



Kings Byte

The Kings County
TRS-80 Users Group

c/o MORTY LIBOWITZ
1063 EAST 84 STREET
BROOKLYN, NY 11236
(212) 763-4233

DECEMBER 1981

KINGS BYTE NEWSLETTER

VOLUME 1 NUMBER 7

KINGS BYTE OFFICERS

President: Steve Abramowitz
Vice President: Kal Bergen
Treasurer: Sid Epstein
Secretary: Bernie Warren
Official Contact: Morty Libowitz

Editor: B. Warren
Arts Editor: Al Hartman
Technical Editor: Kal Bergen

PRINTING: MIDWOOD LEAGUE FOR THE
LEARNING DISABLED - A
SUBSIDIARY OF VIP FOUNDATION

AREA TRS-80 USER GROUPS

CLUB	TRS-80 GROUP	CONTACT
METRO	TRUG	BARRY KORNFELD (212)675-3831
LICA	LITRUG	FRED KEMPLER (212)229-4040 EXT 6753

AREA TRS-80 BULLETIN BOARDS

BRIAN BOYLE'S B B	(212)933-9459	PROG UNLIMITED	(516)334-3134
MODEM OVER MANHATTAN	(212)245-4363	INNOVATION 80	(516)482-8491
CONNECTION 80 QUEENS	(212)441-3755	CONNECTION 80 HQ	(516)588-5836
COMM 80	(212)897-3392	PHOTO 80	(201)790-6795
CONNECTION 80 MANHATTAN	(212)991-1664	FORUM 80	(201)688-7117
MORNINGSIDE MODEM	(212)866-3526	COMMUNIQUE 80	(201)992-4847
SISTER STATEN ISLAND	(212)442-3874	BULLET 80	(203)744-4644
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 BAM (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

=====

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

=====

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 received 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

=====

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

=====

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 CTRL F	DELETES BLANKS WHICH SCRIPTSIT INSERTS AT END OF TEXT	9,21

DELETING TEXT:

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

DELETING ENTIRE TEXT FROM MEMORY:

USE CAUTION --

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

DELETING A BLOCK:

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

```

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXX
XXX          HELP!    HELP!    HELP!          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
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

```

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
BROOKLYN, NY 11236

FIRST CLASS MAIL

FIRST CLASS MAIL