This program will save a set of characters stored in the graphics RAM or will load them back from cassette.

The program uses 2K of user RAM for temporary storage (from B#00 to 3BFF) of the character bytes. Hence NEW should be typed before entering this program to allocate enough memory for the program plus character data storage.

Using the Program

- Enter the program from the listing and save it on cassette tape
- To save characters you have previously created or modified 21 in the graphics RAM.

(a) type RJN 2000

- (h) the screen will clear; the top line will display numbers from 0 to 127 as the characters are read from the graphics RAM and put into the area B400 to BBF?
- (c) when 127 is reached, a Filename will be requested. Proceed as you would for a Basic save
- (d) The Basic program plus the data will be saved on tape
- To load characters already saved on tape

(a) LOAD as with a normal Basic load

(b) After loading, type RUN 3000

- (c) The screen will clear; the top line will display numbers 0 to 127 as the characters are written to the graphics RAM.
- (d) When finished, programs may now be entered using the graphics characters

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CTRL G - turns on graphics characters

- SAVE finish at \$BCCC

C - turns off graphics

Type RETURN immediately afterwards, ignore ERR 4

Program Comments

LINES	FUNCTION
2010	- CHR(25), CHR(N) reads 16 bytes from the graphics RAM
2040 - 2060	- the 16 bytes are placed in RAM starting at ${\tt B400}$
2080 - 2082	- enters a machine language routine starting at 3C80 which jumps to the cassette save routine

LINES PUNCTION

2086 - SAVE start at \$B171

2090 - jumps to monitor save routine

3010 - CHR(27), CHR(N) prepares to write 16 bytes to graphics FAM

3030 - 3060 - 16 bytes are written to graphics RAM for each of 127 characters

2000 CLS:LINES 1: REM SAVE 128 CHAR 2010 FOR N=0 TU 127: PRINTC10, 01, N, CHR (25), CHR (N), 2030 FOR Y=0 TO 15 2040 0=PELIC(\$BDQ0+Y) 2050 POKE (\$8400+Y+N*16),Q 2060 NEXT Y:NEXT N:LINES 16 7080 POKE \$1080.\$65:POKE \$BC81,\$9F 2082 POKE 4DC82, 4F8: POKE \$BC83, \$08 2084 PORE \$EDE4, \$BC: POKE \$BDE5, \$00 2086 POKE #PDE2, #B1: POKE #BDE3, #71 2090 X=USR (\$BC80): END 2100 REM 3000 CLS:LINES 1:REM LOAD 128 CHAR 3010 FOR N=C TO 127: FRINTE1C, 01, N, CHR(127), CHR(N), 3030 FDR Y=0 TD 15 3040 C=PHEK(\$B400+Y+N*16) 3050 PRINT CHR(C). 3050 NEXT Y:NEXT N:LINES 16:END