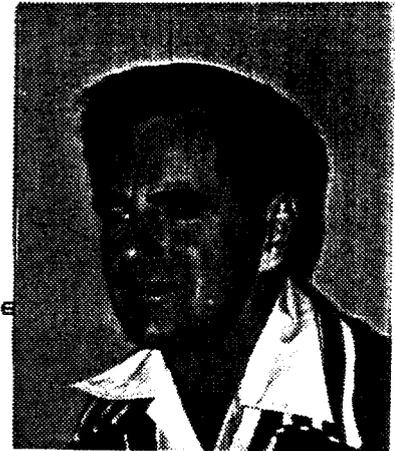


FEB. 1987. #15 A\$1.00. J.C.E.D'Alton. 39 Agnes St., TOOWONG. QLD. 4066.
AUSTRALIA.

Editorial

Greetings OOPs,

I hope that you all did have a pleasant and peaceful festive season. The one thing that we miss is the absence of the threepences and sixpences that used to be found in the Christmas puddings. The advent of decimal currency with the new coin material put an end to that, sorry to say. You young OOPs, ask your Mum and Dad about that.



My Christmas Gathering grew to a Mini-Expo, as I advertised it in the Brisbane Courier Mail. The invitation was for OOPs and any interested folk to attend. The day was a great success so a report is on page 10. If any OOP held a similar get-together, no matter how small, please send in a little write-up about it.

Some of us think that we should hold more frequent gatherings or workshops. Mr. Bob Kitch is willing to help or fully conduct such meetings. This I am willing to assist folk with, but I do not have the time to impliment myself. What do YOU think??? Please let me know. Bob suggests in a month or so time.

A little bad news for all is that I am increasing the price of LE'VZ 200/300 OOP to A\$2.00. per copy from issue #16. \$1.00. has been the price from the first issue nearly two years ago. The last few issues(#8 to #14) I have been subsidising by about \$50.00 per print run. This I cannot continue to do. Of course most of you would realise that I spend a lot of time printing LE'VZ, but that I am only too happy to do. Bringing news, help and so on to OOPs is very gratifying.

This will commence with #16, about June 1987. OOPs who have credit between \$1.00. and \$2.00. at that time will still receive #16 LE'VZ.

The good news is that future LE'VZs will contain more pages, and now that I can print in compressed mode, there will be more information contained therein.

I have had few comments on the new format of #14, but I guess "no news is good news". On page 9 are the new instructions/suggestions for contributors and OOPs. Also would those OOPs who have not previously filled out a DATA FORM please do so. It is on page 12.

From LE'VZ #16 this newsletter will be referred as a magazine, -- LE'VZ magazine --. It will be the best in the southern hemisphere with YOUR help.

I am sorry to say that most of the present personal computer magazines are no longer aimed at the "personal computer" market, rather the big dollar "business" market.

GOD BLESS to all, and may your EASTER be a joyious time.
John and Marie D'Alton.

This contribution by Mr. A Seeger of MONBULK.

The other commands are <ERA> to erase a file, data or programme. <DIR> is to view/print the directory of files on the disc. <REN> is to rename a file. <DCOPY> to copy a disc to another disc. Before a disc is to be used, it must be initialised <INIT>.

Commands for data programming are:-

<OPEN> to open a file, <CLOSE> to close a file, <IN#> to read a file, <PR#> to write to the file.

Finally, if two disc drives are in use, the drive must be selected as <DRIVE1> or <DRIVE2>. (Ed)

BLOAD--:

Eg:-BLOAD"FILENAME"

You do not need the hex addresses for this command. This will load any binary program from disk, if it is a program like the WORD PROCESSOR it will not work because it needs to run instantly, if you type RUN after you load it your VZ will lock up because it needs to have a starting address. If you are loading a screen its as easy as typing BLOAD"FILENAME", of course if it is a hi-res screen you will need to type in the hi-res command before you load the screen. Eg--:

10

MODE(1):BLOAD"FILENAME":FORX=1T05000:M
EXT ,and you will have your screen in

about 3 to 5 seconds.

BRUN--:

Eg:-BRUN"FILENAME"

This command will instantly run any binary program from disk. If you try and run a screen loading the VZ will lock up because it will be looking for a machine language (assembly) program in memory which of course wont be there. You will have no worries running a program like the WORD PROCESSOR or any other M/I program with this command.

Well that just about raps it up, if you have any queries please do not hesitate to write to me. My address is--

Andrew Seeger
C/-Monbulk P.O.
Monbulk, Vic, 3793

Dear VZ-USERS, I recently acquired a disk drive system for my VZ-300, and due to a conversation with Scott Le Brun not long ago he asked me to write about 3 disk commands in particular, these commands are:-BSAVE, BLOAD and BRUN. Let us have a look at these commands one by one.

BSAVE--:This command allows you to save any part of memory that you want, but first you must know the hexadecimal start and end addresses of where you want to save.

Eg:-BSAVE"FILENAME",xxxx,xxxx

This will save the entire locations of from xxxx to xxxx. This command is particularly useful for saving VZ screens, yes you heard right, I did not even know of this until about 3 weeks after I got my disk drive.

To save a screen to disk is very easy but there is a bit of work beforehand. First you have to write your program (unless you already have a program written) to draw the screen and the last instruction should be BSAVE"FILENAME",xxxx,xxxx

The hexadecimal addresses for saving the VZ screens are:-7000 hex (28672 dec) and 71FF hex (29183 dec) for mode(0) (text mode) and 7000 hex (28672 dec) and 77FF hex (30719 dec) for mode(1) (graphics mode). I recently got hold of a copy of the program LEARJET and I found that it took too long to start because of the long intro, you guessed it, I saved the screen and now instead of taking 15 to 20 seconds to run the intro it now takes just under 4 seconds WOW!

"I hope this plane doesn't travel faster than sound", said the old lady to the stewardess.

"Why?"

"Because my friend and I want to talk, that's why."

 COMMERCIAL SOFTWARE
 for the DSE V7200-300
 COLOUR C O M P U T E R

 PROGRAM DISTRIBUTOR
 NAME

 EDUCATIONAL PROGRAMS

Speed & Accuracy LYS
 Study Aid LYS
 Maths Pack McC
 Code Maker/Break McC
 Number Challenge McC
 Word Challenge McC

Radio Man Pack HIR
 Parent Teacher Pack HIR

Statistics I DSE
 Statistics II DSE
 Speed Readings DSE
 Typing Teacher DSE
 Music Writer DSE
 Spellingomatic 1 & 2 DSE
 Spellingomatic 3 & 4 DSE
 Flashcard 1 & 2 DSE
 Flashcard 3 & 4 DSE
 Metric Spycatcher DSE
 Whizkid Spycatch DSE
 Maths Armada DSE
~~Star Trek~~ Geometry DSE
 Keyboard VSW
 Wordmatching VSW
 Meatpies VSW
 Maths Countdown VSW
 Coordinates VSW
 Tower Of Hanoi VSW
 Microscope VSW
 Block Fuzzler VSW
 Meatpies VZ VSW
 Plus And Minus VSW

Maths VSW
 Queensland VSW
 European Capitals VSW
 Camping VSW
 Eudisk VSW
 Morse Code MIL

 GAMES PROGRAMS

Morsoth COS
 Boskone Alert COS
 Rally Racer COS
 Defence Penetrator COS

Super Invaders MIL
 Pak Man MIL
 Biorythm MIL
 Snake Maze LOW

Ten pin bowling McC
 Graphic Golf McC
 Enchanted Princess McC
 Gamblers Pack McC
 Hi Jinks McC

