



# Kings Byte

The Kings County  
TRS-80 Users Group

c/o MORTY LIBOWITZ  
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DECEMBER 1981

KINGS BYTE NEWSLETTER

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## KINGS BYTE OFFICERS

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## AREA TRS-80 USER GROUPS

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CONNECTION 80 B'KLYN	(212) 277-5851	CONN 80 STONY PT	(914) 942-2638

## KINGS BYTE MEETINGS

Our meetings take place on the first Wednesday of each month at 8AM (B'klyn Academy of Music) located near the Atlantic Ave. and Pacific St. subway stations. It is also near the L.I.R.R station.

Meetings start at 7:00 PM. Assembly language course at 7:30 PM. Lectures and/or demonstrations start at 8:15 PM. For up-to-date information call our Official Contact, Morty Libowitz at (212) 763-4233.

President's Keyboard  
By  
Steve Abramowitz

At this month's meeting on December 2 1981, the long awaited panel discussion on word processing will take place. We are honored to include on the Panel the President of the Metro TRS-80 users group, Barry (no relation to TANDY) Kornfeld. Barry published a very controversial review of SCRIPTSIT in 80 US magazine, about a year ago. He has prepared a set of zaps for SCRIPTSIT which he will also describe. Joining him on the panel will be Stan Milgraum, who is an attorney and one of our earliest members. Stan will discuss Lazy Writer. Hopefully, we will have someone to speak up for Electric Pencil. Walter Gorkiewicz will round out the panel by comparing the word processing software we use on our '80 with IBM's SCRIPT program, and explain how he hooked into the mainframe at his office.

Our December meeting will continue Kal's very popular series on programming in assembly language. He will continue the discussion of an Editor Assembler, and more about the very rich instruction set of the Z80 chip. The meeting will conclude with a hardware and software clinic, where members of the club try to help each other with problems and solutions.

By the way, did you see us listed in the latest (November) issue of 80 Microcomputing? Thanks, Bernie.

One line computer programs are no joke. But we haven't any in this issue and that is not funny either. The Sept. 1981 issue of Softside magazine pages 78-81, provide some tips on writing one liners. They are not hard to do, but they are not easy either. The beautiful part is anyone can write one and learn a bit (no pun intended) in the process. The TRS-80 BASIC allows up to 256 characters in a statement line. Come on guys and gals, lets write some and submit them to our editor so we can all be astounded.

Happy Computing!

LAST MEETING

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Our featured speaker was Larry Epstein who gave a lecture about Corvus hard disk drives. He connected one of these drives to a TRS-80 Model I, and demonstrated its features. Then Larry conducted a question and answer session, which showed great interest about this drive on the part of the audience. This presentation was well received by all.

The regular Assembly Language lesson was presented by Kal. This was followed by our Hardware and Software Clinic during which the audience received help with respect to some of their problems.

## THE STOCKING SOURCE

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Some of our members report that at the MID-ATLANTIC computer show in Washington DC they stumbled into an exhibit by THE STOCKING SOURCE (24069 Research Drive, Farmington Hills Michigan 48024). They were so impressed by the courteous treatment they recieved and the excellent prices they were able to negotiate, that four of them bought the Epson Grafrax ROMs and one bought an MX-80FT printer with Grafrax & cable.

The sales engineer they spoke to (Roy Hawthorne) told them that group purchases would be welcome (call Kim Grover at 800 521-2765), and that their applications engineer (Bill Tokar 800 521-2765) would be glad to answer technical questions such as interfacing their products to your computer.

P.S. When using the 800 number don't be dismayed if it is answered with one of their other corporate names.

## LETTER FROM LARRY EPSTEIN

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Kingsbyte Users group

Dear Members:

Thank you for the opportunity to address your group in reference to the Corvus hard disk drives. I hope that you found it to be as enjoyable as I did.

Since your last meeting, Corvus has released the Mod III interface card which would enable Mod III use with these drives.

If anyone has questions that I was unable to answer at the meeting, please have them contact me. Thank you again.

Sincerely,  
Larry Epstein

P.S. Please place this note in the newsletter.

Model I Level II BASIC & Assembly language programming help needed. Please call Larry Epstein at 236-3123.

