SPECTRAVIDEO

AUSTRALASIAN USERS GROUP

SV-318 / SV-328

News Letter

ISSUE No.		DATE
2 - 4		JAN - 1985

ANNUAL SUBSCRIPTION	
AUSTRALIA	$15.00
OVERSEAS	$20.00
OVERSEAS AIRMAIL ..	$25.50

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AUSTRALASIAN USERS GROUP

INTRODUCTION
By the Ed.

First let me welcome you all to the New Year, I hope 1985 will be a good year for you all.

As Christmas and New Year fade away again for another year it's time to get back to some serious computing.

To start off on a dim note : THE STOCK OF NEWSLETER ARTICLES IS AT AN ALL TINE LOW. Next months newsletter should dry it up completely. We are a large Users Group with around 350 members and we are growing quickly. So were have all the articles gone? We need your support.

This months Newsletter is a good example of the type of articles we are looking for.

TERROR

> is a bit of fun and is an idea generating article that the user can build on.

CAR RACING

> This is a program in which you drive a 'CAR' through a snaking course as the scren scrolls past you. Again this is a building block for you to build from and learn.

NO COLOUR

> Here is an article by a user which shows a Hardware problem and it's cure.

AUTO LINE NUMBER FOR "INPUT"
> This article springs from a previous article.

CONVERTING 16K TO 64K RAM.
> A good article for you 318 owners.

DOUBLE SIDED DISK DRIVES

> Once in a while some one comes up with a real winner. Well here is one. I have been using these drives now for some months and I find them the best. They are very reliable and the BIOS is a joy to use.

LIBRARY NOTES
> They explain themselves.

BIRD

> I liked the display so I included this short program.

Thats all from me folks, but please remember. WE WANT ARTICLES. Just one article from each member would fill the Newsletter for the next 3 years.

TERROR
by B. Windsor

This little routine is ideal for discouraging your kids from pressing CONTROL-STOP so that they can modify your precious programs. Try it, placing your program where line 30 is in the listing. Alter the numbers of lines 100 to 140 as necessary and, of course, the GOSUB number in line 10.

If CONTROL-STOP is pressed while the program is running, the screen shows an "Ok" message which looks like the Basic Ok prompt. After a short pause, there is a message "Erasing the following files", followed by a list of all the files on the disk in use. The disk drive then operates, and the system re-boots.

The effect on 11-year-old boys has to be seen to be believed...

Unfortunately, it cannot prevent people from LOADing the program and then altering it. The only answer to that problem is to keep a back-up copy in a safe place. Where the kids can't find it.

TERROR
by : B. Windsor

```
DM    10 'TERROR
ED    20 'by Brian Windsor for Spectravideo SV-328
CK    30 '
DE    40 ON STOP GOSUB 70
AE    50 STOP ON
IA    60 GOTO 60: REM your program goes here
DI    70 PRINT "Ok'
BO    80 FOR L=1 TO 500:NEXT
CI    90 PRINT"Erasing the following files:"
CG   100 FILES
AK   110 DEF USR0=0:X=USR0(0)
END
```

MENU PROGRAM <DEC 84>
additions by the ED.

In the "we goofed it" department last month, we goofed it. Well I can't help it I'm only human. Although I do own a computer, I do on the rare occasions make a mistake. And I do not appreciate members being rude about it.

For all you members who don't know what I'm talking about I'll explain. In last months newsletter we had an article which gave a program that produced a MENU of a BASIC disk.

Well somewhere along the line I succeeded in losing the last 22 lines of the program.

Following you will find the missing lines. I'm very sorry about the slight inconvenience but such things do happen.

Also I'm told that this program will not load and run binary files. Thank you very much to Steve McNamee who kindly sent me a modified version so below also you will find a patch which checks for binary files and loads them correctly.

