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10 REM *** MAGNETIC CHARACTERS ***
20 REM
30 REM *** by Sigma Service ***
40 REM
50 REM:Computing with the Astrad
60 IF WORD=24418 THEN INPUT "Press 0
  for disk"Y$;IF Y$="0" OR Y$="?" THEN
  GOTO 40000:GOTO 40000
70 IF WORD=24418 THEN GOTO 110:REM a
  line return
80 IF WORD=41943 THEN GOTO 41111 E
  LSE GOTO 44000:REM a tape or disk
90 SYMBOL AFTER ENTER this downloads
  character set into ram at 41148 or 4
  44000:GOTO
100 MEMORY 14400:REM a reserve memory
  for screen dump and disk drive =
110 GOTO 100:REM a load machine cod
  e for memory dump =
120 REM =====

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130 GOTO 110:REM demonstration, read
  me for fast access to program
140 CLS:Y=200:Y1=1:Y2=40:Y3=21
150 LOCATE 18,18:INPUT 40,"Load chara
  cter set Y$"Y$;IF Y$="Y" OR Y$="?"
  THEN GOTO 140
160 CLS
170 LOCATE 9,12:INPUT "Easytran code
  = Y$"Y$
180 IF Y$="Y" OR Y$="?" THEN GOTO 4
  40000:GOTO 40000
190 CLS
200 REM a screen format =
210 LOCATE 9,12:INPUT "Enter code 0
  1 or 2"screenmode;IF screenmode=0
  OR GOTO 210
220 MODE screenmode
230 IF Y$="0" OR Y$="?" THEN GOTO 510
  :REM return to question
240 IF screenmode=2 THEN screenmode=4

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  screenmode=1:GOTO 140
250 IF screenmode=0 THEN screenmode=2
  screenmode=1:GOTO 140
260 IF screenmode=0 THEN screenmode=1
  screenmode=1:GOTO 140
270 GOTO 40,1,2:screenmode,24,25
280 ON WORD LEFT,button,LEFT,440,440,b
  utton
290 IF 440 THEN GOTO 514,0,2:GOTO 514
  ,250,2:GOTO 0,250,2:GOTO 0,0,2
300 PRINT GOTO 11
310 WHILE 1
320 CLS 40
330 LOCATE 40,1,1:INPUT 40,"Download
  screen Y$"Y$;IF Y$="Y" OR Y$="?" THEN
  GOTO 140:GOTO 140
340 CLS 40:LOCATE 40,1,1:PRINT "Type
  in word"
350 GOTO 140
360 ON WORD GOTO 140

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CALL word=0
DO WHILE word=0
  DO letter=CHAR(1) OF letter= "" THEN
    GO TO 300
  DO IF (INDEX(11)=1) THEN GO TO 300
  DO IF (INDEX(11)=0) THEN SOUND 1,110,10
    +SOUND 1700
  DO IF (INDEX(11)=0) THEN word=letter
    +SOUND 40000 wait until Enter is
    released then finish
  DO IF (INDEX(11)=0) THEN 1=110+length
    +1=LEFT(1,length,1)-1;letter="" ;LOCATE
    00,1,1;PRINT 00,SPACE(20);
  DO IF letter=1 THEN 1=length+1;let
    ter=letter=""
  DO LOCATE 00,1,1;PRINT 00,1
  DO IF 1=length THEN GO TO 11000 goto
    options
  DO word=word+1
  DO SOUND 11000 if word position ch

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100 BY CURSOR 4
110 GOON AGAINON check length give a
    application options
120 GOON AGAINON read string and do
    a simplified
130 blocksize:=round(
140 CLS RELOCATE 80,1,1;INPUT 80,"%s
    other word 1/0 or 0 to delete word";
150 IF yr="1" OR yr="0" THEN GOON 4100
160 IN repeat loop
170 IF yr="1" OR yr="0" THEN operators
    p:=abs(p)+GOON 8000;IF abs(p)=1. THE
    n:=abs(n)+yr*abs(p)+GOON 8000;abs(n)
    withIN repeat
180 IF yr="0" OR yr="0" THEN GOON 310
190 return to question
200 CLS RELOCATE 80,1,1;INPUT 80,"%s
    re screen 1/0 or 1 character same";
210 IF yr="1" OR yr="0" THEN GOON 1000
220 IF yr="0" OR yr="0" THEN GOON 20

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510 CLS RELOCATE 40,1,1:INPUT 40,"C
for screen 1.0 or 2 to redefine ypr
IF ypr="1" OR ypr="2" THEN CLS
520 IF ypr="1" OR ypr="2" THEN GOTO 11
60
530 IF 40 THEN DRAW 574,0,3:DRAW 574
,338,3:DRAW 0,338,3:DRAW 0,0,3
540 CLS RELOCATE 40,1,1:INPUT 40,"L
ad to screen 1.0 2 for characters"y
IF ypr="1" OR ypr="2" THEN GOTO 2000
550 IF ypr="1" OR ypr="2" THEN GOTO 11
60
610 a1:=pwr(10,shadow/10)
620 FOR #:= magnification options #
630 length:=10*length
640 a1:=a1+1-1/a1-1
650 a1:=a1+a1*a1/length/10
660 IF a1>length/10 THEN a1:=a1+10
GOTO 630

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1050 GOSUB 520:REM = background letter
in =
1060 string$=string$(randomize)
1070 RETURN
1080 REM = save screen to memory +
1090 SOUND 1,100,20:MOVE 0,0
1100 CLS 00
1110 IF w=1 THEN SOUND 574,0,5:WAIT 57
4,150,3:WAIT 0,150,3:WAIT 0,0,3
1120 GOTO 1040:1 REM w/c code memory
loop
1130 GOTO 1040:REM swap back to save
on to check
1140 LOCATE 00,1,1:INPUT 00,"Save any
any Y/N?y/N IF y=N?" OR y=N?" THEN
GOTO 1070
1150 CLS 00
1160 RETURN
1170 REM = save screen to tape or disc
+ +
1180 OPEN WRITE :
1190 CLS 00:LOCATE 00,1,1:PRINT 00,"
save print name?INPUT name$
1200 SAVE name$,A$P75,1:GOTO
1210 RETURN
1220 REM == load to memory from tape
or disc ==
1230 CLS 00:LOCATE 00,1,1:INPUT 00,"
load?input$
1240 LOAD input$,A$P75
1250 RETURN
1260 REM == machine code for screen
loop ==
1270 FOR w=(A$C1) TO 34500
1280 GOTO +
1290 POKE w,1
1300 NEXT w
1310 RETURN
1320 DATA 1,0,04,33,0,193,17,117,95,3
57,176,201
1330 DATA 1,0,04,33,117,95,17,0,193,2
57,176,201
1340 REM = load character set =
1350 CLS 00:LOCATE 00,1,1:INPUT 00,"
char. files name?input$
1360 IF LEN(input$) THEN GOTO 1300
1370 GOTO 1310:topscreen=1
1380 RETURN
1390 REM == Demonstration of use wit
hin our program ==
1400 MODE 80col:topscreen=(250:RANDOM 0,10,
0,140,000,11:randomize)
1410 GOTO 1300:topscreen=1:topscreen=top
screen+10000:topscreen=250:REM = draw
snake + in yellow +
1420 GOTO 1300:topscreen=1:topscreen=top
screen+10000:topscreen=250:REM =
background

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1430 GOTO 1300:topscreen=1:topscreen=top
screen+10000:topscreen=250:REM =
background
1440 randomize:REM turn of special co
lor
1450 GOTO 1300:topscreen=1:topscreen=top
screen+10000:REM
1460 GOTO 1300:topscreen=1:topscreen=top
screen+10000:REM
1470 FOR w=1 TO 250:WAIT
1480 GOTO 1
1490 RETURN
1500 REM == single character redefine
+ ==
1510 CLS 00:LOCATE 00,1,1:INPUT 00,"
define character Y/N?y/N IF y=N?"
OR y=N?" THEN GOTO 1530 ELSE RETURN
1520 FOR definition TO 0
1530 CLS 00:LOCATE 00,1,1:PRINT 00,"
under "definition" Y/N?Y/N 00,1:00
1540 IF y=N?" OR y=N?" THEN GOTO
1550
1560 IF LEN(input$) THEN GOTO 1530
1570 IF ASCII(input$) OR ASCII(input$)
THEN GOTO 1530
1580 GOTO 1530:input$=IF ASCII THEN 00
TO 1530
1590 POKE topscreen+define,00
1600 NEXT
1610 CLS 00:INPUT 00," Y/N?y/N IF y=N?"
OR y=N?" THEN GOTO 1610 ELSE GOTO
0:2500
1620 CLS 00:INPUT 00,"Enter COM:load
or?screen
1630 IF ASCII(025) OR ASCII(03) THEN 00
TO 1610
1640 screenscreen=0
1650 FOR w=1 TO 0
1660 load=PEEK(topscreen)

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1670 POKE topscreen+screen+0=0,load
1680 NEXT
1690 REM clear space char 33
1700 FOR w=1 TO 0
1710 POKE topscreen+0
1720 NEXT
1730 CALL 0000
1740 CLS 00:INPUT "enter Y/N?y/N IF
y=N?" OR y=N?" THEN GOTO 1740:REM
repeat redefine
1750 RETURN
1760 REM = save character files +
1770 CLS 00:LOCATE 00,1,1:INPUT 00,"
are characters Y/N?y/N IF y=N?" OR y
=N?" THEN GOTO 1770 ELSE RETURN
1780 CLS 00:LOCATE 00,1,1:INPUT 00,"
file name?charfile$
1790 IF LEN(charfile$) THEN GOTO 18
70
1800 CLS 00
1810 OPEN WRITE :
1820 SAVE charfile$,A,topscreen,1795
1830 CALL 0000
1840 RETURN

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