## INDEX TO SCRIPSIT

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Starting on the next page is the first half of an index to Scripsit that was donated by Paul Oves who downloaded it from a Bulletin Board. The second half will appear next month.

## GUIDE TO THE USE OF SCRIPSIT FOR MODELS I AND III

BY GORDON WILLIAMS

## INTRODUCTORY NOTES:

COMMAND	COMMENT	PAGE IN MANUAL
* (CR)	ABBREVIATION FOR "PRESS ENTER"	
* CTRL	ABBREVIATION FOR "PRESS CONTROL"	
* *	ASTERISK MARKS EACH NEW COMMAND SEQUENCE OR COMMENT	
* SHIFT CTRL	TOGGLE UPPER/LOWER CASE	3
* >*	BEGINS A COMMENT LINE; IT MUST EITHER COME AT THE BEGINNING OF THE TEXT OR AFTER A TEXT BOUNDARY MARKER (SEE BELOW); THE COMMENT LINE MUST END WITH (CR) OR ANOTHER BOUNDARY MARKER (E.G., END OF PARAGRAPH OR END OF PAGE)	49
* S/CMD	RENAME SCRIPSIT/LC TO S/CMD (THEN CALL SCRIPSIT BY TYPING "S(CR)" WHILE IN DOS)	
* BREAK END(CR)	TO RETURN TO DOS -- BE CERTAIN FILE IS SAVED TO DISK	47
* -----	SCRIPSIT CAN BE USED TO EDIT ELECTRIC PENCIL FILES	
* -----	COMMAND SUMMARY	49-54
* -----	EXPLANATION OF ERROR MESSAGES	61-64
* -----	NOTES FOR ADVANCED USERS	55-60
* -----	3 TYPES OF TEXT BOUNDARY MARKERS LINE (GRAPHIC BLOCK) PARAGRAPH (RIGHT ARROW) PAGE (DOWN ARROW)	57

## SCREEN SYMBOLS:

* GRAPHIC BLOCK	LINE END MARKER (ENTER KEY)	
* RIGHT ARROW	PARAGRAPH END MARKER	
* DOWN ARROW	PAGE END MARKER	
* >	FORMAT LINE FOR PRINTER	
* OPEN BRACKET	BLOCK START MARKER	
* CLOSE BRACKET	BLOCK END MARKER	
* UP ARROW	COPY MARKER (PARTIAL PRINT)	43
* LEFT ARROW	UNRECOGNIZABLE CHARACTER IN A BASIC OR OTHER "FOREIGN" FILE (NOT RECOGNIZED AS A SCRIPSIT CONTROL CHARACTER)	59

## CURSOR MOVEMENT:

* 4 ARROW KEYS	PROVIDE INCREMENTAL MOTION	9
* SHIFT LEFT	CURSOR TO LEFT MARGIN	9
* SHIFT RIGHT	CURSOR TO RIGHT MARGIN	9
* SHIFT UP	CURSOR TO BEGINNING OF TEXT	9
* SHIFT DOWN	CURSOR TO END OF TEXT	9

## DELETING SPACES:

* CLEAR	DELETES ALL SPACES AT AND FOLLOWING 20 CURSOR UP TO FIRST ALPHANUMERIC CHARACTER	
* CTRL D	DELETES BLANKS WHICH SCRIPSIT	9,21
CTRL F	INSERTS AT END OF TEXT	

## DELETING TEXT:

* CTRL D	DELETES CHARACTER	9
* CTRL D	DELETES A WORD	9
CTRL Z		
* CTRL D	DELETES A LINE/SENTENCE	9
CTRL X		
* CTRL D	DELETES A PARAGRAPH	50
CTRL C		

## DELETING ENTIRE TEXT FROM MEMORY:

## USE CAUTION --

* CTRL UP ARROW	POSITION CURSOR TO TOP OF TEXT	50
CTRL D		
CTRL DN ARROW		
Y(CR)	ANSWER "Y" TO "DELETE TO END OF TEXT?"	

