VOICE OF THE '80

December 1982

Guidelines For Authors

By

John Krause

This is just a short reminder for those of you thinking of submitting an article or program for publication in the Voice of the Eighty. As publisher of the Voice, and most recently the AMFAIR Journal, I have run into several minor problems which have made my job a little more difficult. Needless to say, these same problems also make life a little harder on our esteemed editor, Alan Abrahamson, as well. Here I hope to give all of you budding authors a few do's and don'ts to help make the publication of our fine newsletter a bit easier.

* When possible, submit your work to Alan in both HARD COPY form as well as in machine-readable form. If you have word processing software, write your article with it, and give Alan a disk with the copy (that's publishing talk for articles) on it. If you don't have a word processor, we might be able to loan you one. Don't forget, the disc version of SCRIPSIT can also read in data from tape for those of you still on tape.

For Programs, save them in ASCII format, and then submit the diskette to Alan. Don't worry, Alan is VERY good at returning diskettes, so you will not be giving away your discs. Again, if you still are using cassettes, CSAVE the program on a blank tape, and give Alan the tape. He can CLOAD it in, and then save it to disc in ASCII. Alan probably has every Word Processor going for the MODEL-I, so compatibility is no problem.

* PLEASE, don't submit your article in paste-up form. If there is no way you can manage to get the article to Alan on disc, please just give him a good print-out on non-lined paper. Let Alan do the paste-up. He has lots of experience at it, and I guarantee you will be pleased with the result. Scotch tape will show up on the copies 99 times out of 1ØØ, so please, PLEASE no scotch tape.

* PLEASE, PLEASE, no pencil. Pencil WILL NOT copy properly. I had to totally re-type an article for the AMFAIR Journal, which Alan was kind enough to print, because someones $1ØØ ad looked like garbage done in pencil. If you have to resort to hand writing your article, give Alan or myself a call. If the article looks good, we will be only too happy to print it for you.

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The Game Room

J	A	P	O	U	I	O	L	F	Q	O	W	Z	M
F	N	X	Z	C	X	J	N	H	Y	X	I	H	Q
T	W	Z	Y	D	T	F	X	G	Q	D	H	U	T
K	X	V	E	X	V	P	W	M	M	V	L	E	Z
E	I	X	P	O	W	E	R	S	O	F	T	L	X
C	M	Q	Z	D	N	S	H	D	J	N	E	I	Q
A	M	P	M	I	T	A	B	R	E	V	O	W	E
F	V	M	X	D	I	S	K	E	T	T	E	S	K
R	V	G	V	E	S	F	B	H	P	A	X	Q	V
E	K	X	G	P	C	L	T	U	W	W	W	J	C
T	Q	X	R	U	I	C	P	N	W	U	J	P	C
N	M	C	G	N	V	A	I	Z	K	X	Y	M	S
I	L	K	K	M	F	J	R	R	E	V	V	S	M
M	L	E	I	V	D	X	C	I	I	N	K	B	F
K	Y	Y	G	U	F	F	S	T	G	Y	N	D	T
X	B	F	J	N	Z	Q	W	F	H	F	X	F	R
P	Q	N	T	Q	T	Z	E	P	T	O	Y	R	E
A	I	J	H	L	Z	J	N	P	Y	I	T	E	T
E	T	B	E	H	E	O	O	N	M	P	H	G	A
G	S	W	G	B	Q	Y	M	K	I	Y	G	G	E
X	O	W	A	R	D	S	N	Y	C	Z	I	O	E
W	D	X	M	D	G	T	I	N	R	H	E	R	L
G	W	Y	E	R	Y	I	T	S	O	L	S	F	P
C	E	I	R	F	H	C	E	I	L	S	R	D	P
S	N	J	O	N	O	K	R	F	F	A	T	A	A
F	M	A	O	B	Z	R	M	C	N	R	Y	L	R
T	S	S	M	X	P	P	P	F	R	C	Y	Z	X
Z	R	D	D	Q	B	W	G	F	O	I	E	U	U
M	E	J	J	U	H	P	A	V	C	X	M	T	J
C	B	P	M	X	T	J	K	K	A	A	W	P	Q
I	X	A	S	K	A	L	A	N	V	M	C	G	B
P	C	X	L	U	M	E	D	O	M	Z	Z	E	G

- WORD LIST -

GEAP
NEWSCRIPT
ACORN
VERBATIM
EIGHTYMICRO
POWERSOFT
NEWDOS
APPLEEATER
FROGGER
OMNITERM
DISKETTES
BLINKEY
ASKALAN
THEGAMEROOM
MAXICRAS
MODEM
INTERFACE
FCUG
JOYSTICK
TRSEIGHTY

Computer-Generated
Word-Search Puzzle
By John Krause

FLEXTEXT

Review by

Alan Abrahamson

Flextext from Apparat is a very fine add on for your Scripsit package that will enable you to do many things with Scripsit that you have been unable to do in the past. This package is for the Epson MX series of printers, but other packages are available for other printers, e.g. Centronics 737 series.

So what does it do? A fair question I would say. First of all it allows you to control the TRS-80 graphics from within the Scripsit text area. It is not too easy to use because the figure can not be visualized on the screen and each graphic block character is represented as a number or letter following a special enbedded command. The output is great if you get it right by planning first on a video worksheet. The graphics will look like this: [illegible] Other possibilities are special characters printed from the keyboard which are: {}~^_'[]|. As if this was not enough you also have control over the impression which has been already set in this text for double strike and emphasized print. The heading was of course controlled in the **WIDE** mode. *You also can use the italics character set from within your text.* Underlining is also at your disposal from anywhere at all. If you need the compressed printing mode then that to is available and FLEXTEXT takes care of all the spacing and justification for you.

