
LE' VZ 200 OOP.

SEPTEMBER' 1984. #3

J.C.E.D'ALTON.

Hullo computing friends (OOPs),

I again thank those who have sent me money donations and other material. I would like your comments regarding the convenience or otherwise of sending me a 115mm*230mm unaddressed envelope with a 30 cent stamp so that I can send you the next LE'V newsletter and the general list, which is updated from time to time. Some have suggested other ways, as people do forget these things. Would a straight \$ cash amount or x number of postage stamps be easier?. I keep a record of all I receive.

Please type in and run the message Programme.

I have had a steady flow of letters from all over Australia in answer to my advert in the August issue of ETI., which is pleasing. I have already sent LE'VZ200 OOP. #2 to many of these but did not include the record of whom it was sent to, so that the details could be checked. When you receive your record printed on a small slip of paper, please send it back to me, with details of your equipment, your interest etc.

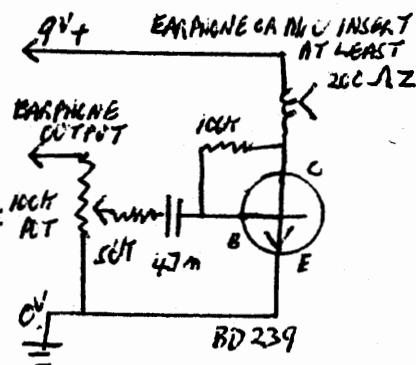
I am starting a SOFTWARE TAPE LIBRARY section in this issue so request you to advise me what you have available, either commercial or your own. If it is yours state if it is copyright, with about 50 words describing it, \$ cost if any.

Perhaps you would swap or give freely, keeping in mind cost of the tape. Keep in mind the matter of copyright at all times. Each programme will be given a code word. Perhaps you have software on paper, let me know also.

*** HARDWARE ***

On my hobbyhorse again, it is most useful to be able to hear the prog.sounds on loading if you cannot already, here is a little modification that I made to the VZ Datarecorder.

Next issue I will describe the fitting of a caps lock switch to the computer which keeps it in CAPITALS mode, which is handy if you use a word Processor.



*** TYPE IN AND RUN THIS MESSAGE PROGRAMME ***

```

10 CLS
30 FORI=1TO54
40 READD
50 PRINTCHR$(D);
60 NEXTI
200 DATA80,76,69,65,83,69,32,76,69,84,32,77,69,32,75,78,79,87
201 DATA32,87,72,65,84,32,89,79,85,32,32,32,32,32
202 DATA84,72,73,78,75,32,79,70,32,76,69,103,86,90,50,48,48,32
203 DATA79,79,80,46
300 END

```


*** QUESTIONS OR HELP ***

J. Leon. How can the <break> key be disabled. How to detect if a printer is connected, switched on or not???

G. Campbell. Requires design data to Plot model aircraft wings, and is willing to Pay for help.

R. Frith Would like to improve the graphics resolution. A circuit mod is described in EA. August but it does not work, it was to give 50% better resolution in mode 1, anyway I am following it up.

A. Garrick. Is having trouble with the OR statement. On Page 3 is the 'OR' line which wont work, the use of ' < ' of the second Prog. gets around it ok. Can any one Put us right???

*** PROGRAMMING ***

I trust you all picked that the quotation marks (") were missing in the first Prog. in LE'V 2.

PEEKs AND POKES. You should know by now that a variable can hold, in this case an integer, ei A=55, until the Prog. is broken, either by Pressing <BREAK> or an error message being displayed.

The way around THIS is to simply Poke the value (55) into memory, ei. POKE 30680,55. The value (55) will remain in memory until another value is Poked into 30680 or if the computer is switched off. I use 30680 to 30719 as this is the highest row of addresses (bottom row of the video display) used in high res mode 1).

You are reminded that a value no higher than 255 can be used without a little extra fiddling. In basic I test if A>250 (250 for a round figure) then assign another variable A=250.

```
ei...100 IfA>250then500else200
      200Print"A is smaller than 250"
```

```
...
500B=A-250:Print"B is now 0"
```

```
ei...if A=260, B=A-250, so B=10. So the Process is reversed when PEEKing.
2000B=PEEK(30680)
2010If B>0thenB=B+250, so B=10+250, so B=260.....
```

I hope you can understand that ok, otherwise I shall Print a short listing of it in LE'V 4.

This works up to the value of 510 or 509.

Here are some more communications area addresses, but as there are a LOT more which many of us need I request YOU to let me know, such as the POKES and PEEKS to disable BREAK, LLIST, LIST, CLOAD etc.

```
30934/5 string$ Pointer
30973/4 end of variables table
30744 screen 0=light(normal)background black chars.
          1=dark(inverse)background white chars.
30882/3 current line number
20671 10= ? review mode 1
```

. 0 = mode 0, a Peculiar one, you must try rather than me describe it, but of course you must have a Pattern already in mode 1.

An excellent book for basic Programming I recommend is 'LEARNING TRS-80 BASIC FOR MODELS I, II/16 AND III' by David A. Lien. Some areas are different of course, but if you go through it from Page 1 by the time you strike the "foreign" statements you should know your way past them.

=====

The top Prog. on the left is the 'OR' one, the one below it is the '<' Prog..
 The object is to calculate on a value between 100 and 200.

The one on the right is by courtesy of A.Tarbit, which gives double Precision maths capability.

```

10 INPUT "N" ;A:CLS
50 IFA<100THENPRINT "<100":GOTO10
100 IF A<100ORA>200THEN500ELSEGOTO600
500 PRINT "100-200":GOTO10
600 PRINT ">200":GOTO10
  
```

```

10 INPUT "N" ;A:CLS
50 IFA<100THEN60ELSE100
60 PRINT "SMALLER 100":GOTO10
100 IF A<200THEN260ELSE300
260 PRINT "SMALLER 200":GOTO10
300 IFA<300THEN360ELSE500
360 PRINT "SMALLER 300":GOTO10
500 PRINT "OVER 300":GOTO10
  
```

```

10 CLS:REM:PRECISION SIMPLE ARITHMETIC
20 CLEAR100
40 PRINT:PRINT
50 PRINT"KEY IN NO. OF FUNCTION"
60 PRINT"NO MORE?...0"
61 PRINT"MULTIPLICATION....1"
62 PRINT"DIVISION.....2"
63 PRINT"ADDITION.....3"
64 PRINT"SUBTRACTION.....4";:INPUTQ
70 IF Q=0 PRINT"END":END
80 IF Q>5 PRINT :PRINT"INVALID NUMBER":G
OTO 40
90 PRINT:PRINT
110 INPUT"FIRST NUMBER";A$
120 INPUT"SECOND NUMBER";B$
131 IF Q=1 GOTO 210
132 IF Q=2 GOTO 220
133 IF Q=3 GOTO 230
134 IF Q=4 GOTO 240
140 PRINT"RESULT=";VAL(C$)
160 GOTO 40
210 C$=STR$(VAL(A$)*VAL(B$)):GOTO 140
220 C$=STR$(VAL(A$)/VAL(B$)):GOTO 140
230 C$=STR$(VAL(A$)+VAL(B$)):GOTO 140
240 C$=STR$(VAL(A$)-VAL(B$)):GOTO 140
  
```

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Type in cheque Payments, date, chq #, to, and 13 \$ columns, view data, additions and correct if required, save on tape, then at end of month load back and Print out.

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B 3	Mailing List	D. Smith El	Copyright	Exchange	24K
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Again I ask you to give me info. of what you have available, some of you have already told me the titles but no other details.

GOD bless and happy computing until next issue.
 John.C.E.D'Alton.