Star Pilot CAR
 Skiing CAR
 Target CAR
 Golf CAR

Hansman RHO

Flisht Deck VSW
 Learjet VSW
 VZ Monopoly VSW
 Flying Saucer VSW
 Haunted Mansion VSW
 Mansion / Nova VSW
 Scotland Yard VSW
 Blackjack VSW
 Poker Machine VSW
 World Squares VSW

Computer Monopoly VSW
 Trivial Cult VSW
 Scotland Yard 2 VSW
 Air Traffic Controller VSW

Ghoulbusters CEL
 Royal Poker CEL
 Thermonuclear War CEL
 Galactic Fisher CEL
 Lunar Landers 2020 CEL
 Cataclysm Catapillar CEL
 Jailhouse Breakout CEL
 3-D Merciless Maze CEL
 Minotaur Perilous CEL
 Battle Galaxy 7 CEL
 Airlocks Maze CEL
 Reactor Destruction CEL
 Titanium Triology CEL
 Conan The Barbarian CEL
 Battle Of Vietnam CEL

Two Up LYS

Russian Roulette LYS
 Beat The Bus LYS
 Mousetrap LYS
 Alien Escape LYS
 Cub Scout LYS
 Asteroid Field LYS
 Little Packer LYS
 Caverns of Venus LYS
 Goldmine Adventure LYS
 VZ Startrek LYS
 The Enchanted Princess LYS

Ten Pin Bowling LYS
 Graphic Golf LYS
 The Lost Sword LYS
 Castle LYS
 Haunted House LYS
 UFO's LYS
 Pharaoh's Tomb LYS
 Land of Scrod LYS
 Adventure Island LYS
 Convoy LYS
 Alien Rain LYS
 Yahtzee LYS
 Triffids : 2040 AD LYS

Melbourne Cup LYS
 Pyramid Adventure LYS
 VZ Star Trek II LYS
 City blitz : ? LYS

Slot Machine LYS

Matchbox DSE
 Poker DSE
 Hansman DSE
 Slot Machine/Roulette DSE
 Blackjack DSE
 Circus DSE
 Biorythm DSE
 Invaders DSE
 Dynasty Derby DSE
 Learjet DSE
 Ghost Hunter DSE
 Hoppy DSE
 Super Snake DSE
 Knights & Dragons DSE
 Defence Penetrator DSE
 Star Blaster DSE
 Asteroids DSE
 Air Traffic Controller DSE
 Tennis DSE
 Checkers DSE
 Ladder Challenge DSE
 VZ - Panic DSE
 Planet Patrol DSE
 Othello DSE
 Draculas Castle DSE
 Backsammon DSE
 Attack Killer Tomato DSE
 Chess DSE
 Duel DSE
 Formula One DSE
 Kamakazi DSE
 Missile Attack DSE
 Disout DSE
 Hamburger Sam DSE
 Lunar Lander [Laser] DSE
 Lunar Lander [VZ300] DSE
 Galaxon DSE
 Dawn Patrol DSE
 Tennis Golf lesson DSE
 Horse Rabbit Racins DSE
 Crash DSE
 Penguin DSE
 Space 4am DSE

Poker BJE

Circus BJE

Invaders BJE

Ghost Hunter BJE

Hoppy BJE

Star Tracker APE

The Lost Crown APE

Teacher Zapper SOR

Super Snake BJE
 Knights & Dragons BJE
 Defence Penetrator BJE
 Star Blaster BJE
 Asteroids BJE
 Panic BJE
 Planet Patrol BJE
 Ladder Challenge BJE
 Learjet BJE
 Air Traffic Controller BJE
 Rally X BJE
 Checkers BJE
 Hansman BJE
 Blackjack BJE
 Golf Lesson BJE
 Tennis BJE
 Galaxian Adventure BJE

Snake Trap TAI
 Phantom Driver TAI
 Word Teaser TAI
 Ghostly Maze TAI
 Pattern Guess TAI
 Bright Idea TAI
 Cross Over TAI
 Snake Trails TAI
 Shark Bait TAI
 Grave Disser TAI
 Missile Safe TAI
 Three Hundred TAI
 Shoot TAI
 Hunter TAI
 Fighter TAI
 Piano Songs TAI
 Save Me TAI
 Cavern Chaos 2 TAI
 Enervac TAI
 Circuitry TAI
 Fuse TAI
 Mower Mania TAI
 Flag Climber TAI
 Astro Save TAI