If you are into math or have need for things like trade marks or copyrights then Flextext can handle your Superscripts as well as Subscripts for you. There can't be more you say, well there is. It has tabs like a typewriter so if you have some formatted text that you wish in columns it is at your disposal. e.g.

Heading 1 Heading 2 Heading 3

As if all the above weren't enough you can also control the linefeed spacing as well as the bell on you printer and one final feature for those of you into reverse indents.

Reverse Indent

This feature alllows very nice control for outlines combined with the tabbing function.

This is a very impressive package and well worth its price considering the ease of use and *flexibility* of **FLEXTEXT.**

HEX Chart by Tony Scarpelli

The following program by Tony Scarpelli is reprinted from Byte Babble, October 1982. To use the printout from this program:

There are four major colums. Each column has three smaller colums. One is a two digit HEX code. Next is the decimal number times 256, and then is the decimal number. To use the chart, suppose that you wanted to convert 6D6F to its decimal equivalent. First look up the HEX number 4D in the first column. Next to it is its X256 equivalent, 19712. Write this down or put it into your calculator. Next look up the HEX number 6F. In the third column is its decimal equivalent, 111. Add the two decimal numbers together and you have your final number, 19823.

To change a decimal number to its HEX number, the process is just as simple. Suppose you wanted to convert 47258 to its HEX equivalent. First find on the chart in the center column the number that is just smaller than your original number without going over. Write down its HEX equivalent. This would be 47104 and B8. Subtract this decimal from your original and look up the remainder in the DEC column, this would be 154 and 9A. Thus 47258 decimal is B89A HEX.

```
10 ' Hex to dec Chart - Filespec: HXDCCHRT/BAS
20 ' by Tony Scarpelli
     Reprinted from Byte Babble, Oct 1982
30 CLEAR0 : CLEAR100 : DEFINT B, L, P, K, C
40 D$ = "###"
50 T$ = "######"
70 LPRINT TAB(26)"Hex to Dec Conversion Chart"
80 LPRINT STRING$(79,"=")
90 FORI = 1 TO 5
100 LPRINT"Hex  x256 Dec ";CHR$(124);" ";
110 NEXT I
120 LPRINT STRING$(79,"-")
130 BI = 10 : BO = 16
140 FOR I = 1 TO 51
150 N = I
160 FOR C = 1 TO 5
170 NI$ = STR$(N)
180 GOSUB 420
190 IF N < 16 THEN LPRINT" ";
200 LPRINT NO$;" ";
210 LPRINT USING T$;N*256;
220 LPRINT" ";
```

```
230 LPRINT USING D$;N;
240 LPRINT" ";CHR$(124);" ";
250 N = N + 51
260 NEXT C
270 LPRINT
280 NEXT I
290 LPRINT STRING$(79,"-")
300 LPRINT
310 LPRINT"      Hex to Binary Chart":LPRINT
320 LPRINT"1 = 0001     2 = 0010     3 = 0011"
330 LPRINT"4 = 0100     5 = 0101     6 = 0110"
340 LPRINT"7 = 0111     8 = 1000     9 = 1001"
350 LPRINT"A = 1010     B = 1011     C = 1100"
360 LPRINT"D = 1101     E = 1110     F = 1111"
370 END
380 '
390 'Base conversion subroutine
400 '
410 'Convert to decimal
420 L = LEN(NI$)
430 DEC = 0
440 PWR = 0
450 FOR J = L TO 2 STEP -1
460 K  =  ASC( MID$( NI$ , J , 1 ))
470 IF K > 64 THE K  =  K - 7
480 K  =  K - 48
490 IF K < BI AND K > -1 THEN 550
500 STOP
510 PRINT"Invalid input for base";
520 PRINT BI
530 NO$  =  "????"
540 RETURN
550 DEC  =  DEC + K * BI [ PWR
560 PWR  =  PWR +1
570 NEXT J
580 'Convert Decimal to base
590 H$ = "0123456789ABCDEF"
600 NO$ = ""
610 PWR  =  LOG (DEC) / LOG (BO)
620 FOR J  =  PWR TO 0 STEP -1
630 XX  =  INT (BO [ J + .5)
640 CH  =  DEC / XX
650 NO$  =  NO$ + MID$ (H$ , CH + 1, 1 )
660 DEC  =  INT (DEC - CH * XX + .5 )
670 NEXT J
680 RETURN
```

String Packing

by

Al Nelson

Reprint from OCTUG, September 1982

Recent magazine articles on string packing left me with many questions that I could only resolve by experimentation. The concepts presented here are the results of that experimentation. For those of you who have not tried string packing, try the following program:

```
1Ø A$="1234"
2Ø A = VARPTR(A$)
3Ø A = PEEK(A+1) + 256 * PEEK(A+2)
4Ø FOR X = Ø TO 3 : READ B
5Ø POKE A + X , B : NEXT X : GOTO 7Ø
6Ø DATA 65, 66, 67, 68
7Ø PRINT A$
```

On running this program "ABCD" is printed. Now list the program and "ABCD" has replaced "1234" in line 1Ø. Delete lines 2Ø thru 6Ø and when you run this program consisting of lines 1Ø and 7Ø, the result is the same "ABCD". This is obviously a terrific program shortner and it eliminates the time otherwise taken by the computer to read the data statements.

