 9

WE HOPE WE WILL BE ABLE TO COPE WITH THE RUSH.

PLEASE DON'T FORGET TO MAKE AN APPOINTMENT BEFORE YOU  
DASH OFF TO I. E.



NO GRAPHICS CARD NEEDED

PRICE	GST	P&P
R34.95	4.20	1.50 each

AT THESE PRICES THE IBM COMPATIBLE SOFTWARE WILL SOON BE GIVING THE SPECTRUM SOFTWARE COMPETITION!

Initially I.E. was not going to stock software for the Amstrad 1512 (which is IBM compatible), but because of the overwhelming requests that I.E. has received from the Club members, they have decided to go into software after all.

I.E. is going to try to keep a little something for everyone, from Dad to the kids.

Two programmes that will be familiar to ex-sinclair users are TASPRINT PC and TASWORD PC, although they are a little different for this big OAK!

## THE WORD PROCESSOR

### TASWORD PC

- \* This package includes a comprehensive user manual and a TUTOR, an invaluable aid for the first time user.
- \* Other features include:-
- \* On-screen help
- \* Automatic word-wrap and right justification
- \* Delete, insert and auto insert
- \* Windowing and 265 characters per line
- \* Find and replace
- \* Mail merge facility

JUST TO NAME A FEW OF THE FUNCTIONS OF THIS REALLY DYNAMIC WORDPROCESSOR!

RRP	R139.95
OUR PRICE	R109.99
GST	13.20
P&P	1.50
TOTAL	124.69

**Tasman**  
SOFTWARE

## THE STYLE WRITER

### TASPRINT PC The style writer

Print in a choice of more than twenty impressive new print styles on dot-matrix printers.

\* Featuring:-

ROMAN	- a classic typestyle
HERALDIC	- With fancy Capitals
ARTWORK	- useful for notices
PEROZZ	- a special script
SLIMLINE	- also in an italic form
BROADWAY	- unique and appealing
TYPERITE	- modern but not fancy

JUST TO SHOW YOU A FEW OF THIS PROGRAMMES CAPABILITIES!

RRP	R99.95
OUR PRICE	R9.95
GST	9.60
P&P	1.50
TOTAL	91.05

### A-B-C

ABC

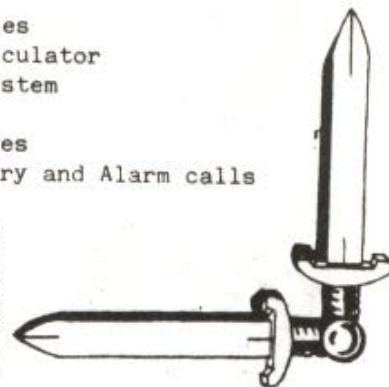
A-B-C is an all-in-one program designed specially for any business. We have assumed you know nothing about computers, and A-B-C can guide you all the way. Ideal for anyone setting up in business, as A-B-C makes book-keeping easy.

This program even allows you to interrupt any task and use an Electronic Jotter to take down a telephone message, or look up a price, before continuing - just like real life!

This is the perfect package as it includes everything that you are likely to need. It features:-

- \* Wordprocessor
  - \* Filing facilities
  - \* Spreadsheet calculator
  - \* Book-keeping system
  - \* Stock control
  - \* General utilities
- to name one, Diary and Alarm calls

RRP	R755.00
OUR PRICE	R699.00
GST	83.88
P&P	1.50
TOTAL	784.38



For the kids we have a wide range of games. they include :-

	PRICE	GST
* The Great Escape	R69.95	8.40
* Top gun	69.95	8.40
* World series Baseball	69.95	8.40
* Archon	69.95	8.40
* Sub battle simulator	89.95	10.80
* Games Compendium	49.95	6.00

- Demolition - Poker
- Solitaire - Venus Rocket
- Pacmania - Surround
- Yahtzee - Zylons
- Blackjack - Othello

Graphics/Desktop Publishing  
Word Processing  
Spreadsheets  
Databases  
Integrated Packages  
Utilities  
Cables Systems  
Cables Software  
Price-List  
Business Desktop Publishing  
Accounting  
Communications  
Accounting  
GOEMAP  
Accounting  
Databases  
Integrated Packages  
Utilities  
Cables Systems  
Cables Software  
Price-List  
Business Desktop Publishing

FOR OUR CATALOGUE, WHICH CONTAINS OVER 2000 TITLES, SEND US R1 POSTAL ORDERS AND WE WILL SEND IT TO YOU

AMSTRAD 1512  
compatible

# NEW TITLES OUT NOW ON IBM

18.