MODIFY EXISTING SECTION AS SHOWN

```
ID   4710 PRINT"Make selection by pressing key or":PRINT"Press <ESC> to retur
          n to menu.";
EE   4720 A$=INKEY$:IFA$=""THEN4720
AK   4725 IFA$=CHR$(27)THEN100
CP   4730 DC=ASC(A$):IFDC>57THEND1=DC-55ELSED1=DC-48
FI   4740 IFD1=>DTHEN4720
AE   4750 IFDV=1THEND1$="1:"+D$(D1)ELSED1$="2:"+D$(D1)
AM   4770 IFDA(D1)=192THENPOKE-456,0:SCREEN,1:RUND1$
CD   4780 IFDA(D1)=1THENPOKE-456,0:SCREEN,I:BLOADD1$,R
DG   4790 BEEP:GOTO4720
CG   5000 GOTO100:INPUTA$
EH   5010 GOTO100:A$="10"+A$
```

MISSING SECTION FOLLOWS

```
BL   8719  DATA 67,83,65,86,69,34,0,0,0,0,0,0,0,0,0:'KEY10
FL   9000  CLS:N=1
II   9005  CLS:PRINTTAB(10)CHR$(27)+"p"+" KEY MENU No.";N;" "+CHR$(27)+"q"
GK   9010  PRINT:PRINT
AL   9020  PRINTTAB(5)'KEY No. "TAB(20)"DEFENITION":PRINT
GC   9100  FORL=1TO10:PRINTTAB(8)LTAB(18)K$(N-1,L):NEXTL
NB   9150  LOCATE0,18:PRINT"Press space bar to see next key menu,":PRINT"press
           <Enter> to select menu displayed":PRINT"and press <Esc> to return
           to main menu."
EE   9200  A$=INKEY$:IFA$=""THEN9200
AE   9210  IFA$=CHR$(27)THEN100
DF   9220  IFA$=CHR$(13)THEN9500
AK   9230  IFA$=" "THENN=N+1ELSEGOTO9200
DN   9240  IFN>3THENN=1:GOTO9005ELSEGOTO9005
FC   9500  ONNGOTO9510,9600,9700
CO   9510  RESTORE8510:FORM=0TO9:FORL=0TO14
DH   9520  READCH:POKE64030!+M*16+L,CH:NEXTL,M:BEEP:GOTO100
CN   9600  RESTORE8610:FORM=0TO9:FORL=0TO14
DF   9610  READCH:POKE64030!+M*16+L,CH:NEXTL,M:BEEP:GOTO100
CN   9700  RESTORE8710:FORM=0TO9:FORL=0TO14
DE   9710  READCH:POKE64030!+M*16+L,CH:NEXTL,M:BEEP:GOTO100
BM  10000  DATA RUN <ENTER>,LIST,LOCATE,PRINT",PRINT,LOAD"1,SAVE"1,"COLOR12,1
           <ENTER>","SCREEN0,1 <ENTER>',GOTO
AD  10010  DATA COLOR,AUTO,GOTO,LIST,RUN <ENTER>,"COLOR15,4,4 <ENTER>",CLOAD,C
           ONT,LIST. <ENTER>,"CLS:RUN <ENTER>'
AL  10020  DATA LOAD"1,LIST,FILES <ENTER>,PRINT,RUN <ENTER>,SAVE"1,"COLOR12,1
           <ENTER>",SCREEN,GOTO,CSAVE"
END
```


'Where's this Office Automation going to end?'