Well, you say, why not enter "ABCD" in line 1Ø in the first place, instead of "1234"? Certainly that would be the direct approach, but try substituting the following in the original 7-line program:

```
6Ø DATA 191, 128, 145, 191
```

On running this program you get the graphics called for but look what happened to line 1Ø when you list the program after the run. You should see:

```
1Ø A$="USINGENDGOSUBUSING"
```

The graphics numbers are also internal codes for Basic keywords. As before, delete lines 2Ø thru 6Ø and the program still works. The listing looks like this:

```
1Ø A$="USINGENDGOSUBUSING"
7Ø PRINT A$
```

You can save it on disk or cassette, reload it and it still puts out the graphics characters. Enter NEW and type in the above two line exactly as it was listed. It won't do what it did before, will it? Now we're getting to the bottom of things. The original statement in line 10 causes "1234" to be placed in memory as ASCII numbers 49, 50, 51, and 52. These are not used for anything. It is just easier to type "1234" than to count spaces between quotes. The VARPTR call in line 20 gives A the value of the length of the string, which is also not used for anything.

However, A+1 and A +2 give you the two-byte address, line 30, for the start of the string bytes. Lines 40 and 50 then poke the data bytes 191, 128, 145 and 191 into memory replacing 49, 50, 51 and 52 respectively. Note the X = 0 to 3 has to agree with the number of spaces between quotes in the string. Calling for the print of A$ results in the graphics display.

Now, when you started fresh and typed in that same two-line program, lines 10 and 70, what went into memory where the ASCII codes for each of the letters you typed between quotes was? When A$ was printed you got the letters you typed. The only way to get the desired codes within the quote marks is by poking them into memory.

The listing below is an animated graphics program, and is an illustration of string packing. After you have run the program, list it. You will see the basic keywords in lines 40, 50 and 60. Now delete lines 70 thru 150. Copy the remaining program on disk or cassette and it will still work, and there will be no delay such as you probably noted on the first run.

```
10 CLS
20 PRINT"Animated Square, by Al Nelson,
         Leisure World, Laguna Hills, CA."
30 PRINT:PRINT:PRINT"press 0 to 9 for speed
                  (9 is slowest)"
40 A$ = "1234567890123456789012345"
50 B$ = "1234567890123456789012345"
60 C$ = "1234567890123456789012345"
70 A = VARPTR(A$): GOSUB 100
80 A = VARPTR(B$): GOSUB 100
90 A = VARPTR(C$): GOSUB 100: GOTO 160
100 A = PEEK(A+1) + 256 * PEEK(A+2)
110 FOR X = 0 TO 24 : READ B
120 POKE A + X , B : NEXT : RETURN
130 DATA 176,128,140,128,128,140,128,176,
         248,176,198,176,248,176,198,176,
         248,128,128,131,128,128,131,128,128
140 DATA 140,128,128,140,128,128,140,128,
         248,140,198,131,248,140,198,131,
         248,128,131,128,128,131,128,128,131
150 DATA 128,140,128,128,140,128,128,140,
         248,131,198,140,248,131,198,140,
         248,131,128,128,131,128,128,131,128
160 PRINT@400,A$: GOSUB 190
```

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Bulletin Boards On-Line Magazine

Courtesy of On-Line Magazine we have been given the right for a 1 time reprint of this most current bulletin board list. I hope that this is of value to you AT&T supporters out there.

RCP/M	Cranford, NJ	(201)272 1874 C
FORUM	Linden, NJ	(201)486 2956 + $24 C
FORUM	Monmouth/Brielle, NJ	(201)528 6623 $24 C
C-TREE	Flagship, Denville, NJ	(201)627 5151 $24 C
----	New Jersey TELECOM	(201)635 0705 $24 $1 NA
PMS	Shrewsbury, NJ	(201)747 6768 NA
RCP/M	Shrewsbury, NJ	(201)747 7301 EW C
RCP/M	Ocean, NJ	(201)775 8705 + C
CON-80	PHOTO 80, Haledon, NJ	(201)790 6795 C
ABBS	New York, NY APPLE MATE	(201)864 5345 NA
RATS	Systems	(201)887 8874 $1 NA
ACCESS	Wyckoff, NJ	(201)891 7441 $24 C
RCP/M	Rutgers, New Brunswick, NJ	(201)932 3879 $24 NA
PMS	Rutgers U. Microlab, Piscataway,NJ	(201)932 3887 C
----	Washington, DC ARMUDIC	(202)276 8342 $1 C
PSBBS	Washington, DC	(202)337 4694 $24 C
BUL 80	Greenwich, CT Educational	(203)629 4375 C
BUL 80	Danbury, CT	(203)744 4644 $1 C 714-530-4765
----	New Fairfield, CT TELCOM 7	(203)746 5763 $24 NN C
Apple → BUL-80	Seymour, CT	(203)888 7952 NN C
FORUM	Montgomery, AL	(205)272 5069 C
FORUM	Mobile, AL	(205)343 1933 C
RCP/M	Huntsville, AL	(205)895 6749 RB B-OK
ABBS	Apple Crate II, Seattle, WA	(206)244 5438 C
CON-80	Everett, WA	(206)334 7394 + C
RCP/M	Yelm, WA	(206)458 3086 RB C
PMS	Software Unltd, Kenmore, WA	(206)486 2368 $24 NN C
----	Seattle, WA MAILBOARD 82	(206)527 0897 $24 C
FORUM	Seattle, WA	(206)723 3282 NA C
----	Seattle, WA MINIBIN	(206)762 5141 $24 B-OK
CON-80	SEACOMM 80 Seattle, WA	(206)763 8879 $24 C
ACCESS	Olympia, WA	(206)866 9043 $24 C
JCTS	Redmond, WA	(206)883 0403 $24 B-OK
CBBS	BOISE, ID	(208)342 5948 C
TCBBS	B A M S New York, NY	(212)362 1040 $24 NA
CON-80	Woodhaven, NY	(212)441 3755 $24 B-OK
SISTER	Staten Island, NY	(212)442 3874 $24 NA
----	DIAL YOUR MATCH #7	(212)456 2528 SO B-OK
RCP/M	AABB New York, NY	(212)787 5520 NA
TCBBS	New York, NY	(212)799 4649 $1 NA
----	Morningside, NY	(212)866 3526 C
TCBBS	Leigh's Computer World, NY	(212)879 7698 C
SMBBS	New York, NY	(212)884 5408 C
COMM80	Queens, NY	(212)897 3392 $24 NA
CON-80	Manhattan, NY	(212)991 1664 C
PMS	McGraw Hill Books, New York, NY	(212)997 2488 C