Our special introductory offer works as follows

Buy one title	R44.99
Buy 5 titles, each now only	39.99
Buy 10 titles, each now only	31.50

These special prices only apply to the following titles:-

	Special Price	Normal Price
Wheel of Fortune	44.99	49.99
Backgammon	44.99	49.99
Blackjack	44.99	49.99
Armchair quaterback	44.99	49.99
Poker	44.99	49.99
Greeting card maker	44.99	49.99
Sign banner maker	44.99	49.99
Calendar and Statimaker	44.99	49.99
Boulder Dash	44.99	49.99
Boulder Dash II	44.99	49.99
Mind Dance	44.99	49.99
AM/FM Volume I	44.99	49.99
AM/FM Volume II	44.99	49.99
AM/FM Volume III	44.99	49.99
Quest for the Ring	44.99	49.99

Other software titles which are now available through I.E. for IBM compatibles are:-

Archon	49.99	59.99
7 Cities of Gold	49.99	59.99
Cut n Paste	44.99	49.99
Pin Ball Construction Set	49.99	59.99
HomePack	97.99	129.99
Music Construction Set	49.99	59.99
Super Sunday	49.99	59.99
PSI Trading Company	69.99	89.99
World Games	79.99	99.99
Football Manager	49.99	59.99

WHEEL  
OF  
FORTUNE

AND FOR OTHER IBM COMPATIBLES



AMSTRAD 1512  
compatible!

LOOK at this really fabulous bargain and an unbeatable Revision Buddy!

Geometry R16.99

- \* Includes Angles, Triangles, Rectangles
  - \* Radius-tangent, circles
  - \* Revision questions
- Boy, what a steal!

**German**

What?.....

GERMAN giving you a pain in the..... (we will not say exactly what) at school? Well these two programs will help you with your vocab and put on the winners road. Together we will get rid of all those gendar hangups and what-nots!

German Master A R14.99

- \* 32 Lessons on vocab, verbs, adverbs and adjectives
- \* Also conjunctions and prepositions

German Master B R14.99

- \* 32 Lessons with the same layout as A, but with different and more advanced vocab etc.

## STARTING TO SWEAT ABOUT THOSE END OF YEAR EXAMS?

Don't sweat, we can help you. Especially you guys and girls in standards 8, 9, and 10.

We have the following tapes in stock to help you (and the rest of your family) through this most strenuous time. At the same time you will have your OWN PERSONAL TUTOR available any time of day or night!

Std

### ENGLISH

#### Shakespeare

- \* Macbeth
- \* Julius Caesar
- \* Romeo and Juliet R14.50
- \* Twelfth Night Each
- \* Mercant of Venice
- \* Henry IV

#### TESTS YOUR KNOWLEDGE OF CHARACTERS, EVENTS, PLACES

#### The grammar Tree

- \* Verb phrases
- \* Verbs
- \* Adverbs R19.99
- \* Transactive and intra-
- ssitive verbs
- \* Auxiliaries

### MATHS

#### Maths

Std

- \* Quadratic Equations (8-10)
- \* Simultaneous Equations
- \* Trigonometry
- \* Theorem of Pythagoras

#### Maths I (8,9 Std)

- \* Perimeters, planes, areas
- \* Algebra
- \* Equations R19.99
- \* Fractions

#### Maths II

- \* Trigonometry
- \* Percentage increase/decrease
- \* Proportions R19.99
- \* Differentiation
- \* Small compound interest

### CHEMISTRY

#### Formulae and Compounds

- \* Very detailed R17.60
- \* covers elements/reactivity/Moles/H<sub>2</sub>S/Periodic table

#### Calpac Chemistry (matric)

- \* Elements/compounds/mixtures and separations
- \* structure/bonding and properties
- \* Redox, electrolysis and the activity series
- \* Acids/bases/salts

See next page for German

### PHYSICS (8.9.10)

#### Physics

- \* Snell's law R19.99
- \* Linear expansibility
- \* The gas Laws
- \* Ohms laws and measurements

#### O'Level Physics R16.50

- \* Light and Heat
- \* includes optical instruments
- \* defraction/expansion
- \* transmission of heat

#### Magnets

R9.50

- \* the polarity of magnets and their behaviour

### ELECTRONICS

#### Linnet

R19.99

- \* A-C network analyser for Networking of
- \* Resistors, capacitors
- \* Inductors, transformers
- \* transistors and amplifiers.

### BIOLOGY

R19.99

- \* covers enzymes/hormones
- \* the ear and eye
- \* elementary canal and associated organs
- \* Botanical terms

### FRENCH

R18.95

#### Know your verbs

- \* covers present, imperfect, perfect, past, past perfect, future conditional and present subjunctive

#### French Mistress A R14.99

- \* 32 lessons covering vocab, tenses, sentence construction and gender

### HISTORY

R19.99

#### Time traveler

- \* covers Northern Hemisphere history
- \* Bronze age
- \* Roman Britain
- \* Norman/Tudor and Victorian Britain

19.

What made you turn the page around to read this ad? An unconventional perspective. A surprising little departure from the mundane. A promise of something out of the ordinary. All it took was a hint of difference to trigger your immediate response! This month we have got amazing specials which are not to be missed, if you do let them slip by, well then you are not a very interesting person!

So come on and be interesting!

**SALE**

# UNBELIEVABLE UNBEATABLE

## THIS MONTHS EXTRA SPECIAL PRINTER OFFERS

I.E. Stocks or can RAPIDLY obtain for you just about every printer or plotter currently being produced. If you have a favourite which we have not yet advertised or had a special on, just give us a ring. Nobody will beat our final price.

This months specials:

### NEW EPSON LX-800

180 cps dot matrix printer for only R679.00!

- \* With tractor feed as standard
- \* With Near Letter Quality as standard
- \* Automatic sheet loading on the front panel
- \* 3K Buffer
- \* Parallel and serial interface available
- \* Uses standard Epson FX/MX ribbon
- \* Epson and IBM emulation

RRP	R995.00
Our Price	679.00
GST	81.48
P&P	14.00
Total	774.48

**PRICED  
RIGHT!**

### SEIKOSHA SP180 AI

100 cps dot matrix printer for only R549.00

- \* With tractor feed as standard
- \* With Near Letter Quality as standard
- \* Automatic paper loading and ejection system
- \* Multi functional push button from switches-  
6 kinds of character pitch selection,  
NLQ mode setting and paper feeding
- \* Full graphics capability

RRP	R699.00
Our Price	549.00
GST	65.88
P&P	14.00
Total	628.88

## INTRODUCING

20.

# SEIKOSHA

*The ideal printer for  
SPREADSHEETS AND  
DATABASE printouts.*



*Remember  
margin  
padding!*

WOW!! JUST LOOK AT THE SPEED, WIDTH AND QUALITY OF THE PRINTING OF THIS IBM COMPATIBLE PRINTER! Its unbelievable!

Upgrade your system with a high speed, multi-purpose printer. The MP 5330 AI is just the thing. Withe the following features this is a truly amaizing offer.

- \* 300cps (draft) 50cps (NLQ)
- \* Superb NLQ
- \* Built-in Centronics Parallel and RS323
- \* IBM mode and EPSON mode
- \* 256 download characters
- \* Automatic paper loading and ejection
- \* Switch margin setting by the from panel
- \* 8 kinds of high resolution dot addressable bit image printing
- \* 11 internation characters selection
- \* Rear and bottom paper insertion
- \* Optional automatic cut sheet feeder
- \* Easy to handle optiona 7 colour printing kit.
- \* 132 Collumn Printer

RRP	R1999.00
Our Normal Price	1499.00
Our Special Price	1399.00
GST	167.88
P&P	20.00
Total	1586.88

Please feel free to contact us if you would like to know more about any of our products of printers.