CAR RACING

*by : J. May.*

```
EB    10 CLS:COLOR15,1,1:SCREEN1,1:GOSUB450
EN    20 LOCATE,0:CLICKOFF
FJ    30 KEY1,"LOCATE,,1"+CHR$(13)
BK    40 DATA"█          █"
IM    50 DATA"█          ██"
IL    60 DATA"█0●0000●0██"
DP    70 DATA"██          ██"
IJ    80 DATA"██      ███"
II    90 DATA"██       █"
MC   100 DATA"█    █    █
HC   110 DX=0:DATA"█     █    █"
EG   120 PRINTCHR$(27)+"P"
FL   130 T$(8)="█    █      █":T$(9)="█        █   █"
CL   140 CLS:SCREEN0,0
EJ   150 RESTORE:FORT=1TO7:READT$(T):NEXTT
BH   160 COLOR1,15
BE   170 LOCATE,,0
AH   180 LOCATE15,24:PRINT"██ START ██":FORT=1TO25:PRINTTAB(15);"██        ██
         ":VPOKE100,225:NEXTT
DG   190 'PRINTCHR$(27)+"p"
BK   200 X=100
BP   210 S=15
BL   220 W=1
AN   230 FORT=1TO6
FE   240 S=S+D
GE   250 IFS<1ORS>25THEND=-D:S=S+D
GC   260 PRINTSTRING$(S,"█");
AP   270 IFW<>6THENQQ=WELSEIFINT(RND(-TIME)*5)-1THENQQ=8ELSEIFINT(RND(-TIME)
         *5)=1THENQQ=9ELSEQQ=6
AF   280 PRINTTAB(S);T$(QQ);
GI   290 PRINTSTRING$(39-(S+11),"█");
JB   300 IFW=2ANDSC=3ANDJ=0THENLOCATE5,21:PRINTCHR$(27)+"p";:PRINT"by Jonath
         an May";:PRINTCHR$(27)+"q":J=100
AF   310 IFSTICK(0)=3THENDX=1
DH   320 IFSTICK(0)=7THENDX=-1
AG   330 IFSTICK(0)=5THENDX=0
AF   340 X=X+DX
GK   350 IFVPEEK(X)=233THENGOTO420
DP   360 VPOKEX,225
DF   370 NEXTT
DI   380 D=INT(RND(-TIME)*3)-1
EI   390 SC=SC+1:IFSC=10THENSC=0:D=0:W=W+1
BC   400 IFW=8THENGOTO520
AH   410 GOTO230
ED   420 SOUND6,155:SOUND7,7:SOUND8,16:SOUND9,18:SOUND10,16:SOUND12,36:SOUND
         13,0
FL   430 FORT=1TO30:FORTT=1TO14:COLOR,TT:NEXTTT,T
BM   440 CLEAR:GOTO40
BK   450 FORX=2TO15:LOCATE130,184:COLORX
AP   460 DRAW"c=x;bm96,32m96,16m104,16m104,32bm104,24m96,24bm112,16m112,32m1
         20,32m120,16bm128,16m136,16bm132,32m132,16bm144,16m152,16m152,32m14
         4,32m144,16"
```

```
NH    470   DRAW"bm60,48m60,72m68,72m68,64m72,72m80,72m74,60m80,60m80,48m60,48b
            m68,52m73,52m73,56m68,56m68,52"
FD    480   DRAW"bm132,48m132,56m120,56m120,64m132,64m132,72m112,72m112,48m132,
            48bm104,48m104,72m98,72m98,64m74,64m74,72m88,72m88,48m104,48"
MK    490   DRAW"bm94,54m98,54m98,60m94,60m94,54bm170,54m174,54m174,60m170,60m1
            70,54"
GJ    500   DRAW"bm140,48m140,72m156,72m156,66m146,66m146,64m152,64m152,58m146,
            58m146,56m154,56m154,48m140,48bm164,48m178,48m178,64m184,72m176,72m
            170,64m170,72m164,72m164,48m178,48"
CP    510   IFINKEY$=" "THENRETURNELSENEXTX:GOTO450
EH    520   X=40+S:FORT=0TO13:SOUNDT,0:NEXTT:FORT=1TO30:VPOKEX,225:PRINTTAB(S);
            "█             █":PRINTTAB(S);"█ FINISH █":FORT=1TO20:VPOKEX,225:PRINT
            TAB(S);"█             █":NEXT
GF    530   FORG=1TO5:SOUND9,10:SOUND8,10:FORT=5TO200STEP3:SOUND2,T:SOUND1,T-2:
            SOUND0,T+2:NEXTT
GN    540   FORT=200TO5STEP-3:SOUND0,T:SOUND1,T-2:SOUND2,T+2:NEXTT:SOUND8,0:SOU
            ND9,0:NEXTG
CI    550   IFSTRIG(0)=-1THENRUNELSEGOTO550
AD    560   GOTO560
      END
```
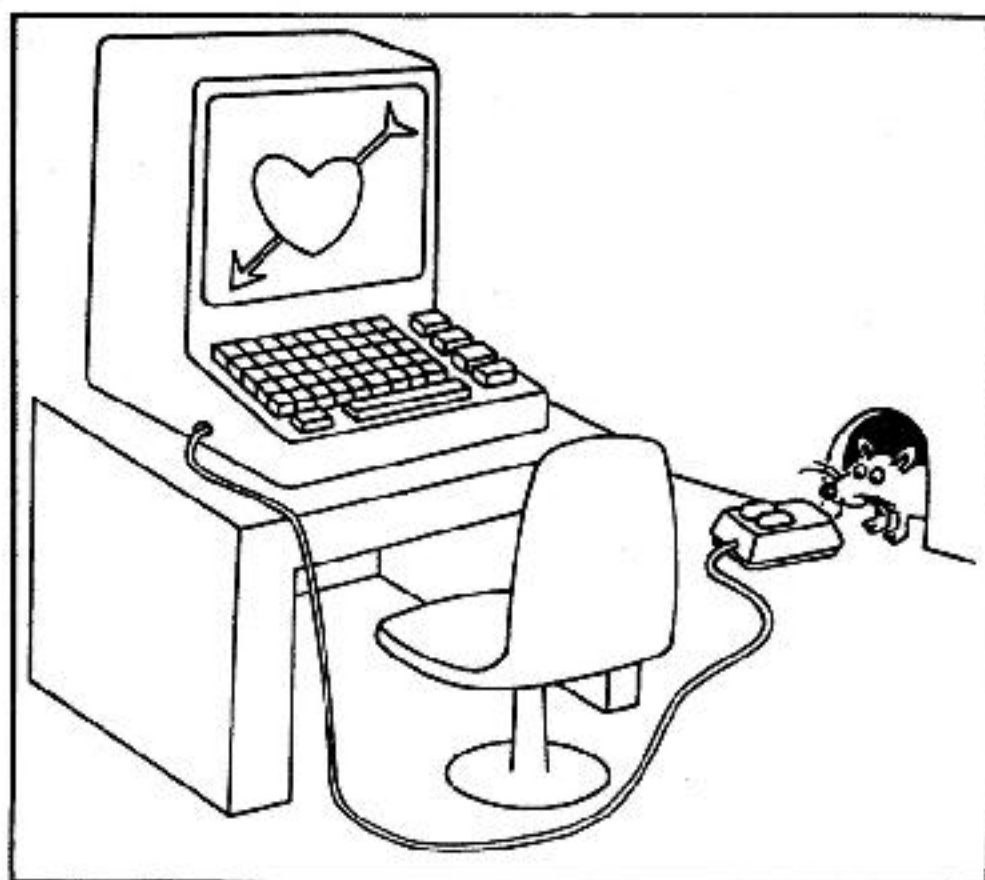
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NO COLOUR???
By M.J. Tyeson.