PMS	Los Angeles, CA	(213)334 7614 $24
N-W	Coin Games, Los Angeles, CA	(213)336 5535 C
----	DIAL YOUR MATCH #9	(213)345 1047 SO B-OK
N-W	Encino, CA	(213)345 3670 NA
PMS	O A C , Woodland Hills, CA	(213)346 1849 $24 C
RCP/M	Granada Engineering, LA, CA	(213)360 5053 NA
HBBS	San Fernando Valley	(213)366 4837 B-OK
C-TREE	Kelp Bed, Los Angeles, CA	(213)372 4800 NA
N-W	Los Angeles, CA MAGNETIC FANTASIES	(213)388 5198 C
C-TREE	Santa Monica, CA #4	(213)394 1505 NA
----	Los Angeles, CA BR'S BBS	(213)394 5950 $24 C
----	DRAGON'S GAME SYSTEM	(213)428 5206 (Pass=DRAGON) C
N-W	WEST LOS ANGELES, CA SOFTWORX	(213)473 2754 C
PASBBS	Torrance, CA	(213)516 7089 #1 $24 NA
PASBBS	Bellflower, CA	(213)531 1057 B-OK
RCP/M	GRFRN Dta Exch, Palos Verdes, CA	(213)541 2503 + $24 Vadic 1200 std. also C
----	LONG BEACH COMMUNITY COMPUTER	(213)591 7239 $24 C
----	Los Angeles, CA L.A. Interchange	(213)631 3186 $24 C
----	DIAL YOUR MATCH #4	(213)783 2305 SO B-OK
----	SHERMAN OAKS, CA ELECT LINE CONN.	(213)789 9512 C
RCP/M	CBBS Pasadena, CA	(213)799 1632 $24 NA
ABBS	Comp. Conspiracy, Santa Monica, CA	(213)829 1140 C
----	DIAL YOUR MATCH #1	(213)842 3322 SO B-OK
N-W	Computer World, Los Angeles, CA	(213)859 0894 $24 NA
----	Novation CO, Los Angeles, CA	(213)881 6880 <pass=CAT> C
----	KLUGE COMPUTER	(213)947 8128 + Vadic 1200 stds. also C
----	NORTH HOLLYWOOD, CA ORACLE	(213)980 6743 SO B-OK
----	Canoga Park, CA DATAMATE	(213)998 7992 SO #1 C
FORUM	DALTRUG, Dallas, TX	(214)235 8784 $24 C
N-W	DALLAS, TX ECLECTIC COMP. SYSTEM	(214)239 5842 C
ABBS	Dallas Info Board	(214)248 4539 C
N-W	Dallas, TX	(214)361 1386 $24 NA
ABBS	DALLAS, TX TELEDUNJON II	(214)530 0858 C
N-W	Apple Shack, Dallas, TX	(214)644 4781 $24 NA
N-W	DALLAS, TX APPLE GROVE	(214)644 5197 B-OK
BUL-80	Hawkins, TX	(214)769 3036 C
N-W	DALLAS, TX HACKER NET	(214)824 7160 C
N-W	Winesap, Dallas, TX	(214)824 7455 NA
ABBS	DALLAS, TX TELEDUNJON III	(214)960 7654 C
BUL 80	LANGHORNE, PA	(215)364 2180 NA
RCP/M	Allentown, PA	(215)398 3937 $24 C
----	Allentown, PA HERMES-80	(215)434 3998 NA
----	Lehigh Press BB, PA	(215)435 3388 #1 NA
----	AUNT DRU'S X RATED North Whales, PA	(215)855 3809 SO C
FORUM	Cleveland, OH	(216)486 4176 + C
BUL-80	Akron, OH	(216)645 0827 $24 C
BUL-80	Chesterland, OH	(216)729 2769 C
ABBS	Akron Digital Group, Akron, OH	(216)745 7855 $24 C
----	Poland, OH Comp. Applications Co	(216)757 3711 NN C
ABBS	Cleveland, OH	(216)779 1338 C
PMS	Massillon, OH	(216)832 8392 $24 B-OK
PMS	RAUG, Akron, OH	(216)867 7463 $24 C
N-W	C A M S , Decatur, IL	(217)429 5541 C
BUL-80	Springfield, IL	(217)529 1113 C
RCP/M	VALPARAISO, IN	(219)465 1056 EW 300 710 BAUD NA
RCP/M	BETHESDA, MD	(301)229 3196 NIGHTS ONLY NA
ACCESS	Annapolis, MD	(301)267 7666 $24 NA
PMS	Ellicott City, MD	(301)465 3176 B-OK