Star Tracker APE

The Lost Crown APE

Teacher Zapper SOR

+ + GRID IRON + +

BY SCOTT LE BRUN
CONCLUSION

```

2150 PRINT@99,VSR
2160 RETURN
2170 PRINT@195,"!!!! OOPS , I FUMBLERED !!!!",SOUND30,1:DN=1:YDS=10
2180 IFQTR=10RQTR=3,C#=Y#ELSEC#=M#
2190 RETURN
2200 PRINT@200,"!!!! SAFETY !!!!",DN=1:YDS=10
2210 IFQTR=10RQTR=3,NPS=25:OPS=25:C#=Y#ELSENPS=55:OPS=55:C#=M#
2220 VSR=VSR+2
2230 PRINT@89,VSR
2240 RETURN
2250 PRINT@196,"!!!! TOUCHDOWN !!!!",DN=1:YDS=10
2260 IFQTR=10RQTR=3,NPS=25:OPS=25:C#=Y#ELSENPS=55:OPS=55:C#=M#
2270 HSR=HSR+7
2280 PRINT@78,HSR
2290 RETURN
2300 FORA=31TOSSTEP-1: SOUNDAA,1:NEXT
2310 PRINT@197,"!!!! GOOD PUNT !!!!",DN=1:YDS=10
2320 IFQTR=10RQTR=3,NPS=OPS+20:C#=M#ELSENPS=OPS-20:C#=Y#
2330 IF(QTR=10RQTR=3)ANDNPS>64,NPS=55
2340 IF(QTR=20RQTR=4)ANDNPS<16,NPS=25
2350 OPS=NPS
2360 RETURN
2370 FORA=31TOSSTEP-1: SOUNDAA,1:NEXT
2380 PRINT@197,"!!!! GOOD PUNT !!!!",DN=1:YDS=10
2390 IFQTR=10RQTR=3,NPS=OPS-20:C#=Y#ELSENPS=OPS+20:C#=M#
2400 IF(QTR=10RQTR=3)ANDNPS<16,NPS=25
2410 IF(QTR=20RQTR=4)ANDNPS>64,NPS=55
2420 OPS=NPS
2430 RETURN
2440 IFQTR=20RQTR=4,2520
2450 Z=0:IFNPS>25ANDRWK9,PRINT@193,@M$:DN=1:YDS=10:VSR=VSR+3:Z=1
2455 IFZ=1,C#=M#:GOT02590
2460 Z=0:IFNPS>30ANDRWK7,PRINT@193,@M$:DN=1:YDS=10:VSR=VSR+3:Z=1
2465 IFZ=1,C#=M#:GOT02590
2470 Z=0:IFNPS>35ANDRWK5,PRINT@193,@M$:DN=1:YDS=10:VSR=VSR+3:Z=1
2475 IFZ=1,C#=M#:GOT02590
2480 Z=0:IFNPS>38ANDRWK4,PRINT@193,@M$:DN=1:YDS=10:VSR=VSR+3:Z=1
2485 IFZ=1,C#=M#:GOT02590
2490 PRINT@193,@M#
2500 IFNPS>55,NPS=55:OPS=55
2510 GOT02610
2520 Z=0:IFNPS<25ANDRWK9,PRINT@193,@M$:DN=1:YDS=10:VSR=VSR+3:Z=1
2525 IFZ=1,C#=Y#:GOT02590
2530 Z=0:IFNPS<30ANDRWK7,PRINT@193,@M$:DN=1:YDS=10:VSR=VSR+3:Z=1
2535 IFZ=1,C#=Y#:GOT02590
2540 Z=0:IFNPS>35ANDRWK5,PRINT@193,@M$:DN=1:YDS=10:VSR=VSR+3:Z=1
2545 IFZ=1,C#=Y#:GOT02590
2550 Z=0:IFNPS<38ANDRWK4,PRINT@193,@M$:DN=1:YDS=10:VSR=VSR+3:Z=1
2555 IFZ=1,C#=Y#:GOT02590
2560 PRINT@193,@M#
2570 IFNPS<25,NPS=25:OPS=25
2580 GOT02610
2590 GOSUB3190:PRINT@89,VSR
2600 IFQTR=10RQTR=3,NPS=55:OPS=55ELSENPS=25:OPS=25
2610 RETURN
2620 IFQTR=20RQTR=4,2690
2630 Z=0:IFNPS<25ANDRWK9,PRINT@193,@M$:DN=1:YDS=10:HSR=HSR+3:Z=1
2635 IFZ=1,C#=Y#:GOT02750
2640 Z=0:IFNPS<30ANDRWK7,PRINT@193,@M$:DN=1:YDS=10:HSR=HSR+3:Z=1
2645 IFZ=1,C#=Y#:GOT02750
2650 Z=0:IFNPS<35ANDRWK5,PRINT@193,@M$:DN=1:YDS=10:HSR=HSR+3:Z=1
2655 IFZ=1,C#=Y#:GOT02750
2660 PRINT@193,@M#
2670 IFNPS<25,NPS=25:OPS=25
2680 GOT02770
2690 Z=0:IFNPS>55ANDRWK9,PRINT@193,@M$:DN=1:YRD=10:HSR=HSR+3:Z=1
2695 IFZ=1,C#=M#:GOT02750
2700 Z=0:IFNPS>50ANDRWK7,PRINT@193,@M$:DN=1:YRD=10:HSR=HSR+3:Z=1
2705 IFZ=1,C#=M#:GOT02750
2710 Z=0:IFNPS>45ANDRWK5,PRINT@193,@M$:DN=1:YRD=10:HSR=HSR+3:Z=1
2715 IFZ=1,C#=M#:GOT02750
2720 PRINT@193,@M#
2730 IFNPS>55,NPS=55:OPS=55
2740 GOT02770
2750 PRINT@78,HSR
2760 IFQTR=10RQTR=3,NPS=25:OPS=25ELSENPS=55:OPS=55
2770 RETURN
2780 YLN=(NPS-15)*2
2790 IFYLN>50,YLN=100-YLN
2800 RETURN
2810 IFPOS1=10RPOS1=2,PRINT@196,"NO GAIN ON THE PLAY":RETURN
2815 PRINT@200,"INCOMPLETE PASS"
2820 RETURN
2830 IFPOS1=10RPOS1=2,PRINT@197,"GAIN OF"YRD(RW,POS1):
2835 IFPOS1=10RPOS1=2,PRINT"ON THE PLAY":RETURN
2840 PRINT@194,"PASS COMPLETED FOR"YRD(RW,POS1)"YARDS"
2840 RETURN
2850 IFPOS1=10RPOS1=2,PRINT@197,"LOSS OF"ABS(YRD(RW,POS1)):
2855 IFPOS1=10RPOS1=2,PRINT"ON THE PLAY":RETURN
2860 PRINT@193,"QUARTERBACK SACKED:LOSS OF"ABS(YRD(RW,POS1)):
2860 RETURN
2870 QTR=QTR+1:PLS=1:GOSUB5000:GOSUB64000
2875 PRINT@33,"END OF HALF",GOSUB3190:QTR=QTR+1:PRINT@83,QTR
2880 IFHOLD#="K",KR#="R"ELSEKR#="K"
2890 GOSUB64000:IFPOS#="H",PRINT@33,"IT'S YOURSELSEFRINT@33,"IT'S MY"
2895 PRINT@65,"BALL ON THE":PRINT@97,YLN:PRINT@101,"YRD LINE"
2897 RETURN
2900 PLS=0:GOSUB65000:GOSUB64000:PRINT@33,"END OF"
2905 PRINT@65,"QUARTER":GOSUB3340:NPS=80:OPS=NPS:QTR=QTR+1
2907 GOSUB64000:IFPOS#="H",PRINT@33,"IT'S YOURSELSEFRINT@33,"IT'S MY"
2909 PRINT@65,"BALL ON THE":PRINT@97,YLN:PRINT@101,"YRD LINE"
2910 PRINT@83,QTR:RETURN
2920 CLS:GOSUB370
2930 PRINT@33,"TIME IS UP: THE GAME IS OVER"
2940 IFHSR>VSR,PRINT@161,"YOU LOST BY A SCORE"
2942 PRINT@193,"OF"HSR"TO"VSR
2945 IFHSR>VSR,PRINT@257,"BETTER LUCK NEXT TIME"
2950 IFVSR>HSR,PRINT@161,"YOU WON BY A SCORE"
2952 PRINT@193,"OF"VSR"TO"HSR
2955 IFVSR>HSR,PRINT@257,"CONGRATULATIONS !!!!"
2960 PRINT@385,"WOULD YOU LIKE TO PLAY AGAIN?"
2965 PRINT@417,"(Y/N)"
2970 IFINKEY#<>"",2970
2980 ANS#="INKEY#":IFANS#="",2980
2990 IFANS#="Y",RESTORE:GOT0340
3000 IFANS#<>"N",2980
3010 CLS:END
3020 DATA 0,2,14,10,0,2,98,0,0,40,8,4,8,4,99,-2,-4,0,99,0,6,10
3022 DATA 0,6,50,00,6,12,0,0,4,-2,-8,18,0,0,16,-2,0,99,14,30,6
3024 DATA 0,0,2,0,4,2,0
3030 DATA 0,2,14,10,0,2,98,0,0,40,8,4,8,4,99,-2,-4,0,99,0,6,10
3032 DATA 0,6,50,00,6,12,0,0,4,-2,-8,18,0,0,16,-2,0,99,14,30,6
3034 DATA 0,0,2,0,4,2,0
3130 SOUND16,3,18,2,20,3,20,1,20,3,18,2,20,3,16,2,16,3,18,2,20,3,20,1,20,2
3140 SOUND18,1,18,2,16,2,18,2,20,3,16,2,16,3,18,2,20,3,20,1,20,2

```


VZ ROM PRINTER ROUTINES

BY LARRY TAYLOR

This is an assembly language printout of a section of the VZ ROM (Read Only Memory), which handles output to the printer. Each time a character is LPRINTed, it is sent via this routine.

The comments alongside should help to explain what each section does. The driver routine at 05B0 HEX first checks to see if the value is one that can be printed. If it is, a jump is made to 3AB6 HEX, where a second check is made to see if it is an inverse or a graphics character. If it is neither, the character will be printed, otherwise a jump is made to 3AD8 HEX. At this point the value is tested to see if it is a graphics block. If it is not, an inverse character will be printed, otherwise a final jump is made to 2C73 HEX where the appropriate graphics character is printed.