Here's a good one for you all, after using my Computer for a few minutes I noticed that all the colour began to drain from the monitor. I then began to wonder what was going on, was it the monitor or was it the computer. I began to investigate as all good Technicians do.

The first thing I did was to switch the monitor back to a normal Television Set tuned to a normal station and you guessed it, the pictures were in colour. So the next thing to do was to check out the Modulator in the computer. I did and the picture was in living Black and White. This didn't do me any good so I thought that the next thing to do was to get into the computer and see what the stupid thing was doing to me.

I successfully took the lid off and had an initial look around to see if there was anything closely resembling the original Blue Smoke and Mushroom Cloud. Nothing. Well I then began to check the Circuit Diagrams and Service Manual as to what voltages feed the Modulator. That was easy, there was only one, +5V, which also feeds the Video Procesing Circuitry and the PAL Encoder and the VRAM. Well I thought if the Video Processing Circuitry was playing up it may produce monochrome pictures or if the Pal Encoder was playing up it would certainly give monochrome pictures or if the Modulator was faulty then the same would happen. The thing that turned me away from the Modulator was the fact that there was no colour coming out of the Modulator or out of the Video Output.

I then put tongue in cheek and started to poke around the board with a CRO. All the video waveforms had low amplitude subcarrier superimposed on the luminance but when I turned the computer off for a period of time and turned it back on there was sufficient level to be decoded as colour.

Anyway to cut a long story shortish the problem turned out to be a 'tired' +5V regulator. Over the period of time that I've had the computer and the number of times I've used it the regulator has heated up and the output had dropped down to +4.86V. The replacement cost me about $4.00 plus an extra $2.00 for extra Heatsinking to dissipate the heat generated by it. A better fix is to relocate the power supply outside the computer and make it a Switched Mode Supply but that would cost about $50.00 but it can supply in excess of about 15A.

Oh by the way the regulator in question is a National 7805K Steel. You have to specify the K Steel as that is the package type.

The time taken to extract the old regulator, replace it with the new one and fit all the new Heatsinking takes about 1 Hour and as I said would only cost about $6.00 to $8.00 depending on where you get the parts from.

AUTO LINE NUMBERS FOR "INPUT"
By R. Duffy,

Congratulations on your program 'INPUT'. It really works well and should be a boon to people like myself who use the "Biblical" method of typing (Seek and ye shall find!). I haven't been able to fault it yet, but then I havent really tried!

There is, however, one facility I miss with the program and that is the AUTO Line Numbering Function. To rectify that situation, I have written the following additional lines which provide a "semi" auto line numbering system. Key in the lines and then re-number as you please.

NOTE - Line Nos. 80 and 320 of the original program are modified.

```
 80 SCREEN,1
122 INPUT "Starting Line No";LN
124 INPUT "Line Increment";J
126 GOSUB 500
195 LN=LN+J: GOSUB 500
320 BEEP:LN=LN-J:GOSUB500
500 KEY 2," "+STR$(LN)+" "
510 RETURN
```

To use the program, after entering the starting line No. and the increment, first type the checksum characters the press Soft-Key No. 2. The first Line No. will be printed. then type in the rest of the line and press ENTER. If the line is accepted by the program then KEY 2 will be incremented to the next line No. ELSE it will remain the same No. until the line is accepted.

Pressing ENTER without typing a line of code will increment KEY 2.

The next line No. to be printed will always be visable on the KEY 2 enunciator (in place of "auto").

A Full ROM
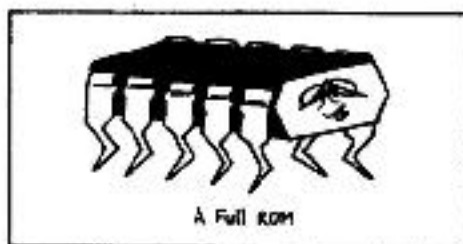
CONVERTING 16K RAM TO 64K RAM
By T. Colverd.

Here are details of the 64K conversion to the SV 318. It sounds complicated when written down but is quite simple really. The cost of parts is approx $70-$75 and takes about 1 hour to complete.

I haven't included details of Dis-assembling the computer but assume familiarity.

If you have any queries I'll be happy to help or if you don't want to attempt it I'll do it for $95.

```
Contact :  Tim Colverd,
           27 Jennings Road,
           Bayswater,
           VIC.    3153.
Phone :  H 03-729-7383
         W 03-862-2888
```

----

1) Desolder IC1 to IC8 Part No: 4116
   IC9 to IC16 is Video RAM. (Dont Touch)

2) Replace with Type 4164(TMM not TMS) or 6555

   a Pin 8 on 4116 was the 12v supply, but
      on the 4164 it needs to be 5 volt, so
      at a convenient spot cut the 12v supply
      rail to the Pin 8's and reconnect Pin 8
      to a 5 volt rail.

   b Pin 9 on 4116 was 5 volts but on 4164
      needs to go to IC17 Pin 12, so cut
      track from 5 volt suppy and put in a
      link to IC17 Pin 12.

3) Link Pin's 4 to 5 on IC27.

4) Cut track from Pin 5 of IC27 (which
   used to go to IC47 Pin 8).

5) Finally link IC27 Pin 9 to IC24 Pin 9.

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Double Sided Disk Drives

3 2 4 k

Double sided 40 track disk drives are now available for use with super expander SV 601 and disk controller SV 801.

The drives come complete with modified CP/M BIOS to allow reading and writing of 3 different formats

1. Custom double sided format
2. Spectravideo single sided format
3. New Spectravideo double sided format

BASIC disks can still be used but only as normal single sided disks.

Under the CP/M operating system each drive has a massive formatted capacity of 324k .

The drives need a small modification to the disk controller card and instructions for doing this are included. Alternatively the card may be sent with your order and the modification will be done free of charge.

Standard Spectravideo disk drives will still work with the modified controller card.

The disk drives come with the manufacturers guarantee and all other work is guaranteed for three (3) months from date of dispatch.

```
Prices:  1 Drive  - $450.00
         2 Drives - $850.00    Including Post and Pack.
```

To order send cheque or money order with your CP/M master disk (to avoid infringing copyright) and disk controller card (if you want the modification done) to:

Further Details Phone

S.W. McNamee
5/15 Stuckey Rd.,   07-2609960
Clayfield 4011.