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AMIS	Chicago, IL	(312)789 3610 C
PMS	Arlington Heights, IL	(312)870 7176 $24
CBBS	Chicago, IL MAUDE TEL. # Milw. WI	(312)876 0974 EW B-OK
MCMS	Chicago, IL C A M S	(312)927 1020 $24 NN C
N-W	Chicago, IL Pirate's Ship	(312)935 2933 $24 B-OK
RCP/M	Chicago, IL TRS 80	(312)949 6189 C
RCP/M	Hyde Park, IL	(312)955 4493 C
RATS	Homewood, IL	(312)957 3924 #1 C
ABBS	Rogers Park, Chicago, IL	(312)973 2227 C
FORUM	Pontiac, MI	(313)335 8456 C
RCP/M	Pontiac, MI	(313)338 8505 EW NA
ABBS	Southfield, MI Michigan Apple Fone	(313)357 1422 C
BUL-80	Mt. Clemens, MI	(313)465 9531 C
ABBS	Detroit-Farmington Hills, MI	(313)477 4471 EW NA
----	Detroit, MI Westside Download	(313)533 0254 C
RCP/M	Detroit, MI CBBS	(313)535 9186 RB <pass=Sorcerer> C
RCP/M	Southfield, MI	(313)559 5326 $24 B-OK
RCP/M	Detroit, MI	(313)584 1044 RB NA
RCP/M	Westland, MI	(313)729 1905 RB NA
RCP/M	Royal Oak, MI CBBS Keith Petersen	(313)759 6569 RB B-OK
RCP/M	Dearborn, MI CBBS TCBBS	(313)846 6127 $24 B-OK
AMIS	Detroit, MI MACE	(313)868 2064 #1 $24 C
AMIS	Sterling Heights, MI ARCADE	(313)978 8087 C
----	St Louis, MO MIDWEST	(314)227 4312 SO C
----	St Louis, MO Heath U G BBS	(314)291 1854 NA
N-W	Computer Station, St Louis, MO	(314)432 7120 NA
ABBS	Columbia, MO	(314)442 6502 EW NA
N-W	St Louis, MO	(314)781 1308 C
----	HDOS BBS St Louis, MO	(314)946 0609 NA
FORUM	HutchinSOn, KS	(316)665 3985 $24 C
FORUM	Wichita, KA	(316)682 2113 + $24 C
N-W	Greenfield, IN	(317)326 3833 $24 NN C
PMS	Indianapolis, IN	(317)787 5486 $24 NN C
ONLINE	Indianapolis, IN	(317)787 9881 $24 <ID#=GU S, pswd=pass> NN C
FORUM	Shreveport, LA	(318)631 7107 $24 C
ABBS	Apple Med, Iowa City, IA	(319)353 6528 C
CBBS	Cedar Rapids, IA	(319)364 0811 C
N-W	Providence, RI Comp. City	(401)331 8450 $24 C
TRADE	Omaha, NE	(402)292 6184 C
ABBS	Omaha, NE	(402)339 7809 NA
RCP/M	Edmonton, Alberta, Canada	(403)454 6093 $24 NA
RCP/M	Computron, Edmonton, Alberta,Can	(403)482 6854 $24 C
ABBS	Atlanta, GA	(404)256 1549 NA
CBBS	Atlanta, GA	(404)394 4220 $24 B-OK
BUL 80	Fayetteville, GA	(404)461 9686 NA
ABBS	AGS, Atlanta, GA	(404)733 3461 $24 C
C-TREE	Atlanta, GA	(404)892 9627 NA
REMOTE	Atlanta, GA Microstuf, Inc.	(404)926 4318 $24 #1 C
----	Atlanta, GA TELEMESSAGE 80	(404)962 0616 C
ABBS	Lawton OK	(405)353 2556 EW NA
CON-80	Stillwater, OK	(405)372 8872 NA
ABBS	Oklahome City, OK	(405)528 8009 NA
HBBS	Oklahoma City, OK	(405)848 9329 $24 NN C
REMOTE	Great Falls, MT MT. Microcomputers	(406)453 0275 EW 110, 300 BAUD NA
----	Billings, MT IBM PC	(406)656 9624 NN C
N-W	San Jose, CA Computer Emporium,	(408)227 0227 NA
N-W	Computer EMPORIUM NETWORKS	(408)227 5416 NA
BUL-80	San Jose, CA	(408)241 0769

CBBS	SANTA CLARA, CA	(408)241 1956 NA C
AMIS	Cupertino, CA GRAFEX	(408)253 5216 NN C
RCP/M	Silicon Valley Area Oxgate	(408)263 2588 NA
RCP/M	San Jose, CA Oxgate	(408)287 5901 EW B-OK
AMIS	San Jose, CA IBBBS	(408)298 6930 C
PMS	Campbell, CA	(408)370 0873 $24 C
C-TREE	Berkeley, CA	(408)475 7101 #1 C
PMS	Santa Clara, CA	(408)554 9036 C
PMS	Santa Cruz, Aptos, CA	(408)688 9629 $24 C
CBBS	Pittsburgh, PA PACC,	(412)822 7176 $24 C
~~ST80CC~~	~~Westfield, MA~~	~~(413)568 5564 $24 NA~~
RCP/M	Milwaukee, WI CBBS MAUDE	(414)241 8364 $24 C
RCP/M	Big Top, Milwaukee, WI	(414)259 9475 NN B-OK
C TREE	Milwaukee, WI	(414)332 0618 NA
BBS	Milwaukee, WI SUE	(414)483 4578 NN C
PetBBS	Racine, WI	(414)554 9520 $24
ABBS	Colortron Computer, WI	(414)637 9990 $24
ABBS	Lafayette, CA	(415)284 9524 NA
C TREE	Palo Alto, CA	(415)325 7066 6PM-9AM PST NA
BBS	Living Videotext, Menlo Park, CA	(415)~~327 8876~~ $24 C → 565-3037
FORUM	San Francisco, CA	(415)348 2139 + C
CBBS	Proxima, Berkeley, CA	(415)357 1130 C
----	Menlo Park, CA IAC Message Base	(415)367 1339 $24 NA
----	Menlo Park, CA IAC Message Base	(415)367 6287 $24 NA
RCP/M	Larkspur, CA Marin County	(415)383 0473 + C
----	Oakland, CA Sunrise Omega 80	(415)452 0350 NN C
RCP/M	Larkspur, CA	(415)461 7726 $24 C
PMS	Pleasanton, CA	(415)462 7419 $24 C
ABBS	South of Market, San Francisco, CA	(415)469 8111 SO CA
C-TREE	Hayward, CA #3,	(415)538 3580 C
C TREE	Berkley, CA	(415)548 4683 8 PM 8 AM PST NA
RCP/M	San Carlos, CA Datanet,	(415)595 0541 C
----	San Francisco, CA Kinky Kumputer	(415)647 9524 SO NA
CON-80	Fremont, CA	(415)651 4147 $24 NA
CBBS	Lambda, Berkeley, CA	(415)658 2919 SO C
HMS	Oakland, CA Horny Message System	(415)845 2079 SO C
PMS	Portola Valley, CA	(415)851 3453 $24 B-OK
C-TREE	San Francisco, CA #2	(415)861 6489 C
ABBS	San Francisco, CA	(415)863 4703 $24 NA
ABBS	Hayward, CA	(415)881 5662 C
RCP/M	San Francisco, CA	(415)965 4097 $24 110 710 BAUDB-OK
RCP/M	Mississauga, Ontario, Canada	(416)826 5394 + $24 Vadic stds. also C
ABBS	Springfield, MO	(417)862 7852 C
ABBS	Toledo, OH Computer Store	(419)531 3845 C
CON-80	Little Rock, AR	(501)372 0576 NA
ABBS	LOUISVILLE, KY	(502)426 2975 NA
CON-80	Portland, OR PAUG,	(503)281 7653 C
CON 80	MCMINNVILLE, OR	(503)472 4138 NA
FORUM	Medford, OR	(503)535 6883 $24 C
RCP/M	Oregon Area	(503)621 3193 + $24 NA
OARCS	Portland, Oregon	(503)641 2798 NN NA
CBBS	Portland, OR CBBS-NW	(503)646 5510 $24 C
CBBS	Baton Rouge, LA	(504)273 3116 $24 C
ABBS	Baton Rouge, LA	(504)291 1360B-OK
N-W	Baton Rouge, LA Crescent City	(504)454 6688 NA
----	Baton Rouge, LA Data System	(504)926 0181 C
ABBS	Spokane, WA	(509)534 2419 $24 NA
ABBS	Yakima, WA Rob Roy Computer	(509)575 7704(ATARI BB?) C