PRINTER DRIVER

VZ-200 Z-80 DISASSEMBLER V 1.0

05B0:79	LD	A,C		Y	LOAD CHARACTER TO PRINT
05B0:79	OR	A		?	RESET FLAGS
05B1:2833	JR	Z,33	(05C4)	??	IF ZERO GET PRINTER STATUS AND RETURN
0591:FE0B	CP	OB		??	CHECK FOR TOP OF FORM CODE
0593:280A	JR	Z,0A	(059F)	??	IF YES GO 30 LINE FEEDS TO TOP OF PAGE
0595:FE0C	CP	OC		??	CHECK FOR CONDITIONAL TOP OF FORM CODE
0597:2014	JR	NZ,14	(05AD)	?	JUMP IF DATA CHAR
0599:AF	XOR	A		?	CLEAR A
059A:DD8603	OR	(IX+03)		???	GET NUMBER OF LINES PER PAGE
059D:280E	JR	Z,0E	(05AD)	??	IF ZERO DON'T SKIP ANY LINES
059F:DD7E03	LD	A,(IX+03)		???	GET COUNT OF LINES PER PAGE
05A2:DD9604	SUB	(IX+04)		???	AND SUBTRACT LINES PRINTED SO FAR
05A3:47	LD	B,A		B	NUMBER OF LINES TO SKIP
05A6:CDE23A	CALL	3AE2		???	DO A LINE FEED
05A9:10FB	DJNZ	FB	(05A6)	??	LOOP UNTIL AT TOP OF PAGE
05AB:1812	JR	I2	(05BF)	??	RESET LINE COUNT AND RETURN TO CALLER
05AD:CDB63A	CALL	3AB6		???	GO PRINT CHARACTER
05B0:79	LD	A,C		Y	RESTORE PRINT CHARACTER TO A
05B1:FE0D	CP	OD		??	CHECK FOR CARRIAGE RETURN
05B3:CO	RET	NZ		?	RETURN TO CALLER IF DATA CHAR
05B4:DD3404	INC	(IX+04)		???	INCREMENT LINE COUNT
05B7:DD7E04	LD	A,(IX+04)		???	GET LINE COUNT SO FAR
05BA:DD8E03	CP	(IX+03)		???	COMPARE TO NUMBER OF LINES PER PAGE
05BD:79	LD	A,C		Y	RESTORE PRINT CHARACTER TO A
05BE:CO	RET	NZ		?	RETURN TO CALLER IF PAGE NOT FULL
05BF:DD360400	LD	(IX+04),00		???	PAGE FULL, RESET LINE COUNT TO ZERO
05C3:C9	RET			?	RETURN TO CALLER
05C4:DB00	IN	A,(00)		??	GET PRINTER
05C6:E601	AND	01		??	STATUS
05C8:C9	RET			?	RETURN TO CALLER

D O N E
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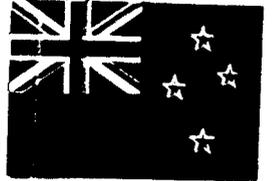
PRINTER OUTPUT

VZ-200 Z-80 DISASSEMBLER V 1.0

3AB6:B7	OR	A		?	IF CHAR = OR > 128
3AB7:FA083A	JP	M,3ADB		??	THEN CHECK FOR INVERSE CHAR
3ABA:FS	PUSH	AF		?	SAVE CHARACTER TO PRINT
3ABB:CDE83A	CALL	3AE8		???	CHECK IF BREAK KEY PRESSED
3ABE:D2C43A	JP	NC,3AC4		??	IF NOT THEN PRINT CHARACTER
3AC1:F1	POP	AF		?	RESTORE CHARACTER TO PRINT
3AC2:37	SCF			?	SET CARRY FLAG
3AC3:C9	RET			?	RETURN TO CALLER
3AC4:DB00	IN	A,(00)		??	CHECK PRINTER
3AC6:CB47	BIT	0,A		??	STATUS
3AC8:20F1	JR	NZ,F1	(3ABB)	?	IF NOT ON LINE GO CHECK BREAK KEY
3ACA:F1	POP	AF		?	RESTORE CHAR TO PRINT
3ACD:D30D	OUT	(0E),A		??	SEND OUT PORT 14
3ACF:FE0D	CP	(0D),A		??	SEND OUT PORT 13
3AD1:37	SCF			??	CHECK FOR CARRIAGE RETURN
3AD2:3F	CCF			?	
3AD3:CO	RET	NZ		?	RETURN TO CALLER IF NOT
3AD4:3E0A	LD	A,0A		??	LOAD LINE FEED CODE
3AD6:1BE2	JR	E2	(3ABA)	??	GO AND DO LINE FEED
3ADB:CB77	BIT	6,A		??	CHECK IF CHAR IS INVERSE
3ADA:CA732C	JP	Z,2C73		???	IF NOT THEN GO GRAPHICS CHAR ROUTINE
3ADD:E63F	AND	3F		??	REDUCE VALUE TO RANGE 0-63
3ADF:C35639	JP	3956		???	GO TO INVERSE CHARACTER ROUTINE
3AE2:3E0D	LD	A,0D		??	DO A
3AE4:CDBA3A	CALL	3ABA		???	CARRIAGE RETURN
3AE7:C9	RET			?	RETURN TO CALLER
3AEB:B7	OR	A,(68FD)		?	RESET CARRY FLAG
3AE9:3AFD68	LD	2,A		??	CHECK IF THE
3AEC:CB57	RET	NZ		?	CONTROL KEY PRESSED
3AEE:CO	LD	A,(68DF)		??	IF NOT RETURN TO CALLER
3AEF:3ADF68	SCF			?	CHECK FOR KEY PRESS
3AF2:37	LD	2,A		??	SET CARRY FLAG
3AF3:CB57	BIT	2,A		??	IF YES RETURN TO CALLER WITH CARRY SET
3AF5:C8	RET	Z		?	IF NOT CLEAR CARRY FLAG
3AF6:3F	CCF			?	RETURN TO CALLER
3AF7:C9	RET			?	

D O N E

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JOHN D'ALTON FEB 1987.

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D O N E
INSTRUCTIONS: 30
BYTES: 60

PRINTS INVERSE CHARACTERS 4

VZ-200 Z-80 DISASSEMBLER V 1.0

3956:FS PUSH AF
 3957:CS PUSH BC
 3958:DS PUSH DE
 3959:ES PUSH HL
 395A:6F LD L,A
 395B:2600 LD H,00
 395D:3E08 LD A,08
 395F:CDBA3A CALL 3ABA
 3962:0604 LD B,04
 3964:ES PUSH HL
 3965:D1 POP DE
 3966:B7 DR A
 3967:ED5A ADC HL,DE
 3969:10FC DJNZ FC
 396B:ES PUSH HL
 396C:C1 POP BC
 396D:21943B LD HL,3B94
 3970:09 ADD HL,BC
 3971:3EFF LD A,FF
 3973:CDBA3A CALL 3ABA
 3976:0605 LD B,05
 3978:7E LD A,(HL)
 3979:23 INC HL
 397A:CDBA3A CALL 3ABA
 397D:10F9 DJNZ F9
 397F:3EFF LD A,FF
 3981:CDBA3A CALL 3ABA
 3984:3E0F LD A,0F
 3986:CDBA3A CALL 3ABA
 3989:E1 POP HL
 398A:D1 POP DE
 398B:C1 POP BC
 398C:F1 POP AF
 398D:C9 RET

D O N E
 INSTRUCTIONS: 34
 BYTES: 56

** OTHER CLUBS **

VZ-Down Under, Mr. George Seegie, C/O Unit 3/90 Grey St., St.KILDA VIC 3182, Australia.
 They print a newsletter.

VZ USER, Mr.Mark Harwood, P.O. Box 154, DURAL NSW 2158, Australia.
 They charge a yearly subscription and print a monthly newsletter.

AD LIB Vee Zed MICRO CLUB, Mr.Gordon Brownell, 13 Brooks St., BIGGENDEN, QLD 4621, Australia.
 A newsletter and other information is printed.