During Working Hours.

Members who own the new SPECTRAVIDEO Expander and Double Sided Disk Drives are also invited to enquire about a modified CP/M BIOS for them. Cost is $25.

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LIBRARY NOTES
by Jim Collins.

Because of the high number of orders received for software which have not included payment for cassette or disk the Editor and myself have decided to republish these notes rather than the intended library article. An updated software price list is also included with this newsletter. Please read carefully and save yourself inconvenience. A point worth mentioning is the program Mysterious Manor. Despite having warned several times in past issues that this program could not be supplied on disk I have had five orders in the past two weeks all requesting M/Manor on DISK.

IMPORTANT NOTE ----- WE DO NOT PAY THE COST OF CASSETTE OR DISK ON ANY PROGRAM SUPPLIED THROUGH THE LIBRARY EXCEPT FOR THE OFFER ON PREVIOUS NEWSLETTER PROGRAMS. ALL OTHER MEDIA COSTS MUST BE MET BY MEMBERS.

First service we offer is the cassette or disk with all those programs which appeared in newsletters from No 1 through to No 12. There are some fourteen programs on offer here and although we used to charge only for the cassette and supply the programs free we now find that increasing costs force us to charge $10.00 for this service. At that it is still very good value as I'm sure you will agree. We will of course still supply any single program which has appeared in any newsletter if you are having difficulty entering it from the newsletter itself. Only charge made here will be for the media.....cassette $4.00 or disk $6.00...we will pay postage one way on this service but of course will not object if you want to pay this yourself.

Second service is the answering of any technical queries wherever this is possible and here we definitely would appreciate a reply paid envelope as this can become quite a drain on the slender resources of the group finances.

Third service is the Group Author Software List wherein we will advertise for sale any suitable program submitted by any financial group member at the price asked for by that member plus nominal amount to cover cost of copying, care-packing, and postage to the purchaser. I would point out here that in order to keep the costs of administrating this service to the lowest possible, royalties due to successful authors will be remitted whenever sales amount to more than $50.00 for any particular program. To do this any other way would involve your editor and myself in a much greater work load but more importantly would be a huge financial drain we just can not justify. In this issue you will find an updated list of all those programs currently accepted for publication. Please note that only the programs on this list are now available and all previous lists are cancelled. No correspondence will be entered into on the matter of programs previously listed which now do not appear.

Fourth service is as a clearing house for any item of

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hardware/software any member may have which he/she no longer wants. We will print details of the item in the newsletter in order that all members may see and make an offer etc. Same applies if you want something in particular. We will run your want ad in the newsletter. No charge is made for this service.

REMEMBER TO INCLUDE COST OF CASSETTE $4.00 OR COST OF DISK $6.00 WITH ANY ORDER FOR LIBRARY PROGRAMS....OR SEND YOUR OWN CASSETTE OR DISK WHEN YOU PLACE YOUR ORDER.

IF YOU WANT PROGRAMS OR OTHER LIBRARY SERVICES YOU WILL GET A SPEEDIER REPLY IF LETTERS ARE ADDRESSED DIRECT TO THE LIBRARY AT THE PUBLISHED ADDRESS. CHEQUES OR MONEY ORDERS MUST BE MADE PAYABLE TO THE S.A.U.G. AND NOT TO ANY INDIVIDUAL.

BIRD
by : ??? (C/O Wellington Users Group)

```
GD    10 COLOR15,4,4:SCREEN1
IK    20 DRAW"c15bm105,39m119,50m120,59m122,76m118,93m110,108m107,122m110,12
         1m113,123m114,124m124,131m114,131m104,136m96,139m88,139m80,139m72,1
         37m67,136m62,137m56,142m48,139m40,137m32,136m28,136m83,125m95,93"
DA    30 DRAW"c15bm95,93m99,92m100,91m101,90m100,89m99,88m97,87m102,80m106,7
         2m110,62m111,57m110,53m111,52m110,51m108,45m105,39"
JG    40 DRAW"c15bm25,81m25,83m28,96m30,104m33,112m36,120m38,122m45,120m51,1
         23m60,127m81,124m82,121m58,105m52,107m35,95m25,81"
DI    50 PAINT(48,112),15:PAINT(56,141),15
AH    60 CIRCLE(145,86),86,15
AE    70 CIRCLE(145,86),82,15
HM    80 PAINT(145,1),15
AP    90 GOTO90
END
```

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GROUP AUTHOR SOFTWARE – LIBRARY PROGRAM LIST

ASKING PRICE	MEDIA SUPPLIED BY LIBRARY		MEDIA SUPPLIED BY YOU	
(Including Pack and Postage)	CASSETTE	DISK	CASSETTE	DISK

3.D. MAZE (Maze Skill)				
5..00	9..00	11..00	5..00	5..00
ADHEX.COM (CP/M Search and Find Utility)				
10..00		16..00		10..00
ADVENT.COM (CP/M The Original Adventure) full disk				
2..00	NO	8..00	NO	2..00
ALGOLM.COM (CP/M Language) full disk				
2..00	NO	8..00	NO	2..00
BURGER (Arcade Skill)				
5..00	9..00	11..00	5..00	5..00
CALEND.ARS (Calendar Generator)				
3..00	7..00	9..00	3..00	3..00
COUNT DRACULAR (Text Adventure)				
10..00	14..00	NO	10..00	NO
CRUNCH (Program Squeezer)				
10..00	14..00	16..00	10..00	10..00
DISASSEMBLER (Utility)				
2..00	6..00	8..00	2..00	2..00
DISK.CON (CP/M Directory Manager)				
10..00	NO	16..00	NO	10..00
FILES (File Manager)				
5..00	9..00	11..00	5..00	5..00
ELIZA (Medical Madness ?)				
7..00	11..00	13..00	7..00	7..00
HOUSE/FRANKENSTEIN (Text Adventure)				
5..00	9..00	11..00	5..00	5..00
JUMBLE (Spelling Skill)				
5..00	9..00	11..00	5..00	5..00

MARVYN   (Intelligent "eliza")
   7..00   NO   13..00   NO   7..00

MFT.COM   (CP/M Mass File Transfer for Single Disk Owners)
   2..00   NO   8..00   NO   2..00

MIGHTY MORMAR   (Text Adventure)
   5..00   9..00   11..00   5..00   5..00

MURDER AT THE MANOR (Graphic and Text Board Type Game)
   10..00   14..00   16..00   10..00   10..00

MYSTERIOUS MANOR (Text Adventure)
   5..00   9..00   NO   5..00   NO

PACMAN   (Chomp Chomp!)
   10..00   14..00   16..00   10..00   10..00

RUBIKS CUBE   (Solve the Cube)
   5..00   9..00   11..00   5..00   5..00

SPIDER ISLAND   (Arcade Skill)
   5..00   9..00   11..00   5..00   5..00

TRON RIDER   (Arcade Skill)
   5..00   9..00   11..00   5..00   5..00

UNERA.COM   (CP/M Restore Erased Files)
   10..00   NO   16..00   NO   10..00

WP / 318   (Simple Wordprocessor)
   3..00   7..00   9..00   3..00   3..00

WP /328   (Simple Wordprocessor)
   3..00   7..00   9..00   3..00   3..00

X-BERT   (Arcade Skill)
   10..00   14..00   16..00   10..00   10..00

XDIR.COM   (CP/M Sorted Directory)
   2..00   NO   8..00   NO   2..00

ZCPR.COM   (CP/M Replacement for CCP) full disk
   2..00   NO   8..00   NO   2..00

MODEM7.COM   (CP/M Modem Software) full disk
   2..00   NO   8..00   NO   2..00

IMPORTANT NOTICE ....

MYSTERIOUS MANOR and COUNT DRACULAR ARE BOTH TOO LONG TO FIT INTO
DISK BASIC.......THEY WILL NOT LOAD INTO UNEXPANDED 318 s....THEY
WILL ONLY BE SUPPLIED ON CASSETTE.   IT IS NOT PHYSICALLY POSSIBLE
TO PUT THEM ON DISK.

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buy   sell   or   trade

```
            WANTED

    An SV806 (80 Column Card)

The  card  must be in  working
order.

Please contact:

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