## DELETING A BLOCK:

* -----	POSITION CURSOR AT START OF TEXT	36
	TO BE DELETED	
CTRL Q		
D (ANY LETTER)	NEED TO LABEL THE BLOCK	
	(ANY LETTER EXCEPT H, F, P)	
-----	POSITION CURSOR TO END OF TEXT	
	TO BE DELETED	
CTRL Q		
CTRL DN ARROW		
-----	POSITION CURSOR ON BLOCK START	
CTRL D		
D	ANSWER "D" TO DELETE THE BLOCK	

## INSERTING TEXT:

* CTRL S	INSERTS ONE CHARACTER	50
* CTRL S	INSERTS ONE OR MORE LINES	50
CTRL X		
-----		
	TYPE TEXT IN AT THIS POINT;	
	WHEN THROUGH	
CLEAR	AFTER INSERT LINE CMD TO CANCEL	
	INSERT AND DELETE BLANKS	
	AT END OF LINE AND UP TO THE	
	FIRST ALPHANUMERIC CHARACTER	
	(INCLUDING ANY SPACES INSERTED	
	FOR PARAGRAPH INDENTATION)	

## ENDING PARAGRAPHS WITH AUTOMATIC INDENTATION OF NEXT PARA:

* CTRL C	AT END OF PARAGRAPH (NO ENTER)	53
* BREAK	TO SET PARAGRAPH INDENTATION	15
I=X(CR)		
* BREAK	TO FIND CURRENT PARAGRAPH INDENT	12
?I(CR)	(DEFAULT IS 5)	

## REPEATING A COMMAND:

* CTRL R	FOR REPEATED EXECUTIONS	39
(CR) OR N	PRESS ENTER FOR UP TO 255	
	REPETITIONS OR ENTER THE	
	NUMBER OF REPETITIONS DESIRED	

## SETTING TAB STOPS:

* BREAK	TO SET MULTIPLE TABS	15,32
T=X1,X2,X3,...		
* BREAK	TO CLEAR ALL TABS	32
TAB(CR)		
* BREAK	TO SET TAB AT CURRENT CURSOR	32
TS(CR)		
* BREAK	TO CLEAR TAB AT CURRENT CURSOR	32
TC(CR)		
* CTRL RT ARROW	IS THE TAB KEY -- NOTE THAT ANY	33
	LINE CONTAINING A TAB MUST	
	BE TERMINATED WITH (CR)	

## EXCHANGING WORDS:

* CTRL E	EXCHANGES TWO ADJACENT WORDS IF	50
CTRL Z	CURSOR PLACED OVER FIRST	
	CHARACTER IN SECOND WORD	

## EXCHANGING ADJACENT PARAGRAPHS

\* CTRL E                    EXCHANGES TWO ADJACENT PARAGRAPHS 50  
 CTRL C                    IF CURSOR PLACED OVER FIRST  
                              CHARACTER IN SECOND PARAGRAPH

## EXCHANGING NON-ADJACENT PARAGRAPHS:

\* -----                    POSITION CURSOR OVER FIRST SPACE 36  
                              OR CHARACTER IN FIRST BLOCK

CTRL Q  
 A (ANY LETTER)            THIS BLOCK MUST BE ASSIGNED A  
                              LABEL FOR SUBSEQUENT USE  
                              (ANY LETTER EXCEPT H, F, P).  
 -----                    COMPLETE THE MARKING OF THIS BLOCK  
                              BY POSITIONING CURSOR OVER  
                              FIRST CHAR FOLLOWING THIS  
                              BLOCK (E.G., FIRST SPACE OF  
                              PARA INDENT OF NEXT PARA)

CTRL Q  
 CTRL DN ARROW            BLOCK A IS NOW MARKED  
 -----                    POSITION CURSOR OVER FIRST SPACE OR  
                              CHAR IN THE SECOND BLOCK

CTRL Q  
 B                            GIVE THIS BLOCK A DIFFERENT LABEL  
                              (ANY LETTER EXCEPT H, F, P)  
 -----                    COMPLETE THE MARKING OF THIS BLOCK  
                              BY POSITIONING CURSOR OVER  
                              FIRST SPACE OR CHAR FOLLOWING  
                              THIS BLOCK (E.G., FIRST SPACE  
                              OF PARA INDENT OF NEXT PARA)  
 -----                    POSITION CURSOR OVER BLOCK START  
                              MARKER OF BLOCK B (SECOND ONE)

CTRL E  
 CTRL Q  
 A                            TYPE LABEL OF OTHER (FIRST) BLOCK  
 -----                    BLOCKS HAVE NOW BEEN EXCHANGED  
 -----                    TO DELETE BLOCK MARKERS, POSITION  
                              CURSOR OVER BLOCK START MARKER  
                              OF EITHER BLOCK

CTRL D  
 U                            TO UNMARK THE BLOCK  
 -----                    POSITION CURSOR OVER BLOCK START  
                              MARKER OF OTHER BLOCK

CTRL D  
 U                            TO UNMARK THE BLOCK

## MOVING A BLOCK (OR COPYING A BLOCK):

\* -----                    POSITION CURSOR AT BEGINNING OF 35  
                              TEXT YOU WANT TO MOVE OR  
                              DUPLICATE

CTRL Q  
A (ANY LETTER) THIS BLOCK REQUIRES A LABEL  
(ANY LETTER EXCEPT H, F, P)  
----- POSITION CURSOR AT END OF TEXT  
YOU WANT TO MOVE

CTRL Q  
CTRL DN ARROW  
----- POSITION CURSOR TO LOCATION WHERE  
THE BLOCK IS TO BE SENT

CTRL S  
CTRL Q  
A  
----- THE LABEL ASSIGNED ABOVE  
IF YOU WANT TO INSERT THE SAME  
BLOCK AT OTHER LOCATIONS,  
POSITION THE CURSOR TO THE  
NEXT LOCATION AND USE THE  
CTRL S / CTRL Q / A SEQUENCE  
USED ABOVE TO ACCOMPLISH AS  
MANY MOVES AS DESIRED

----- TO DELETE OR UNMARK BLOCK A (THE  
"SOURCE" BLOCK), POSITION  
CURSOR OVER BLOCK START  
MARKER

CTRL D ANSWER "D" TO DELETE THE BLOCK ---  
OR "U" TO UNMARK BLOCK AND  
LEAVE IT IN THE TEXT

## GLOBAL SEARCH AND REPLACE:

\* ----- POSITION CURSOR TO TOP OF TEXT 40  
OR TO PLACE WHERE SEARCH  
IS TO START

CTRL R FOR REPEATED SEARCHES (OPTIONAL)  
(CR) OR N PRESS ENTER FOR UP TO 255 SEARCHES  
OR ENTER THE NUMBER OF  
SEARCHES DESIRED

BREAK  
R>SEARCH-STRING>REPLACE-STRING(CR)  
----- UPPER/LOWER CASE MUST MATCH EXACTLY  
----- FOR A WHOLE WORD SEARCH, INCLUDE  
A SPACE BEFORE AND AFTER BOTH  
THE SEARCH-STRING AND THE  
REPLACE-STRING

## GLOBAL DELETE:

\* ----- POSITION CURSOR TO TOP OF TEXT 40  
OR PLACE WHERE DELETIONS  
ARE TO BEGIN

CTRL R FOR REPEATED DELETIONS (OPTIONAL)  
(CR) OR N PRESS ENTER FOR UP TO 255 DELETIONS  
OR ENTER NUMBER OF DELETIONS



NOTE: IF YOU WANT TO MAKE A  
DECISION ABOUT EACH DELETION,  
DO NOT USE THE CTRL R / (CR)  
METHOD ABOVE; IF YOU HAVE  
ALREADY ENTERED CTRL R, PRESS  
CLEAR TO CANCEL THE COMMAND;  
THEN PROCEED WITH NEXT STEP

BREAK

D>DELETE-STRING(CR)

IF YOU REQUESTED REPEATED DELETIONS,  
SKIP TO THE NEXT NOTE; IF YOU  
DECIDED TO MAKE A DECISION EACH  
TIME, YOU CAN USE THIS SHORT-CUT  
COMMAND TO MOVE ON TO THE NEXT  
DELETION DECISION:

BREAK

D(CR)

THE COMPUTER WILL "REMEMBER" THE  
DELETE-STRING YOU SPECIFIED  
UNTIL YOU GIVE A DIFFERENT  
GLOBAL COMMAND

IF YOU WANT A WHOLE WORD DELETION,  
INCLUDE EITHER THE SPACE BEFORE  
OR THE SPACE AFTER THE WORD

#### GLOBAL FIND OR COUNT-THE-OCCURRENCES OF A STRING:

\* ----- POSITION CURSOR TO TOP OF TEXT 41  
OR PLACE WHERE FIND OR COUNT  
IS TO START

BREAK

F>FIND-STRING(CR)

"?" MAY BE USED IN THE FIND-STRING  
AS A "WILD CARD" FOR LETTERS  
WHICH MAY CHANGE CASE OR FOR  
OTHER NON-CRITICAL CHARACTERS

THE COMMAND WILL FIND THE FIRST  
OCCURRENCE; TO FIND THE NEXT  
OCCURRENCE

BREAK

F(CR)

THE COMPUTER WILL "REMEMBER" THE  
FIND-STRING UNTIL YOU USE A  
NEW GLOBAL COMMAND

\* ----- TO GET A COUNT OF THE NUMBER OF  
OCCURRENCES OF THE STRING IN  
THE TEXT

CTRL R

(CR)

FOR UP TO 255 "FINDS"

BREAK

F>FIND-STRING(CR)

## HYPHENATION:

IMPORTANT NOTE: THE SCREEN WIDTH MUST BE SET 28  
 TO THE SAME LENGTH AS THE  
 LINES PRINTED ON HARDCOPY  
 \* ----- SUBTRACT LEFT MARGIN VALUE FROM  
 RIGHT MARGIN VALUE; CALL  
 THE DIFFERENCE THUS OBTAINED  
 "X" (USE IN SECOND LINE BELOW)

BREAK  
 W=X(CR) TO SET SCREEN LINE LENGTH EQUAL  
 TO PRINTED LINE LENGTH  
 ----- PUT THIS "X" VALUE IN A COMMENT  
 LINE AT TOP OF TEXT FOR  
 FUTURE REFERENCE

\* ----- POSITION CURSOR OVER FIRST SPACE  
 OR CHARACTER IN TEXT WHERE YOU  
 WANT HYPHENATION TO BEGIN

CTRL Q  
 - PRESS "HYPHEN" (MINUS SIGN) KEY  
 ----- NOW POSITION CURSOR OVER THE LINE  
 END MARKER (GRAPHIC BLOCK)  
 WHICH TERMINATES THE LAST LINE  
 IN WHICH YOU WANT HYPHENATION

CTRL Q  
 CTRL DN ARROW  
 BREAK  
 H(CR)  
 7(CR) ANY VALUE YOU DESIRE (5-8 SUGGESTED)  
 FOR THE "HOT ZONE" OR HYPHEN  
 RANGE

----- WHEN SCREEN DISPLAYS FIRST DECISION  
 POINT, USE ONE OF THE  
 FOLLOWING:

(CR) TO ABORT THIS HYPHEN  
 LEFT ARROW TO ADJUST HYPHEN POSITION  
 - TO ACCEPT HYPHEN (AT  
 POSITION TO LEFT  
 OF CURSOR)

```

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXX                                     XXX
XXX             HELP!   HELP!   HELP!   XXX
XXX                                     XXX
XXX   If anyone has a program, or programs, that   XXX
XXX   will print Santa Claus or Reindeer pictures, XXX
XXX   or other drawings, please contact Harry      XXX
XXX   Finkelstein at the meeting, or call 338-2658. XXX
XXX   This is needed for a group of brain damaged  XXX
XXX   children.                                     XXX
XXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

```

Application for membership in KINGS BYTE TRS-80 USERS GROUP

You don't have to live in Brooklyn to become a member.

NAME.....

ADDRESS.....

CITY.....STATE.....ZIP.....

Enclosed is fifteen dollars (\$15) for membership in  
KINGS BYTE TRS-80 USERS GROUP.

Make check payable to: KINGS BYTE COMPUTER CLUB.

Send this form (or copy) to:

TREASURER  
KINGS BYTE TRS-80 USERS GROUP  
c/o MORTY LIBOWITZ  
1063 EAST 84 STREET  
BROOKLYN, NY 11236

KINGS BYTE NEWSLETTER  
c/o MORTY LIBOWITZ  
1063 EAST 84 STREET  
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