ABBS	Austin, TX	(512)261 6860 NA	
FORUM	San Antonio, TX	(512)340 6720 C	
----	Austin, TX DRACLE Classified Syst.	(512)346 4495 C	
C-TREE	Victoria, TX	(512)578 5833 C	
CBBS	Corpus Christi, TX	(512)855 1512 NA	
N-W	Corpus Christi, TX Sparklin' City	(512)882 6569 C	
N-W	Dayton, OH	(513)223 3672 NA	
PMS	Cincinnati, OH	(513)671 2753 NA	
BUL 80	Cincinatti, OH CINTUG	(513)791 8208 $24 NA	
XBBS	Hamilton, OH	(513)863 7681 $24 C	
N-W	Des Moines, IA Computer Emporium	(515)224 1995 NEW NUMBER	CHECK
CBBS	Long Island, NY	(516)334 3134 $24 NA	
CON-80	Great Neck, NY	(516)482 8491 $24 C	
CBBS	Long Island, NY LICA LIMBS	(516)561 6590 $24 C	
CON-80	Centereach, NY	(516)588 5836 C	
----	Adventure BBS	(516)621 9296 NA	
ABBS	Long Island, NY	(516)698 4008 B-OK	
CON-80	Lansing, MI	(517)339 3367 C	
----	Albany, NY Capital City BBS	(518)346 3596 $24 C	
FORUM	Albany, NY	(518)355 1826 C	
ABBS	JACKSON, MS	(601)362 8755 EW NA	
----	JackSOn, MS Remote Apple	(601)992 1918 $24 C	
ACCESS	Phoenix, AZ	(602)274 5964 C	
FORUM	Sierra Vista, AZ	(602)458 3850 $24 NN C	
CBBS	TucSOn, AZ TSG	(602)746 3956 $24 C	
ABBS	PHOENIX, AZ	(602)898 0891 NA	
ABBS	PHOENIX AZ COMPUTERLAND	(602)955 1486 EW NA	
ACCESS	PHOENIX AZ DESERT TECHNOLOGY	(602)957 4428 + $24 C	
ACCESS	Phoenix, AZ	(602)996 9709 #1 $24 C	
ACCESS	Scotsdale, AZ	(602)998 9411 $24 C	
N-W	Portsmouth, NH	(603)436 3461 C	
M-NET	Nashua, NH	(603)673 9476 $24 NA	
FORUM	Nashua, NH	(603)882 5041 NA	
CON-80	Peterborough, NH	(603)924 7920 B-OK	
M NET	Peterborough, NH Wayne Green Inc	(603)924 9885 EW NA	
CBBS	Prince George, B C , Canada	(604)562 9515 NA	
RCP/M	Vancouver, BC, Canada Terry O'Brien	(604)584 2543 NA	
BUL 80	Lexington, KY	(606)299 1998B-OK	
RCP/M	JohnSOn City, NY SJBBS	(607)797 6416 C	
RATS	Wenonah, NJ #2	(609)468 3844 C	
RATS	Wenonah, NJ	(609)468 5293 NA	
ABBS	Marlton,NJ NJAUC	(609)983 5970 NA	
CBBS	Richfield, MN	(612)423 5016 NA	
ZBBS	Minneapolis, MN	(612)426 9028 C	
MCMS	Minneapolis, MN NC Software	(612)533 1957 $24 C	
N-W	Minneapolis, MN	(612)561 6311 $24 NA	
PMS	Minneapolis, MN	(612)929 6699 $24 C	
RCP/M	Columbus, OH CBBS	(614)272 2227 $24 C	
BUL-80	Ironton, OH	(614)532 6920 NA	
FORUM	Nashville, TN	(615)847 2930 NN	
AMIS	Grand Rapids, MI G R A S S	(616)241 1971 $24 NN C	
ABBS	Kalamazoo, MI	(616)382 0101 NA	
CON-80	W. Mich. Micro Group, MI	(616)457 1840 $24 C	
BUL-80	Boston, MA	(617)266 7789 + $24 B-OK	
----	Boston, MA Boston Info Exchange	(617)423 6985 + $24 C	
CBBS	Boston, MA	(617)646 3610 $24 B-OK	
NMS	Natick, MA	(617)478 4164 $24 NN B-OK	
CBBS	Boston, MA Lawrence General Hosp.	(617)683 2119 NA	

