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80 REM Screen transfer utility, S
pectrum to CPC464
90 REM Copyright J. Keneally
100 BORDER 0:MEMORY 18000:CALL &BBF
F:CALL &BB4E:REM reset screen
110 ldscreen=39755:attr=40003:fulls
c=&9CE3
120 xcoord=40000:ycoord=40002:REM x
& y for code routines.
130 GOSUB 500: REM Load code
140 amdad=&C000:spdad=32768:REM CPC
464 and Spectrum screen addresses.
150 INK 1,13:INK 0,1:PAPER 0:PEN 1:
CLS:PRINT"Load SPECTRUM screen dump
, press a key"
160 IF INKEY$="" THEN 160
170 CALL ldscreen,spdad
180 ON ERROR GOTO 1110:MODE 0:WINDO
W #1,1,20,25,25:PEN#1,7:PAPER#1,0
190 RESTORE 200:FOR i%=0 TO 15:READ
j%:INK i%,j%:NEXT:REM Set up inks
0 to 15
200 DATA 0,1,9,10,3,4,12,13,0,2,18,
20,6,8,24,26
210 PRINT#1,"F,W,I, or S";:REM Remi
nd user of commands.
220 a$=INKEY$:IF a$="" THEN 220
230 a$=UPPER$(a$):IF a$="F" THEN 36
0
240 IF a$="W" THEN 380
250 IF a$="I" THEN 330
260 IF a$(">")="S" THEN 220
270 REM ****Screen Save Segment****
280 CLS#1:PRINT#1,"Load tape, hit k
ey";
290 IF INKEY$(">")="" THEN 290
300 IF INKEY$="" THEN 300
310 CLS#1:PRINT#1,"Saving...";
320 SAVE"!pict",b,amdad,16384:CLS#1
:GOTO 210

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330 REM ***** Change inks segment**
***
340 CLS#1:INPUT#1,"Ink no. ";:nink%:
CLS#1
350 INPUT#1,"Colour no. ";:col%:CLS#
1:INK nink%,col%:GOTO 210
360 REM ****Compress Spectrum onto
CPC464****
370 CALL fullsc:GOTO 220:REM All do
ne in machine-code
380 REM ****Frame out part of Spec
trum screen****
390 CLS#1:INPUT#1,"Offset? 0-96";:of
fset:screenbase=amdad:screenadr=scre
enbase:CLS#1
400 IF (offset<0) OR (offset>96) TH
EN 390
410 FOR y%=191 TO 0 STEP -1:POKE xc
oord,offset:POKE ycoord,y%
420 FOR x%=offset TO offset+159 STE
P 2
430 IF INKEY$=" " THEN ERROR 17: RE
M if SPACE pressed, abort
440 pap%=0:nink%=0:pixel%=0:CALL at
tr,@pixel%,@pap%,@nink%:col%=pap%:I
F pixel%(">")0 THEN col%=nink%
450 CALL attr,@pixel%,@pap%,@nink%:
col2%=pap%:IF pixel%(">")0 THEN col2%=
nink%
460 POKE screenadr,2*col%+col2%:scr
eenadr=screenadr+1:NEXT
470 IF (y% MOD 8)=0 THEN screenbase
=screenbase+80:screenadr=screenbase
:GOTO 490
480 screenadr=screenadr+2048-80
490 NEXT:CLS#1:GOTO 210
500 REM Load machine-code segments.
510 REM First the code to read SPEC
TRUM
520 REM format dumps into the CPC46
4.

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530 REM This is used by doing:-
540 REM CALL 39755,address (where a
ddress
550 REM is the required load address)
560 REM See for example Basic line
20
570 REM ANY Spectrum code dump can
be read,
580 REM not just screen dumps.
590 RESTORE 670:address=39750:GOSUB
620
600 REM Now the code for decoding t
he Spectrum screen
610 RESTORE 850:address=40000:GOSUB
620:RETURN
620 REM Load code with checks
630 code=0:checksum=0
640 WHILE code>=0:READ code:POKE ad
dress,ABS(code):address=address+1:c
hecksum=checksum+code:WEND
650 IF code=-2 THEN READ check,lno:
IF check<>checksum THEN CLS:PRINT"E
rror in line ";lno:STOP: ELSE addre
ss=address-1:GOTO 630
660 RETURN
670 DATA 0,0,0,0,0,-2,-2,1500
680 DATA 205,110,188,243,221,126,0,
50,70,155,221,126,1,50,-2,1764,1510
690 DATA 71,155,217,197,1,0,245,217
,8,245,8,62,0,50,74,155,-2,1703,152
0
700 DATA 221,42,70,155,17,17,0,62,0
,205,154,155,48,28,221,42,-2,1435,1
530
710 DATA 70,155,221,94,11,221,86,12
,62,255,205,154,155,48,11,8,241,-2,
2007,1540
720 DATA 8,217,193,217,205,113,188,
251,201,62,1,50,74,155,24,238,20,8,
21,-2,2244,1550

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730 DATA 62,0,31,31,230,32,79,191,0
,205,33,156,48,250,33,21,-2,1400,15
60
740 DATA 4,16,254,43,124,181,32,249
,205,29,156,48,235,6,142,-2,1722,15
70
750 DATA 205,29,156,48,228,62,190,1
84,48,224,36,32,241,6,194,-2,1881,1
580
760 DATA 205,33,156,48,213,120,254,
206,48,244,205,33,156,208,-2,2127,1
590
770 DATA 121,230,255,79,38,0,6,165,
24,31,8,32,7,0,0,221,117,-2,1332,16
00
780 DATA 0,24,15,203,17,173,192,121
,31,79,19,24,7,221,126,0,173,-2,142
3,1610
790 DATA 192,221,35,27,8,6,167,46,1
,205,29,156,208,62,196,184,-2,1741,
1620
800 DATA 203,21,6,165,210,4,156,124
,173,103,122,179,32,202,-2,1698,163
0
810 DATA 124,254,1,201,205,33,156,2
08,62,25,61,32,253,167,-2,1780,1640
820 DATA 4,200,217,237,120,217,31,3
1,169,230,32,40,243,121,47,-2,1937,
1650
830 DATA 79,230,7,246,8,55,201,-2,8
24,1660
840 DATA -1
850 REM Code for screen transfer.
860 DATA 0,0,0,58,66,156,71,62,191,
144,230,248,-2,1224,1802
870 DATA 111,38,0,84,41,41,58,64,15
6,60,50,64,-2,765,1804
880 DATA 156,61,31,31,31,230,31,95,
25,17,0,152,-2,858,1806
890 DATA 25,126,230,7,79,126,31,31,
31,230,7,71,-2,992,1808

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900 DATA 203,118,40,8,62,8,129,79,6
2,8,128,71,-2,914,1810
910 DATA 121,205,203,156,120,221,35
,221,35,205,203,156,-2,1879,1812
920 DATA 33,66,156,62,191,150,79,23
0,7,87,121,31,-2,1211,1814
930 DATA 31,31,230,31,71,230,24,130
,87,120,230,7,-2,1220,1816
940 DATA 23,23,23,23,23,95,43,43,12
6,61,71,31,-2,583,1818
950 DATA 31,31,230,31,131,95,120,23
0,7,60,71,33,-2,1068,1820
960 DATA 0,128,25,126,23,5,32,252,6
2,0,143,221,-2,1015,1822
970 DATA 110,2,221,102,3,119,201,14
,0,30,4,31,-2,835,1824
980 DATA 203,17,167,203,17,29,32,24
7,167,203,25,221,-2,1529,1826
990 DATA 110,0,221,102,1,113,201,33
,0,192,93,84,-2,1148,1828
1000 DATA 62,191,50,66,156,175,50,6
4,156,221,33,58,-2,1280,1830
1010 DATA 157,229,213,205,67,156,20
5,68,157,135,221,119,-2,1930,1832
1020 DATA 6,205,67,156,205,68,157,2
21,134,6,33,64,-2,1320,1834
1030 DATA 156,52,209,225,18,19,58,6
4,156,254,238,56,-2,1503,1836
1040 DATA 216,58,66,156,230,7,40,18
,235,1,176,7,-2,1208,1838
1050 DATA 9,235,1,66,156,10,214,1,2
,210,237,156,-2,1295,1840
1060 DATA 251,201,1,80,0,9,93,84,24
,236,65,157,-2,1199,1842
1070 DATA 66,157,67,157,0,0,0,0,221
,33,65,157,-2,921,1844
1080 DATA 221,78,0,221,70,1,221,126
,2,167,40,1,-2,1146,1846
1090 DATA 65,120,221,33,58,157,201,
-2,853,1848
1100 DATA -1,0,0
1110 RESUME 210

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