We also stock cables between all computers and printers. Call to get the required price of the cable for your computer  
Cables that are standard stock are:-

RS232 printer cable	R29.99
IBM Parallel printer cable	21.99

This article is especially for you. The table which follows is to help you make the right choice and to let you know just what which interface is capable of and on which computer. Wordprocessing is becoming one of the most important functions of the computer and more and more people are moving into that direction, where they can write or rather print, their letters, reports, statements, christmas and other cards, personalised stationary, charts and other graphics.

Many newcomers to the little ZX Spectrum 48k really underestimate this little "Ballie" and think that it is not good for very much more than for playing games on. Well, that is the biggest mistake that they can make. The Spectrum 48k is a very versatile computer and can give the PC's a run for their money if you know how to use all its capabilities properly! Not to mention his bigger brothers!



Interface	48k	128k	128k+2	128k+3	Llist LPrint Copy	Price	GST	Other features
ZXLPrint	✓	-	-	Has built in Printer ports	✓	R149.00	R17.88	RS232/Plotter
Ramprint	✓	✓	✓		✓	169.00	20.28	Wordprocessor
Romatic Robot	✓	✓	✓		✓	169.00	20.28	Program menu

Did you know that with these interfaces you can:

Print the graphics that you create with your computer using - Copy ?

Print programmes that you have written using - LList ?

Print your letters and other documents using - LPrint ?

Create your own Christmas and other cards ?

Use Desk Top Publishing on you computer to create your own magazine ?

This month only we are having an extra special offer on TASWORD II, the wordprocessor, for the all inclusive price of R30.00 including tax! (R26.40 + GST R3.60 = R30.00). If you order TASWORD II through the post, please do not forget to add R1.80 for postage.

### PRINTER SPECIALS PRINTER SPECIALS

This month for only 10 days we are having a special on the SEIKOSHA SP1200i Printer.

This is a truly unbeatable offer, for a really great quality NLQ printer. We challenge you to find this printer cheaper anywhere in South Africa.

The SEIKOSHA SP1200 has the following features:-

- \* 9-pin, impact dot matrix printing method
- \* Printing speed - 120 cps draft
- \* 22 cps NLQ



**SEIKOSHA CO. LTD.**  
SYSTEM EQUIPMENT DIVISION

**PRICED  
RIGHT!**

**599<sup>00</sup>**

- \* Quiet operation in your office
- \* 52 dBA
- \* Printing styles - Double-width
- \* Bold, Double-strike, Italic, Super-and Subscript, and underlining
- \* Automatic paper loading and ejection system
- \* Multi-functional push-button from switches - 6 kinds of character pitch selectio, NLQ mode setting and paper feeding

R599.00.

RRP

R950.00

OUR NORMAL  
PRICE

R649.00

SPECIAL PRICE

R599.00

GST

71.88

P&P

10.00

TOTAL

680.88

# COMPUTER CLASSIFIED

## NOTICE BOARD

22.

**FOR SALE:** Brand new Currah micro speech and sound synthesiser. Puts all the sound through your TV and makes your computer talk! All for R70.00. Phone Pierre at (012) 435815

**FOR SALE:** ZX Spectrum, Interface I, Microdrive, Multiface I, DK' tronics Programmable Joystick, Novex Colour Monitor, Cartridges, Magazines, Software. Negotiable. TEL: L. Matkowsky (W) 0171-51780 (H) 0171-73991

**STONECHIP KEYBOARD R75.** Contact L. Partner TEL: 011-6096698 any time

**ZX SPECTRUM + BOOKS,** Centruary Programming Manual and cassettes. R350.00 O.N.O. TEL: 798391 - after hours

**FOR SALE:** ZX Spectrum R150.00, Sanyo data recorder R90.00, Blaupunkt computer compatible recorder R120.00, Quick-shot IV Joystick R15.00, Interface II R30.00. TEL: D.C. le Roux 011-8121244x547 (W) 011-8183746 (H).

Is there any member who has any copies of PUTTING YOUR AMSTRAD TO WORK, a monthly publication by Your Computer (U.K.), and distributed at one time by local news-agents? I once found one issue, of December 1986, and have never seen any more on the shelves since.

If there is anyone out there who is willing to part with their copies, or kind enough to let me borrow them for a week or two, I will most gladly reimburse them for their kindness/generosity/time/patience/postage/trust.

Frank Kruger  
12 Samuel Close  
DUYNEFONTEIN  
Melkbosstrand, 7441

QL for sale. Phone 011-7262425  
Price NEG.

**FOR SALE:** ZX Spectrum issue 3. Games worth R2000. Extra rubber keyboard. Black and White TV set. All for ONLY R700.00. Phone 01534-30528

**FOR SALE:** QL, Microvitec colour monitor, RS232 cable, Centronics adaptor, joystick adaptor, + 35 blank mdv/cartridges, commercial software worth over R200.00, various books and magazines. R1400.00 o.n.o. Phone A. Mitchell 031-752168

Recently we received a letter from one of our Club members (we will not mention his name for fear of embarrassing him to death), who was annoyed at the fact that we did not say for which computer software was for.

I shall endeavor to answer the question for him. All software advertised in the Club newsletter is for either the QL, Spectrum, and this includes all models, or for the Amstrad, and this is mainly the CPC 464. Most software for the Spectrum now comes out for both the 128k and the 48k. We will specify if the programme is specifically for a 128k. So you can take it that all software with no specification next to it will work on the 48k.

QL Software will also be specially indicated.

Onlangs het ons 'n brief van een van ons nuwe lede ontvang, waarin hy gekla het dat hy sy Nuusbrief in Engels ontvang het. Aangesien die basiese taal van dierekenaar Engels is, is die Nuusbrief in Engels geskryf. Ons probeer om so veel montlik Afrikaanse artikels te gebruik wat ons van Klub lede ontvang. Maar, ongelukkig het ons tot dus ver nie vreeslik baie ontvang nie.

So, vir ons Afrikaanse lede, hier is 'n uitdaging vir u om artikels vir die Nuusbrief, wat aanvaarbaar is om te publiseer, te skryf.

Moenie vergeet dat vir enige artikels wat gepubliseer word, sal die skrywer daarvan a klein beloning in die vorm van 'n geskenkbewys ontvang. Die waarde daarvan wissel tussen R5 en R15.

We have received a number of enquiries as to whether or not there is a manual or instruction sheet to go with the programme BACKUP. We would like to refer you to point Number 8 of the advertisement that appeared in last months Newsletter, which clearly states that the programme is completely menu driven with prompts, and extremely user friendly. BACKUP was produced by one of our club members, and this is the reason why the programme comes with no fancy packaging or instruction sheet. He claims that it is menu driven. Look at it carefully!

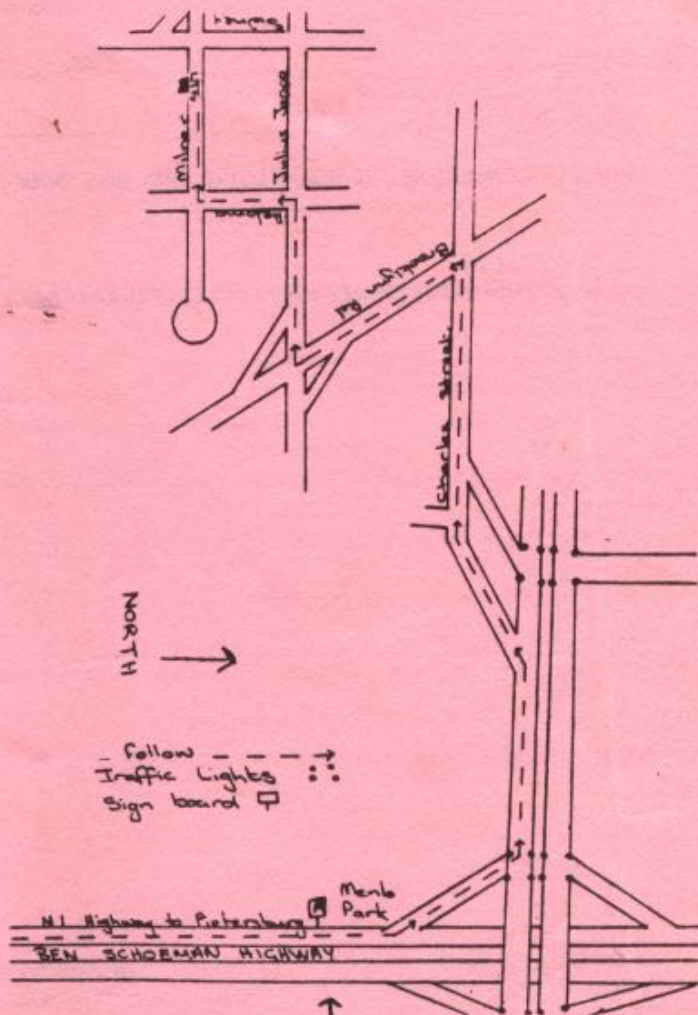
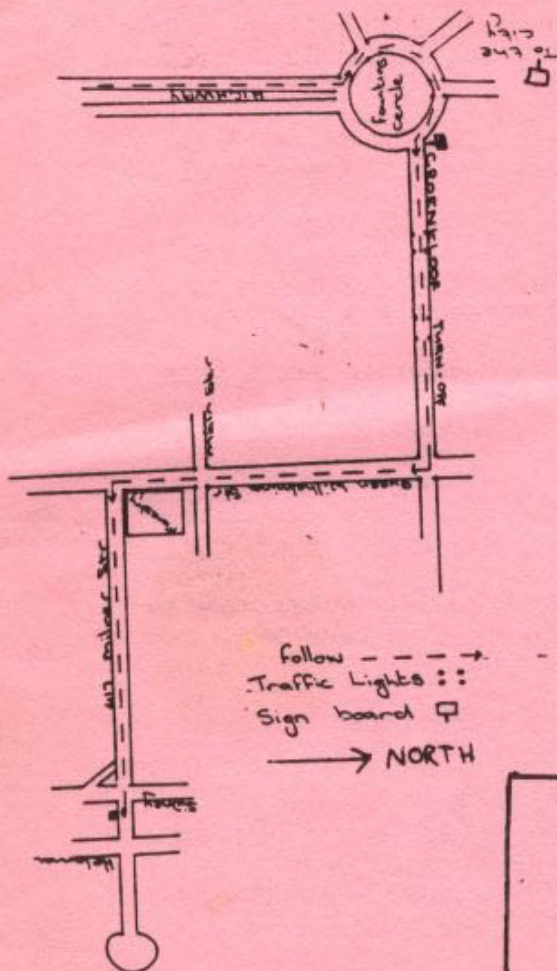
HOW MANY TIMES HAVE YOU GOT LOST  
WHEN COMING TO INFORMATION ENTER  
PRISES?

23.

Underneath there are two maps  
which may help you to find your  
way. There are two approaches,  
one from the North and the other  
from the South.

Good luck!

PS the maps are not to scale and  
are very roughly drawn.



We suggest that you use this route.

## COMPETITION CORNER

Well done guys. By the way Johan, your  
green banknotes are actually Yellow!  
Thank you for your participation. Come  
on, we would like to see more entries in  
future!

## COMPETITION RESULTS AND WINNERS

The answers for the August Competition  
were:-

The Budget

The Tomorrow War

The 27th Block

The first three correct entries  
drawn were:-

O. Roodt from Wonderboom

L.D. Bentley from Port Elizabeth

L. van der Walt from Randburg.

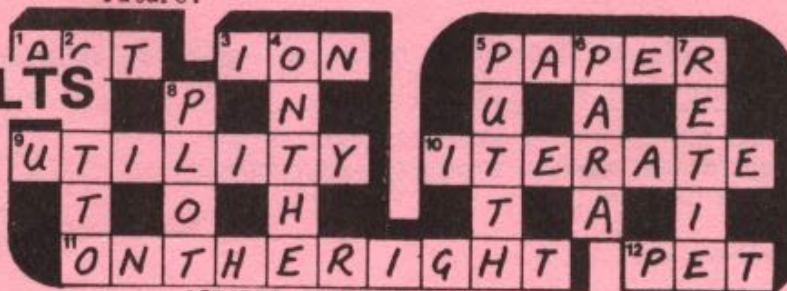
Congratulations Guys.

Winners of the September competitions  
are:-

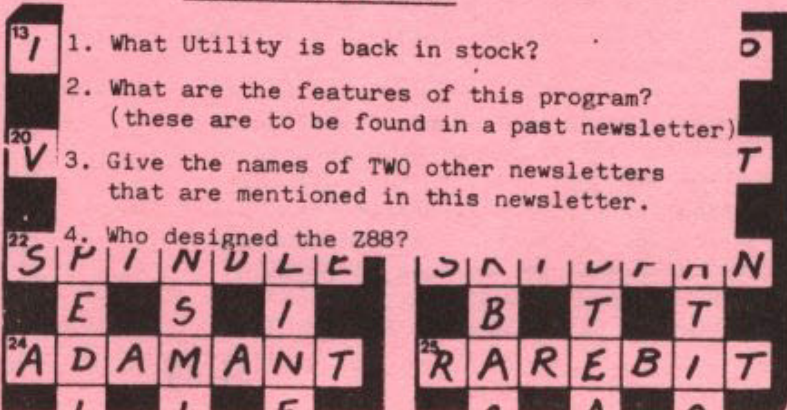
G. Ward Able who suggested this name  
for our factory-BOPUTER PEOPLE

AND

J.Grobler who completed the sentence  
Trails of a green banknote is waiting for  
me if I win this competition!



OCTOBER COMPETITION



# ORDER FORM

NAME \_\_\_\_\_ TEL \_\_\_\_\_ MEMBER REF #: \_\_\_\_\_

ADDRESS \_\_\_\_\_

To: INFORMATION ENTERPRISES, PO Box 35644, Menlo Park, 0102

DESCRIPTION	PRICE
*****	*****
_____	R_____
_____	R_____
_____	R_____
_____	R_____
_____	R_____
_____	R_____
=====	=====

PLEASE ASK FOR IE's CONDITIONS OF SALE

SUBTOTAL: R\_\_\_\_\_

12% GST : R\_\_\_\_\_

\* POSTAGE : R\_\_\_\_\_

TOTAL : R\_\_\_\_\_

\* POSTAGE & PACKAGING All items registered for your protection. Remember to take your ID to the P.O. Insurance 50c extra per item. First price in ( ) is for surface mail, second for air mail.

## \* SOFTWARE:

1 TAPE (R1.15, R1.50); 2 TAPES (R1.50, R1.85); 3 OR MORE TAPES (R2.30, R2.80); PACKS (R1.85, R2.30)

## \* HARDWARE:

INTERFACES (all) (R1.85, R2.30); DISC DRIVE (R5.90, R9.00); EXPANSION PACK (R3.45, R5.75); A4 PRINTER (R8.00, R13.80); TIMEX PRINTER (R4.45, R5.90); JOYSTICK (R1.885, R2.30); MONITOR (R8.00, R10.50); QL (R8.00, R14.50); SPECTRUM + (& 128K 2+) (R5.70, R8.25); PARTS: MEMBRANE (R2.30, R2.80); ALL OTHER PARTS (R1.85, R2.00); KEYBOARDS (all) (R1.85, R3.45).

You can have goods freighted - price on application.

## HOW TO ORDER FROM I.E.

ARE YOU ONE OF THE LITTLEIES THAT IS NOT QUITE SURE HOW YOU SHOULD GO ABOUT THINGS WHEN ORDERING?

Here's what to do.

Fill in the order form which is to found on the back of the Newsletter, or a reasonable facsimile.

When filling in your order, please do not forget to fill in all details such as POSTAGE AND GST. Now add the whole lot together in a very ordinary addition sum, and include payment for the whole Grand Total. Payment can be made in POSTAL ORDERS OR WITH CHEQUES which are to be made out to INFORMATION ENTERPRISES.

We will also gladly send your goods POST OFFICE CASH ON DELIVERY. Please note that this must be stipulated either on your order, or you can order COD Telephonically. NO COD ORDER CAN BE CANCELLED ONCE PLACED. Also please note that there is a R2.40 Post Office charge for the service and the Post Office also charges a 1% levy on the Grand Total once the R2.40 has been added. If you order COD you will have to pay these charges. Another condition for if you order your goods COD is that should you refuse the goods when they arrive, then you will have to pay the cost involved for the postage to and from your Post Office back to our Post Office.

P.S. THIS IS FOR BIGGIES AND OTHERS WHO ARE NOT SURE HOW TO ORDER.