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----	Portsmouth, VA TALK 80 ROBB	(804)484 9636	C
RCP/M	Grafton, VA	(804)898 7493	$24 C
----	Newhall, CA Computer Arts Msg. Sys.	(805)255 6445	NA
RCP/M	Thousand Oaks, CA	(805)496 9522	$24 NA
RCP/M	Simi Valley, CA CBBS CP/M Net	(805)527 9321	C
REMOTE	Santa Barbara, CA	(805)682 7876	C
BUL 80	Lancaster, CA	(805)947 9925	NA
REMOTE	Santa Barbara, CA	(805)964 4115	C
ABBS	Amarillo, TX	(806)355 5610	NA
N-W	Hawaii	(808)521 7312	B-OK
----	COMPUTERIZED MESSAGE SYSTEM	(813)238 0299	NA
ALPHA	Tampa, FL	(813)251 4095	$24 <acct#=ABCD00, pwd=TRYIT> C
REMOTE	Largo, FL	(813)535 9341	$24 C
----	Apollo, FL Apollo's Chariot	(813)645 3669	NA
----	Bradley Computer BBS	(813)734 7103	C
RCP/M	Tampa, FL Computerized Services	(813)839 6746	C
----	Micro Informer	(813)884 1506	C
ST80CC	Tampa, FL Buddy's Super BB	(813)885 6187	C
REMOTE	Tampa,FL North * Info Exchange	(813)885 7536	$24 NA
CON-80	Tampa, FL	(813)935 8629	NA
CON-80	Tampa, FL	(813)977 0989	C
----	Wild Goose board	(813)988 7400	C
RCP/M	State College, PA	(814)238 4857	$24 B-OK
TRADE	Erie, PA	(814)898 2952	$24 C
MCMS	Lockport, IL J A M S	(815)838 1020	$24 NN C
N-W	ST Joseph, MO The Silver Tounge	(816)232 3153	$24 C
CON-80	ST Joseph, MO	(816)279 6859	NA
FORUM	Kansas City, MO	(816)861 7040	+ $24 #1 C
FORUM	Kansas City, MO	(816)931 9316	+ $24 C
N-W	Compushop FWA NETWORKS	(817)261 4700	NA
ABBS	Dallas, TX TELEDUNJON I	(817)469 1626	B-OK
N-W	Ft. Worth, TX Computer Pro	(817)732 1787	C
BUL-80	Wichita Falls, TX	(817)767 5847	B-OK
FORUM	Wichita Falls, TX	(817)855 3916	C
FORUM	Memphis, TN	(901)362 2222	+ $24 C
ABBS	Memphis TN Computer Lab	(901)761 4743	NA
C-TREE	Anchorage, AK	(907)344 5251	B-OK
PMS	Anchorage, AK	(907)344 8558	B-OK
----	DIAL YOUR MATCH #3	(912)233 0863	SO C
PMS	Kansas City, MO Apple Bits,	(913)341 3502	$24 C
RCP/M	Mission, KS MUG	(913)362 9583	+ $24 C
ONLINE	Mission, KS DickinSOns Movie Guide	(913)432 5544	C
FORUM	Leavenworth, KS Educational	(913)651 3744	$24 NA
----	Kansas City, MO EXPERIMENTAL 80	(913)676 3613	C
RCP/M	Brewster, NY	(914)279 5693	B-OK
BUL-80	Poughkeepsie, NY	(914)297 0665	B-OK
FORUM	Poughkeepsie, NY	~~(914)471 9579~~	~~C~~ ?
----	Elmsford, NY NYBBLES 80	(914)592 5385	C
RCP/M	Bearsville, NY SJBBS	(914)679 6559	RB C
ST80CC	Monroe, NY Monroe Camera Shop,	(914)782 7605	NA
CON-80	Stony Point, NY	(914)942 2638	$24 C
ABBS	El PaSO, TX	(915)533 7039	C
HBBS	EL PaSO, TX	(915)592 1910	C
N-W	El PaSO, TX	(915)593 6655	NA
RCP/M	EL PaSO, TX	(915)598 1668	B-OK
FORUM	El PaSO, TX	(915)755 1000	$24 C
----	Sacramento, CA Aviators BBS	(916)393 4459	C
RCP/M	Sacremento, CA	(916)483 8718	NA

CON-80 Tulsa, OK (918)747 1310 $24 NA
BUL-80 Tulsa, OK (918)749 0059 $24 C
FORUM Rocky Mount, NC (919)977 9089 EW C

SUPER UTILITY COMMAND FILE

by

Roger Whitehead

Reprinted from the Central Alabama Microcomputer Society Newsletter, >READY, comes this gem by Roger Whitehead. Editors note: (I have tested this idea and it worked with version 2.2z Rev.21 but it blew up with version 2.2zP(I). Give it a try with your version.)