PRINTS GRAPHICS CHARACTERS 3

VZ-200 Z-80 DISASSEMBLER V 1.0

2C73:CS PUSH BC
 2C74:47 LD B,A
 2C75:3E08 LD A,08
 2C77:CDBA3A CALL 3ABA
 2C7A:78 LD A,B
 2C7B:E60F AND OF
 2C7D:ES PUSH HL
 2C7E:CB27 SLA A
 2C80:4F LD C,A
 2C81:AF XDR A
 2C82:47 LD B,A
 2C83:21AF02 LD HL,02AF
 2C86:09 ADD HL,BC
 2C87:7E LD A,(HL)
 2C88:47 LD B,A
 2C89:23 INC HL
 2C8A:7E LD A,(HL)
 2C8B:4F LD C,A
 2C8C:78 LD A,B
 2C8D:CDBA3A CALL 3ABA
 2C90:CDBA3A CALL 3ABA
 2C93:CDBA3A CALL 3ABA
 2C96:79 LD A,C
 2C97:CDBA3A CALL 3ABA
 2C9A:CDBA3A CALL 3ABA
 2C9D:CDBA3A CALL 3ABA
 2CA0:E1 POP HL
 2CA1:C1 POP BC
 2CA2:3E0F LD A,0F
 2CA4:CDBA3A CALL 3ABA
 2CA7:C9 RET

D O N E
 INSTRUCTIONS: 31
 BYTES: 53

HELP.

Mr.Peter Schaper, PO, Box 608, REDCLIFFE, QLD, 4020, has a Brother HP 600 Word proc unit connected via the DSE, RS232 interface to a VZ300. It works in a fashion. Can someone help him.

Mr.V Patel of P.O. Box 239, MATAMATA NEW ZEALAND is looking for a PASCAL Interpreter/Compiler. Can anyone help?

Mr.Stan Hodgson of 81 Haunted Hills Road, NEWBOURGH VIC 3825, phone (05)127 3751 or (051)273 751 requires any information on a Super EN-F1090 printer.

What happens if pigs fly?
 Bacon goes up.

*** SOFTWARE FOR SALE FROM VSOFTWAREZ ***

39 Agnes St., TOOWONG. QLD. 4066. AUSTRALIA. (07) 371 3707.

FEBRUARY 1987.

+ + EXISTING SOFTWARE. + +

All prices are correct at time of printing, but may change without notice. All articles available while stocks last. All prices in A\$.

All tape software includes postage up to four tapes.

When ordering software, always state := which computer VZ200 or VZ300, if you have an expansion RAM unit, and if you have a disc drive system connected or denote as below.

VZ1 = unexpanded VZ200. VZ2 = unexpanded VZ300.
VZ3 = expanded VZ200. VZ4 = expanded VZ300

IE. TB15 = Tape only unit of B15. DE5 = Disc only unit of B5.

T/DE4 = Tape or Disc unit of E4. The price stated is for a Tape unit. If a Disc unit is required, add \$5.00. to the Tape price. The price of a Disc unit is as stated.

We now accept BANKCARD and VISACARD, as well as bank, building society, credit union, private cheques, or Aust Post money orders.

Make cheques payable to J.D'ALTON or VSOFTWAREZ.

*** NEW SOFTWARE. ***

T/DU49 VZ-EPSON P/PATCH. \$ 15.00. VZ1-VZ4.

Larry Taylor's new M/L unit. It allows Epson or Epson compatible printers to LPRINT or LLIST all of the VZ's inverse and graphic characters. These same characters can also be dumped to the printer from the LO-RES screen in the COPY mode. In MODE(1), use of the COPY command will also dump the HI-RES screen to the printer.

COPY,n, allows a range of 4 to 8 to be selected to allow for varying line feeds for different printers. The utility adjusts for any size VZ memory. It also prints the Extended Basic commands that are used if a programme is written using the Extended Basic utility. Very handy! It can even be used with the Extended Basic utility loaded. A second command, LTAB(n), allows a left margin from 0 to 15 to be selected. This is for <LLISTing> a BASIC programme.

DU22 Disk Copy. \$ 10.00. VZ1-VZ4.

Another M/L utility which is similar to DCOPY with the added facility of VERIFY. This is done as it runs and shows the sector numbers.

D/T644 MONOPOLY V2.00 \$17.00. VZ3.

This new version from Scott LeBrun replaces his two other units, D/T63 and D/T639. You have the option to play the VZ and/or up to eight players.

D/T645 MONOPOLY V2.0 \$19.50. VZ4.

This new version from Scott LeBrun replaces his two other units, D/T63 and D/T639. This is identical to D/T644 except that it includes a high resolution display of the Monopoly board. You have the option to play the VZ and/or up to eight players.

Scott will replace Tape versions of T63 and T639 with T/644 for people who have purchased those, but please include money for postage.

Mr.S Le Brun, 5 Cameron Court, WANTIRNA. VIC. 3152.

D/T650.ESCAPE RIVER. \$15.00. VZ3-VZ4.

A game by Larry Taylor for two to six players. Players must work together to build a raft before a big flood arrives. The top four text lines are in Low Res. while the rest of the VDU. is in High Res. depicting the river, trees, people and so on.

D/TU2	EDITOR/ASSEMBLER	\$ 20.00.	VZ3-VZ4.
D/TB1	CASH BOOK LEDGER	\$ 20.00.	VZ3-VZ4.
TU4	COLOUR GRAPHICS	\$ 10.00.	VZ3-VZ4.
D/TE1	KEYBOARD	\$ 8.00.	VZ1-VZ4.
D/TE2	WORDMATCHING	Deleted.	
D/TE3	MEATPIES	\$ 10.00.	VZ3-VZ4.
D/TU3	UTILITIES	\$ 15.00.	VZ2-VZ4.
TU5	WEAVING DRAFTS	\$ 10.00.	VZ1-VZ4.
D/TE4	MATHS COUNTDOWN	\$ 10.00.	VZ3-VZ4.
D/TE5	COORDINATES	\$ 10.00.	VZ2-VZ4.
D/TE6	TOWER of HANOI	\$ 8.00.	VZ1-VZ4.
D/TE7	MICROSCOPE	\$ 8.00.	VZ3-VZ4.
D/TE8	BLOCK PUZZLER	\$ 10.00.	VZ1-VZ4.
TE20	PLUS and MINUS	\$ 10.00.	VZ1-VZ4.
TE24	MATHS	\$ 15.00.	VZ3-VZ4.
TE25	QUEENSLAND	\$ 10.00.	VZ1-VZ4.
TE27	EUROPEAN CAPITALS	\$ 10.00.	VZ1-VZ4.
TE30	CAMPING	\$ 10.00.	VZ1-VZ4.
D/T62	MANSION and NOVA	Deleted.	
D/T63	VZ MONOPOLY.	Deleted	
TU12	SEARCHTAPE	Deleted.	
D/T613	SCOTLAND YARD	\$ 12.50.	VZ3-VZ4
DB4	LE'VZ D'BASE	\$ 98.00.	VZ3-VZ4
TB15	DATABASE-VZ	\$ 25.00.	VZ3-VZ4
T635	HAUNTED MANSION	\$ 12.50.	VZ3-VZ4
TU6	VZ EXTENDED BASIC	\$ 20.00.	VZ1-VZ4
TU7	PROTECT	Deleted.	
TU8	CMERGE/DELETE/REN	\$ 12.50.	VZ3-VZ4
TU9	MONITOR DEBUGGER	\$ 25.00.	VZ1-VZ4
This new version finds VZ memory size itself.			
TU10	EXTENDED BASIC	\$ 12.50.	VZ3-VZ4
TU11	ARRAY/RESTORE	\$ 14.95.	VZ3-VZ4
You must have TU10 to use TU11.			
D/TU12	FILESEARCH	Deleted.	
DE1-8	EDUDISK	\$ 50.00.	VZ3-VZ4
T/DE9	MEATPIES V2.	\$ 15.00.	VZ3-VZ4
TU18	LOAD XX80 FILES.	\$ 20.00.	VZ1-VZ4
This new version finds VZ memory size itself.			
T/D636	BLACKJACK.	\$ 20.00.	VZ3-VZ4
T/D637	POKER MACHINE.	\$ 20.00.	VZ3-VZ4
T/D638	WORDSQUARES.	\$ 10.00.	VZ2-VZ4
T/D639	COMPUTER MONOPOLY.	Deleted.	
T/D640	TRIVIAL CULT.	\$ 15.00.	VZ2-VZ4
T/D641	SCOTLAND YARD 2.	\$ 15.00.	VZ3-VZ4
DB5	LE'VZSTATEMENT.	\$185.00.	VZ4.
DB16	CHEQUE LEDGER D.	\$ 60.00.	VZ3-VZ4
D/TU19	COPY/PROTECT.	\$ 30.00.	VZ1-VZ4
DU20	DISC GUARD.	\$ 60.00.	VZ1-VZ4
T/DU21	VZ-EPSON PRINT/P.	Deleted.	
DU22	DISK COPY.	\$ 10.00.	VZ1-VZ4
D/TU48	FILESEARCH.	\$ 10.00.	VZ1-VZ4.
<hr/>			
D/T644	MONOPOLY.	\$ 17.00.	VZ3-VZ4
D/T645	MONOPOLY.	\$ 19.50.	VZ4.
D/T650	ESCAPE RIVER.	\$ 15.00.	VZ3-VZ4
D/ U46	QUICKWRITE.	\$ 40.00.	VZ3-VZ4
DU47	DISKOPS1.	\$ 10.00.	VZ3-VZ4
DU48	DISKOPS2.	\$ 10.00.	VZ4.
D/T642	AIRTRAFFIC CONTROLLER.	\$20.00.	VZ3-
D/T643	LEARJET.	\$ 20.00.	VZ3-VZ4
DU49	VZ-EPSON PRINT/PATCH.	\$ 15.00.	VZ1

EXTENDED BASIC

JOHN D'ALTON.

EXTENDED BASIC PROGRAMMING.

VARPTR.

This time I will discuss VARPTR (VARiable PoiNter) use. As I stated before, I do not give a full description of EXTENDED BASIC commands, only enough to whet your appetite and seek a good BASIC programming book. The easiest way to implement EXT. BASIC commands is to borrow or purchase one of our units.

The VAR of VARPTR can be a numeric or a string variable. I will only refer to a string variable here.

You may wish to change a string variable in the line in a programme from "SYDNEY" to "ALBURY". VARPTR find the address of the first character, which is "S" in "SYDNEY". The new word with it's first character being "A" is POKEd into that address.

The address is actually stored in a location called an INDEX. The index location varies according to the size of the programme.

This is a RUN of it.

```

100 REM VARPTR DEMO 1
110 A$="SYDNEY"
140 X=VARPTR(A$)          READY
150 PRINT"INDEX TO A$ IS AT ";X      RUN
160 L=PEEK(X+1)+256*PEEK(X+2)      INDEX TO A$ IS AT 31603
170 PRINT"A$ IS LOCATED AT ";L      A$ IS LOCATED AT 31493
300 END                          COPY
    
```

So that you can see how both the address of "S" and the index address has changed by plus one, I have added a full stop after "1" on line 100.

```

100 REM VARPTR DEMO 1.
110 A$="SYDNEY"
140 X=VARPTR(A$)          READY
150 PRINT"INDEX TO A$ IS AT ";X      RUN
160 L=PEEK(X+1)+256*PEEK(X+2)      INDEX TO A$ IS AT 31604
170 PRINT"A$ IS LOCATED AT ";L      A$ IS LOCATED AT 31494
300 END                          COPY
    
```

Now we can POKE new characters in to make A\$ a new word. The ASCII values are READ from the DATA on line 280.

```

100 REM VARPTR DEMO 1.          READY
110 A$="ALBURY"                RUN
140 X=VARPTR(A$)                INDEX TO A$ IS AT 31673
150 PRINT"INDEX TO A$ IS AT ";X  A$ IS LOCATED AT 31494
160 L=PEEK(X+1)+256*PEEK(X+2)  SYDNEY
170 PRINT"A$ IS LOCATED AT ";L  AYDNEY
200 FOR I=LTOL+5                ALDNEY
210 PRINT A$                     ALBNEY
220 READ N:POKE I,N              ALBUEY
230 NEXT I:PRINT A$:PRINT        ALBURY
280 DATA 65,76,66,85,82,89     ALBURY
300 END                          COPY
    
```

D/TG42 AIR TRAFFIC CONTROLLER. \$20.00. VZ3-VZ4.

This game was previously sold by DSE. A very good Low Res. game which allows you to control the arrival and departure of various types of aircraft at a busy airport. Complete with instruction manual.

D/TG43. LEARJET. \$20.00. VZ3-VZ4.

Another game previously sold by DSE. It is a more complicated Low Res. game whereby you pilot a Learjet around Australia. Also complete with instruction manual.

DB46. QUICKWRITE. \$40.00. VZ3-VZ4.

This M/L unit is a WORDPROCESSOR for disc use only, as the data is (SAVED) automatically to disc after a number of lines have been typed. Back-up to tape is catered for. Many of the usual options are allowed. Paste, Cut, Find & Replace, Copy, Insert etc. Also various printer controls are selectable. An instruction manual is included.

DISKOPS1. \$10.00. VZ3.

This utility allows M/L programmers using the DSE. Editor Assembler, to save and load their source code to and from disc. Tape must still be used to save object code.

DU48. DISFOPS2. \$10.00. VZ4.

This is the same as DU47, but as these two units are NOT re-locatable, you must specify which you require, DU47 or DU48.

**** S O F T W A R E ****

The liftout VZ Computer Software Catalogue has been compiled to provide assistance to all Users in finding a commercially available program to suit their requirements. Details of any programs not listed here can be sent to the address shown on the list so updates can be affected. Over the years some of these programs have now been taken off the market and it would be a pity to see them disappear completely, So I suggest a central Library should be set up and with the assistance of Writers this could be built up so all future Users can receive the benefit. This is similar to what is available to other Brand Computer Users. Due to Copyright controls current programs could not be handled but Writers from the past who still hold copies of programs can still receive some benefit for their work as nominal charges for Taxes, Disks, Postage and recordings could be made. Due to lack of satisfactory SERVICE given to their Clients by some Distributors I, Along with a number of others have experienced, Any form of improvement in obtaining goods can only be for the better. Another problem has been the quality of reproduction of recordings, As some programs I bought took a lot of jusslins with different recorders before I could load them error free. We have a low cost but reliable Computer in our hands, so let's all get behind it with our support in both software and hardware.

Eddie Jones.

LE'VZ FORMATS.

To help me time-wise to make LE'VZ a better magazine, and yourself to get the most out of it, please read this page.

ALL PRICES are in Australian Dollars.

CURRENT ISSUE price is A\$2.00 which includes surface/air postage within Australia and Air Mail to New Zealand. If you require more than one copy at one time, extra money must be sent to cover postage.

LE'VZ IS (C) COPYRIGHT.

NEW MEMBERS must start by sending \$4.00 as I do not charge a yearly subscription. This makes it worth while entering your name, address and other data into our D'BASE. You then receive the current issue if it is in a certain time period between the main send LE'VZ runs. If that is close to the next issue, you will receive that and not the "old" current issue. New Members can send more than \$4.00, as long as it is in multiples of \$2.00.

Present OOPs have their \$ credit printed at the top of their name and address label if sent in the main run. If your credit is less than \$2.00., then a little reminder slip is included with the LE'VZ sent, stating that this is your last issue. Some folk have various money amounts left over from other software or hardware purchases put into their LE'VZ credit, and so odd \$ amounts do occur.

BACK ISSUES are from #8 to the current issue. The price is \$3.00 each. This includes surface/air postage within Australia and Air Mail to New Zealand. If you require more than two copies at one time, extra money must be sent to cover postage.

We usually have most Back Issues in stock. We send what we have and back order the others for you if required. If they are not sent within a couple of months, or with the next Current issue, please remind us.

GENERAL LIST refers to OOPs who want their name, address and data made available to other OOPs when asked for. You may like to contact OOPs in your state, or OOPs with VZ200s. Not all OOPs want their name and information made public, so if that applies to you, you must answer N (no). IF YOU DO NOT WANT YOUR INFO MADE PUBLIC, ANSWER N (no) ON THE DATA SHEET. IF YOU DO NOT ANSWER Y (yes) OR N (no) THEN YOU WILL AUTOMATICALLY BE PUT ON THE GENERAL LIST.

Remember, you may receive letters from OOPs months after you may have sold your VZ.

ANY COMMUNICATION to me that requires a written reply must be accompanied by a Self Addressed Stamped Envelope. Do not expect an immediate reply, as I may need to contact others to formulate an answer.

Always state your record number. That could be between A02 and A98, B01 and B98 or C01 and C45. I have about 240 financial and unfinancial folk to keep track of. From LE'VZ #15, your record number and \$ credit are printed at the top of your name and address label.

DO NOT TELEPHONE ME ON SUNDAY!!!

CIRCUIT, ROM and PROGRAMME LISTING PRINTOUTS can be sent to you at 20c per A4 page plus postage. Do not ask for the complete VZ ROM listing as it is very long and is about 15CM in thickness.

LETTERS TO THE EDITOR are welcome either as general comments, complaints or asking for help. As with contributors, please ensure that your typewriter or printer prints clear and DARK. In the new 35 character normal size print, IE. 90MM line length, right justified or wragged. If you have to write by hand, use a RED pen and write in the format just mentioned.

ADVERTISING is a free service to OOPs who are financial, using the above 35 character format. About 100 words or less.

CONTRIBUTIONS are very welcome. Please write your letter on a separate piece of paper to your contribution, which allows separate filing of material. You can send in programme listings in M/L or BASIC. Hardware modification or equipment drawings. Hints and any useful information. As above, use the new 35 character format except if it is a large circuit, drawing or photo. If it is a full page contribution reduce by photo copying so that there is a 20MM margin all the way around.

In fact I would like to receive more hardware contributions. Also photos of your equipment would interest others. There is a little problem here though as different photo copiers reproduce certain colours differently. We can but try.

BASIC PROGRAMME LISTINGS need special requirements.

Refer to #14 pages 2 and 3. This was sent by Scott Le Brun on paper as printed on his GP100. I then reduced it so that two pages could be printed on one page. His printer ribbon was a little light. Now refer to pages 4 and 5. Marco Ostini sent this on tape. I printed it in reduced mode while <LISTing> it. It is a slightly bigger print than Scott's and clearer. Also I ran the programme so it should be "bug" free, certainly no typing errors.

TAPE/DISC CONTRIBUTIONS are therefore the best way to send in this regard. Send in a padded post bag, and we will return it to you as soon as possible. We will pay the return postage. In this way the programme can be later issued as a PUBLIC DOMAIN programme. You must let me know if you will allow this to happen.

VPROGRAMMEZ-VHINTZ-VHARDWAREZ book. People have suggested that I print a second book. Please let me have permission in WRITING if you would like any of your contributions included in it.

Finally, I do not promise to print any or all contributions, this is at my discretion.

◆──────────────────◆

LE'VZ is printed every two to three months.

MINI EXPO REPORT.

This time I chose the Milton Primary School as the venue. It is about 11M. from here. The day was the 13th. of December 1986. I set up the furniture the day before, which was school "break up day". I arrived at about 7.30 AM. on the Saturday morning. I thank Mr. Phil Maude, Mr. Larry Taylor, Mr. Bob Kitch, and Mr. Eddie Tomes who with myself set up five main VZ systems, (yes five).

Additional equipment was supplied by Mr. Bob Jones, Mr. Peter Glanville and others.

I gave my opening talk commencing at 10.00 AM. Then I demonstrated various software, including our VSOFTWAREZ LE'VZ D'BASE. This was to give a brief showing of what happens when I send LE'VZ, printing the ODF name and address labels who have credit. Larry Taylor then gave a short talk/demo of his Printer Patch. From then on there were various talks and demonstrations in both rooms simultaneously.

Bob Kitch demonstrated a Kodak 240V/battery ink jet printer, talked about his VERBATUM book of information, machine/assembly language programming and his new hardware. Bob's son Bruce, talked about programming with the DSE. Sprite Generator. Eddie Tomes showed Bob Jones's big 98 LB. 132 character column printer in operation and his own much modified VZ. He showed his printer/plotter, a Tandy CGP-115 in operation. He also spoke about his software list which is mentioned on page 8.

Larry Taylor's Speech Synthesiser was running much of the day, as was our Demonstration-Advertisement-Disc and Jamie Perry's (DSE.) demo Disc.

The Light Pen system was given a showing also. I was not able to hear all talks and demos as I was selling our software, LE'VZs and generally talking to folk. There were plenty of information sheets available free of charge. Last but not least, I supplied tea and biscuits for whoever required it, and a lucky door prize.

Although about 40 folk passed through the door, only 14 wrote their name on the list at the entrance door. The prize which was a copy of the book, Learning TRS-80 Basic for Models I, II/16 and III was drawn out by Bruce Kitch. Believe it or not he drew his father's number. Mr. Bob Kitch #10 was the winner. I am sure Bob enjoyed his extra Christmas present.

The top photo shows Eddie Tomes talking about his software list. On his right is Bob Kitch "holding his heart". The bottom photo is of Larry Taylor giving his printer talk. On his left is our VZ setup.

Again I thank all who helped make it a wonderful day.

READER REQUEST.

Mr. James Crichton, of 34 Murringo St., YOUNG. NSW. 2594, would like to know who wrote the DSE. CHESS programme for the VZ. He would like access to the M/L source code with a view to implementing it on the SEGA computer which has excellent graphics capability.

ED.



DICK SMITH TAPES.

We have quite a few used programme tapes for sale at \$6.00 each. Postage NOT included.

```
100 REM TO PLACE AN X ANYWHERE ON THE LOW RES SCREEN
101 REMBY GUY THOMSON
102 REM VP=VERTICAL POSITION. HP=HORIZONTAL POSITION
104 CLS
105 INPUTVP:INPUTHP
110 PRINT@32*VP+HP,"X"
200 END
```

* * NEW LE'VZ FORMATS. * *

So that more information can be printed in LE'VZ, and to assist me, on page 9 is set out the new format rules and guidelines. I have been spending a fair amount of time copying material to darken a printed (LISTing), or reducing it to fit the page. Even so there have been a few parts of these that are not very clear. To the beginner programme typist, this can be very frustrating. Of course on the other hand it is in itself a teaching tool. Never-the-less I would like the (LISTings) to be easy to read. I don't want them as small as the sub-minute Australian Personal Computer (LISTings) either. Also, not every one possesses a magnifying glass. On the other hand it is a waste of paper to print them in normal size.

PLEASE help me!!!

* * COVER COMPETITION. * *

I am holding a competition that all OOPs can enter. The prize is \$10.00.

I need a new front/cover page for LE'VZ for #16 onwards. It is for the same A4 size of paper that I currently use. Entries to be on white paper. The front page is usually coloured. In the past yellow, pink, blue, green and buff.

The name, LE'VZ 200/300 OOPs must be prominent on the top half of the page. You can use graphics, Letraset, printer etc. A light background of programme (LISTings), drawings or original photos of VZ equipment, (NOT DSE. photos) is acceptable.

Use your imagination.

I may not use any entry, so there would be no payout. I may use two separate entries combined, so there would be \$5.00. paid to each entrant.

Remember, I hope to use the new cover on #16 issue around June.

THE COMPETITION CLOSSES ON APRIL THE 24th. 1987, RECEIVED BY US.

COMING SOON .. SOON .. SOON.

- Disc utility to read any track.
- EPROM exchange for the DSE. RS232 Terminal which allows a printer to operate, plus extra key operations.
- More EXTENDED BASIC programming.
- More short BASIC programmes.
- Tape units of the Public Domain Disc units, DPD1 and DPD2.
- A software utility to save source code of the DSE. Editor Assembler to Disc.
- A software utility to save text data of the DSE. tape Word Processor to Disc.
- A competition.
- A Compiler in BASIC.
- Bob Kitch's video article.
- Etc etc etc....



This photo was sent by Graeme Bywater of the WAVZ club in Perth. It was taken during their display in the Morley Mall.

HARDWARE AND FIRMWARE FOR SALE.

VSOFTWAREZ, 39 Agnes St., TOONONG. QLD. 4066.
AUSTRALIA. 'phone (07) 371 3707.

Unlike our software prices, these prices do NOT include postage. Always include extra money and we will send you back any surplus money in the parcel or credit it for future LE'VZs, if you are an OOP. Prices in Australian dollars at 1st. of Feb. 1987. Items available while stocks last. NO warranty on USED items.

VZ data recorder	used	\$ 45.00.
GP100 printer ribbons	new	\$ 22.00 for two.
These are not the exact type, but a few minutes fiddle.		
VZ200 rubber membrane keys	new	\$ 18.00 each.
VZ300 rubber membrane keys	new	\$ 18.00 each.
C10 blank tapes	new	\$ 6.50 for five.
C20 blank tapes	new	\$ 7.00 for five.
Floppy discs DDSS	new	\$ 22.00 per pack of ten.
VZ300 & p/pack & manual	used	\$ 65.00.

BOOKS.

VprogrammeZ-VZ-VZ	new	\$ 18.50 each [postage included]
Learning TRS-80 BASIC-I, II/16	new	\$ 10.00 each.
BASIC Easier and Faster TRS80	new	\$ 10.00 each.

PUBLIC DOMAIN SOFTWARE.

In the previous LE'VZ I released two Discs at \$15.00 each. The DIRectory printout of DPD1 should not have included the last six programmes on it. Both DIRectories are printed here.

Our Demonstration-Advertisement-Disc is also for sale at \$10.00, or ask nicely at most DSE. stores for them to make a free copy for you. I suggest you supply a blank disc.

Can you spell "Blind Pig"?
Sure- B L I N D P I G

No it's B L N D P G If it had two eyes it wouldn't be blind!

=====
PUBLIC D DPD1.
=====

T:MENU 01 00 7AE9 7DF2 0309
T:BARGRAPH 01 07 7AE9 7C9B 01B2
B:^PO 01 0B 7000 7801 0801
T:MINE 02 0C 7AE9 91A4 16BB
T:NAME 05 0B 7AE9 7DBF 02D6
T:^GO 06 01 7AE9 8D49 1260
T:OTHELLO 08 07 7AE9 780E 0025
T:WORDS 08 08 7AE9 8943 0E5A
T:GRAPH 0A 06 7AE9 888A 10A1
T:SKETCH 0C 08 7AE9 80B2 05C9
T:METEOR 0D 04 7AE9 7FC0 04D7
T:ANIMAL 0D 0E 7AE9 8278 078F
T:PENCIL 0E 0E 7AE9 8CC0 11D7
T:INVENTORY 11 03 7AE9 891B 0E32

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336 RECORDS 42.0K BYTES FREE
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PUBLIC D DPD2.
=====

T:CIRCLE 01 00 7AE9 7B4F 0066
T:TRIANGLE 01 01 7AE9 7863 007A
T:SPIRAL 01 02 7AE9 7B4E 0065
T:LOOPS 01 04 7AE9 7B49 0060
T:STAR 01 05 7AE9 7B4F 006A
T:KNOTS 01 06 7AE9 7B59 0070
T:FLOWER 01 07 7AE9 7B49 0060
T:GUILLOTIN 01 03 7AE9 7DFB 0312
T:RACES 01 0D 7AE9 80F6 060D
T:ROADER 02 0A 7AE9 8079 0590
T:U.F.D. 03 06 7AE9 7E90 0397

T:LANDER 05 0D 7AE9 83F5 0900
T:HELICPTR 03 0D 7AE9 83B2 08C9
T:SYMMETRY 04 0F 7AE9 7C11 0128
T:BOUNCE 07 02 7AE9 7CAD 01C4
T:PIZZA 07 05 7AE9 83EE 0905
T:SUBMRINE 08 08 7AE9 86B6 08CD
T:MORSE 1 09 0D 7AE9 83F0 0907
T:CALENDAR 08 05 7AE9 8466 097D
T:BIRTHDAY 0C 09 7AE9 82E9 0800

=====
422 RECORDS 52.750K BYTES FREE
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INFORMATION CONTACTS.

Here are three other folk who you can contact. Always include a SASE. if you require a written reply. Please use good judgement if you telephone, perhaps not on Sundays. Check with the person concerned.

Graphics, M/L, printer info, educational.
Mr.Larry Taylor, 4 Columbia Court, SPRINGWOOD. QLD.
4127. 'phone (07)208 1258.

M/L, hardware, BASIC programming and his special list of all types of info.
Mr.Bob Kitch, 7 Eureka St., KENMORE. QLD. 4069.
'phone (07)378 3745.

Software list.
Mr.Eddie Tomes, 3 Kilkenny St., CAPALABA. QLD. 4157.
'phone (07)390 2797.

PLEASE REMEMBER.

In any communication with us, please indicate YOUR OOPs RECORD NUMBER, if you know it. As mentioned on page 9, it should be printed on the top of your name and address label of the LE'VZ sent. It assists me greatly to have this number. Many thanks. J.D.

//// NEW BRISBANE CLUB. \\\

Mr.Bob Jones has arranged the first meeting to form a group. The meeting or workshop will be held at 1.00 PM. Saturday the 7th. of March 1987 at the Capalaba State High School, School Rd., off Mt. Cotton Rd. Queensland.

CUT

***** DATA SHEET *****

Surname..... Mr, Mrs, Miss and Christian name.....
Address.....Post Code
Telephone number. ()..... Onto General List Yes/No.....
Computer. VZ200 and/or VZ300.....Any other computer.....
Printer and/or plotter.....Disc system Yes/No.....
RAM Expansion.....K. Tape recorder. VZ DTR or other.....
RS232 terminal..... Yes/No.....Modem Yes/No..... Brand.....
Interest. Business, games, M/L, BASIC, hardware, etc.....

I request all OOPs (Oners-Operators-Programmers) to complete, cut out and send back to me. As mentioned elsewhere in this LE'VZ, this is useful for OOPs who may like to contact other OOPs who live in their vicinity, etc. Answer N (No) if you do not wish your name put on this General List. If the answer is Y (Yes) or not answered at all, you will be put on the General List.