The following how to get Super Utility +, version 2.2, on a disk as a command file. First, hard configure SU+ according to your desires. Then, with SU+ active, go to the SELECT MEMORY UTILITY and choose the MEMORY MOVE option. In response to the prompt, enter "4000H,51FFH,E400H". Press the BREAK key and choose the DISPLAY MEMORY option, responding with "F600H" to the question. Press the "M" to enter the Modify Mode, and enter the following hex codes:

F3 21 00 E4 11 00 40 01 00 12 ED B0 C3 0F 4C

If you have a Model III, the last three hex codes should be C3 6C 4C. Without disturbing anything, remove the SU+ disk and insert a NEWDOS80/v2.0 system disk and push reset. Then dump memory to a data disk that has at least 34 grans of free space with the command:

DUMP,SUPL22/CMD,5200H,F610H,F600H

This will save SU+ to disk as the command file SUPL22/CMD. When activated, SU+ will come up in the memory mode but pressing (SHIFT)<BREAK> will get you back to the main menu.

--> For Sale <--

TRS-80 Model I. 16K Level II. Cassette. New Style Keyboard. Numeric Keypad. Power Strip. Some Original Software. Lots of Books. Level II Course. Asking $300.00 Negotiable. Call 847-9760 Nites. 622-5051 Days.

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**********
* November *
* Minutes  *
*   by     *
* Pat Todd *
**********
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The Fairfield County Users Group convened finally at 7:40 P.M. Tuesday, November 2nd. The ten minute delay was caused by a few minor adjustments in program and equipment. However, President Sid Gross rang the meeting to order in his usual fashion and immediately got to the point - nomination of candidates for Secretary. Since I have not been seen setting up the airport monitors on a monthly basis, clearly I was not functioning adequately as Vice-President. I gladly volunteered to be Secretary instead. So....nominations were then open for Vice-President. Throughout the meeting the following members were nominated - Ed Hicks, Len Bloom, John Krause, and Mike Brotherton. Final nominations will take place at the beginning of the December meeting.

The usual excellent questions, problems, answers, and solutions - not to overlook several good laughs were next - including string packing with subscripted variables; a search for a really good accounts receivable program; does Superscript work with Newdos 80 Version II? (Yes); can one plug in an outside monitor to TRS Model III without voiding warranty?; How about a future fair with Apple, Atari, Ibm, Radio Shack, etc?; Don't miss the answers to these and even more exciting and interesting questions raised at every meeting. For the December meeting - bring the family - it is the annual games night.

The heart of the meeting was the series of presentations. Bill Hart started off demonstrating picture-drawing as outlined in your November newsletter, "QUICK/LN" . The regular basic-language line drawing program performed quite nicely by virtue of calling specific coordinates instead of using set/reset. However, Bill then followed up with the assembler program, "LINERS/CIM", that drew the same lines so fast that several members were in the middle of a blink and missed it.

Ed Hicks shared "TIME MANAGER", a 2 diskette, 2 drive program that does just what it purports to do.....help you manage your time. Ed needed more time to get into the subtleties of this interesting program, but he effectively demonstrated its remarkable capabilities. Ed handed out a most informative sheet which included category codes for the management of time, indicating its business capablilities as well as calendar priorities.

The final demonstration for the evening was a talk given by Aaron Bisberg, who owns his own business. Aaron was able to impart to us how in just one year (which included a course given by our own newsletter editor Alan Abrahamson) he was able

to master Visicalc to suit his needs for month to month and year to year analysis (12 disks -- 7 years per disk); Scripsit for invoices , purchasing orders, brochures; general ledger (with Radio Shack help on the 800 phone line and a 48k Model III); mailing lists for 1500 names. Aaron made it clear that he has been able to analyze every facet of his business but cautioned that it has taken him an incalculable amount of time to master this aspect of his career.

Halloween was celebrated at the coffee break with cider, apples, donuts, coffee, chocolate chip cookies, coffee and tea. If you have a program you've written or bought and would like to share it with the group, don't hesitate to step forward. Future presentations will include the IBM PC, Dot Writer, Accounts Payable, Accounts Receivable, and Barry Kornfeld. with some more info on drives.

A S K A L A N
by
Alan Abrahamson

Q: Using TRSDOS 1.3, I am trying to copy and execute a "DO" file from drive 1. I get an ERROR 34. What can I do to move (COPY) this file over to my system disk?

A: *Several approaches are possible. First try to unlock the password protection form TRSDOS 1.3 by using PROT :0 (UNLOCK,PW=PASSWORD). If this doesn't work then you might try Super Utility to remove the passwords, or copy the file. Another approach would be to use another system that will not check passwords (such as NEWDOS-80) to do the copy for you. If using NEWDOS-80, remember to set the PDRIVE correctly before attempting the file move. You will NOT be able to read a directory from TRSDOS 1.3 but you should be able to move the file properly.*

Q: I am writing an Inventory Control Program and I have all the input data in memory. I am using DOSPLUS 3.4, Model I. Should I write the data out to disk at the end of session or after each entry?

A: *After each entry would be a waste of I/O time and end of session does not leave any safety factor in case of a crash. How about a compromise? Establish a counter and for example, after each 100 entries write those arrays to disk using a sequential (OPEN"E") file format. Now zero your data arrays and start the next batch. After the next 100 you do the same thing. They would be added to the end of the file using OPEN"E". The worst case failure should be only the loss of 100 input items in the event of a system failure.*

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Merry Christmas Happy Chanukah Happy Chanukah Merry Christmas

The Voice of the '80 is a publication of the Fairfield County TRS-80 Users Group. Permission to reprint is granted for non-profit and non-commercial uses. Credit is appreciated. Submissions should be sent to the Editor at the address below:

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This Newsletter diligently produced and printed by John Krause Jr.

FAIRFIELD COUNTY TRS-80 USERS GROUP
% Alan Abrahamson
10 Richlee Road
Norwalk, CT 06851

1st C L A S S M A I L

Seasons Greetings to All FCUGers and Friends

TO: