

Before there were any Video Games

[illegible]

Before there were any Video Games

1970

1971

1972

1973

1974

1975

1976

1977

1978

1979



1970

1971



1973

1974



1976



1977



1978



1979



1970

1971



1972

1973

1974



1975



1976



1977



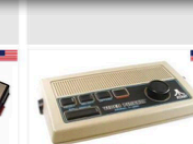
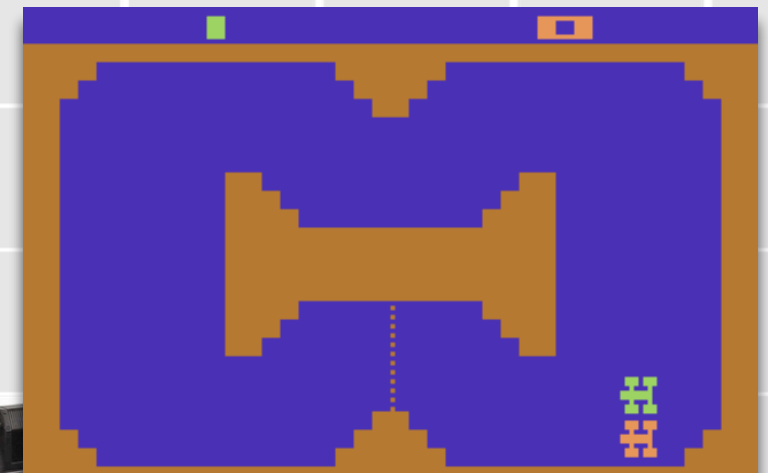
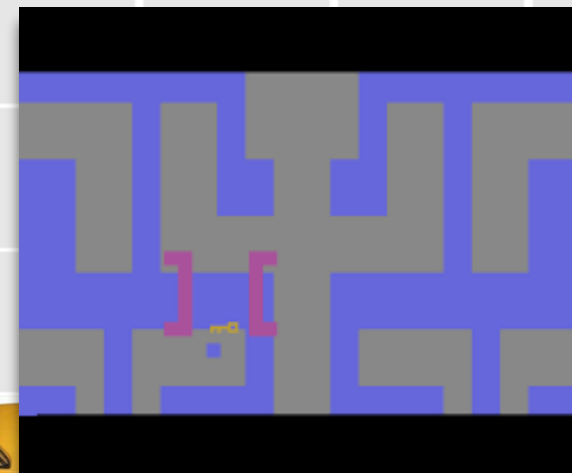
1978



1979



ATARI Video Computer System



1970

1971



1972

1973

1974

1975



1976



1977



1978



1979



1970

1971



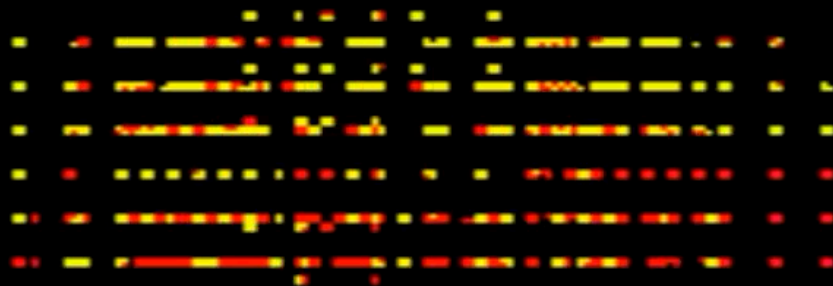
1973

1974



MAMEPLAYER

Delaney
ELECTRONICS INC.
PRESENTS



1970

1971

1972

1973

1974

1975

1976

1977

1978

1979



MAGNAVOX
ODYSSEY



ATARI PONG



CHANNEL F



ATARI
VIDEO COMPUTER SYSTEM



MAGNAVOX
ODYSSEY



ATARI 400XL
HOME COMPUTER



TELE-GAMES PONG



RCA Studio II
Home TV Programmer



Coleco TELEVISION



Videocode



ATARI 800XL
HOME COMPUTER



Microvision



TI-99
TEXAS INSTRUMENTS
HOME COMPUTER



Nintendo
COLOR TV-BLOCK BUSTERS



SPACE INVADERS



DEFENDER



VIDEO COMPUTER SYSTEM



SPACE INVADERS



DEFENDER



ATARI
VIDEO PINBALL



MATTEL ELECTRONICS
HAND HELD GAMES

1970

1971



1972

1973

1974



1975



1976



1977



1978























































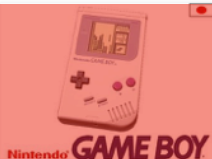
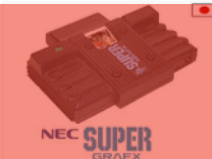
1979










1980	 MATTTEL ELECTRONICS INTELLIVISION	 Nintendo Computer TV-GAME	 Nintendo GAME & WATCH	 EPOCH CASSETTE VISION							
1981	 Commodore VIC-20	 IBM PC.	 sinclair ZX81	 EPOCH CASSETTE VISION	 PHILIPS VIDIEOPAC G7200	 BBC MICRO					
1982	 ATARI Super System	 ATARI Video Computer System	 COLECO COLECOVISION	 COLECO ELECTRONIC TABLETOP GAMES	 COLECO GEMINI VIDEO GAME SYSTEM	 MATTTEL ELECTRONICS INTELLIVISION II	 Votrox ARCADE SYSTEM	 Commodore 64 Home Computer System	 Emerson ADVENTUREVISION	 ARCADIA-2001 Emerson	 sinclair ZX Spectrum
1983	 COLECO ADAM FAMILY COMPUTER SYSTEM	 MATTTEL ELECTRONICS AQUARIUS HOME COMPUTER SYSTEM	 apple IIa Home Computer	 Nintendo FAMILY COMPUTER	 SEGA SG-1000 Computer Video Game	 ATARI JAPANESE 2600 SYSTEM	 PHILIPS VIDIEOPAC G7400	 ORIC-1 Micro Computer	 SONY MSX	 sinclair ZX Spectrum	
1984	 Apple Macintosh	 SEGA SG-1000 Computer Video Game	 EPOCH Super Carrette Vision	 ORIC ATMOS	 AMSTRAD CPC 464	 AMSTRAD CPC 664					
1985	 Nintendo ENTERTAINMENT SYSTEM	 ATARI ST HOME COMPUTER	 Commodore AMIGA	 MATTTEL ELECTRONICS INTV System III	 SEGA MARK III Computer Video Game	 sinclair Spectrum+	 AMSTRAD CPC 6128				
1986	 ATARI 2600 Junior.	 SEGA Master System	 ATARI 7800 ProSystem	 Nintendo FAMILY COMPUTER DISK SYSTEM	 SHARP twin FAMICOM FAMICOM-DISK SYSTEM COMBO	 sinclair ZX Spectrum+2					
1987	 ATARI XE VIDEO GAME SYSTEM	 Commodore AMIGA A500	 sinclair ZX Spectrum+3	 NEC PC Engine							
1988	 NEC PC Engine	 SEGA MEGA DRIVE									
1989	 ATARI LYNX	 SEGA GENESIS	 NEC TURBOGRAFX-16	 Nintendo GAME BOY	 NEC SUPER GRAFX						

Explosion of Programmable Game Computers!

1980											
1981											
1982											
1983											
1984											
1985											
1986											
1987											
1988											
1989											

NON-PROGRAMMABLE ●





















































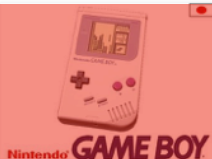
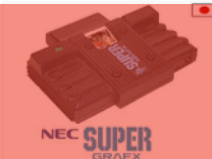
No More Programmable Game Computers!

1990										
1991										
1992										
1993										
1994										
1995										
1996										
1997										
1998										
1999										

NON-PROGRAMMABLE



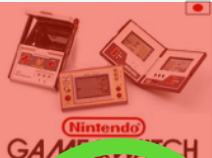

























































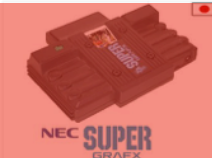


Explosion of Programmable Game Computers!

1980											
1981											
1982											
1983											
1984											
1985											
1986											
1987											
1988											
1989											

NON-PROGRAMMABLE ●

Mostly British!

1980																			
1981																			
1982																			
1983																			
1984																			
1985																			
1986																			
1987																			
1988																			
1989																			

NON-PROGRAMMABLE ●

UK ○

My first computer WOW Moment

1980					
1981					
1982					
1983					
1984					
1985					
1986					
1987					
1988					
1989					

WHAT IS YOUR NAME?

“CHRIS”

WHAT YEAR WERE YOU BORN?

“1966”

HI CHRIS, YOU ARE 14 YEARS OLD,
HOW ARE YOU DOING?

NON-PROGRAMMABLE



UK



1980

1981

1982

1983

1984

1985

1986

1987

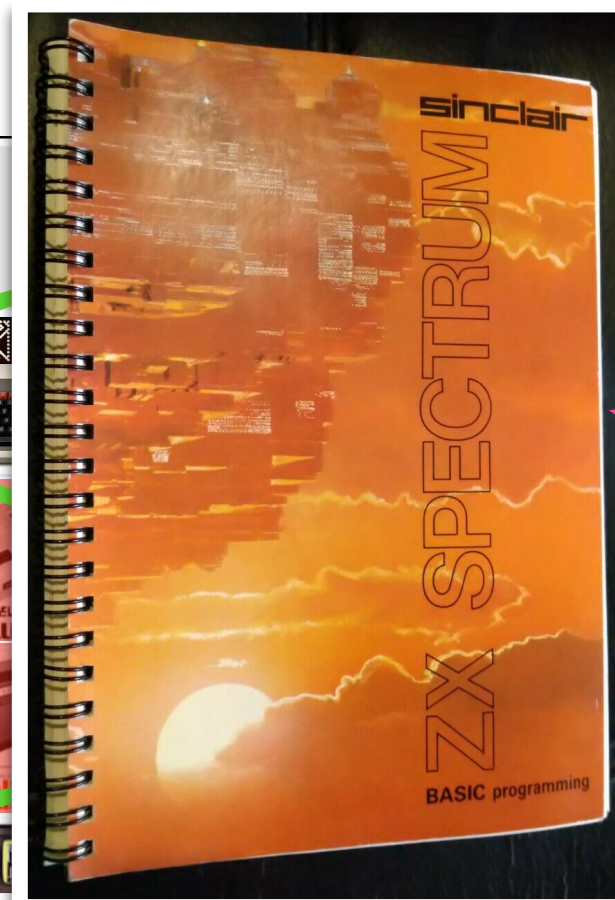
1988

1989



**TAPE
RECORDER!**

1980	 INTEL ELECTRONICS INTELLIVISION	 Nintendo Computer TV-GAME	 Nintendo GAME BOY	
1981	 Commodore VIC-20	 IBM PC.	 Sinclair ZX81	
1982	 ATARI Super System	 ATARI Video Computer System	 COLECO COLECOVISION	
1983	 COLECO ADAM FAMILY COMPUTER SYSTEM	 INTEL ELECTRONICS AQUARIUS HOME COMPUTER SYSTEM	 apple IIa Home Computer	
1984	 apple Macintosh	 SEGA SG-1000 Computer Video Game	 Epoch Super Cassette Vision	
1985	 Nintendo ENTERTAINMENT SYSTEM	 ATARI ST HOME COMPUTER	 Commodore AMIGA	
1986	 ATARI Junior.	 SEGA Master System	 ATARI 7800 Pro System	
1987	 ATARI XE VIDEO GAME SYSTEM	 Commodore AMIGA A500	 sinclair Spectrum+3	
1988	 NEC PC Engine CD-ROM	 SEGA MEGA DRIVE		
1989	 ATARI LYNX	 SEGA GENESIS	 NEC TURBOGRAFX-16	



```

100 REM FACTORIAL 0.2
110 PRINT "PLEASE ENTER A NUMBE
R"
120 PRINT "LESS THAN 16"
130 INPUT I
140 PRINT I;" FACTORIAL ="
150 PRINT "1";
160 LET R=2
170 LET F=1
180 GOSUB 1000
190 PRINT
200 PRINT "= ";F
210 STOP
1000 REM RECURSIVE SUBROUTINE
1010 IF R=(I+1) THEN RETURN
1020 PRINT " X ";R;
1030 LET F=F*R
1040 LET R=R+1
1050 GOSUB 1000
1060 RETURN

```

0/0

NON-PROG

School Yard Craze

READING SCHOOL MAGAZINE

It has been a busy term for all involved—there has been hardly a minute when the machines have not been in use. All computer activities outside normal lessons come under the general aegis of the club. Whilst it is not possible to please all of the people all of the time, N.R.F. has tried to organise things to suit most demands:

Beginners meet on Wednesday lunchtime and after School.

Accomplished programmers (Years 1-5) meet on Monday after School. Senior programmers may book time during Private Study periods and at other times.

All are welcome to join in activities and should ask if uncertain. It is surprising how quickly you can get started.

The new keyboard for the 3K ZX81 is now working well and a similar one has been purchased for the 16K ZX81. The 380Z will have been serviced over Christmas. We have just acquired "Cos" and "Machine Language" manuals which are available on request.

We would like to express our thanks for the money made available to keep this club running and look forward to further expansion during the year.
A. Schofield, M. N. Rutter, N.R.F.

CHEMISTRY COMPUTING COMPETITION

Although the number of entries was small, the quality of the programs submitted was high. The winner was A. McKecknie (6 J.B.) for a most original program to determine the nature of an unknown compound from the results of certain experiments asked for by the computer. It was closely related to the "O"-level practical syllabus and designed to run on the 380Z machine. A special prize was awarded to J. A. W. Reid (5 S.H.) for the program reproduced below, which runs on an unexpanded 1K ZX81 machine.

J.M.H.

Program to determine the empirical formula of a compound from its percentage composition, for a 1K ZX81, by J. A. W. Reid.

```

5  Let L = 999
10 CLS
20 Print "How many elements"
30 Input E
40 Print "Enter data"
50 Dim R (E)
60 Dim P (E)
70 Dim S $ (E, 2)
80 Print "Element"; Tab 10; "R.A.M."; Tab 18; "Perc. Comp."
90 For Q = 1 to E
100 Input S $ (Q)
110 Input R (Q)
120 Input P (Q)
130 Print S $ (Q); Tab 10; R (Q); Tab 18; P (Q)

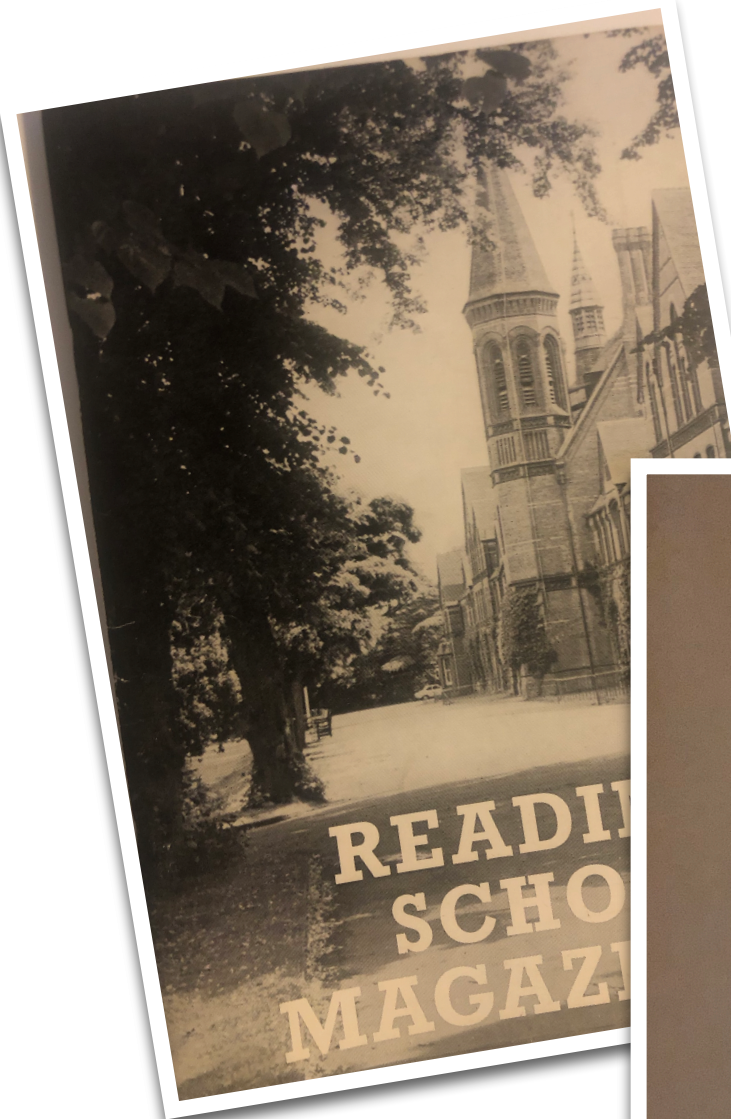
```

```

140 Let P (Q) = P (Q)/R (Q)
150 If P (Q) < L then let L = P (Q)
160 Next Q
170 For F = 1 to E
180 Print S $ (F); " ("; Int (P (F)/L x 100)/100; ")"
190 Next F
200 Input E $
210 Go to (5 and E $ = "Y") + (230 and E $ = "N")
220 Copy

```


School Yard Craze



It has been a busy term for all involved—there has been hardly a minute when the machines have not been in use. All computer activities outside normal lessons come under the general aegis of the club. Whilst it is not possible to please all of the people all of the time, N.R.F. has tried to organise things to suit most demands:

Beginners meet on Wednesday lunchtime and after School.

Accomplished programmers (Years 1-5) meet on Monday after School. Senior programmers may book time during Private Study periods and at other times.

All are welcome to join in activities and should ask if uncertain. It is surprising how quickly you can get started.

The new keyboard for the 3K ZX81 is now working well and a similar one has been purchased for the 16K ZX81. The 380Z will have been serviced over Christmas. We have just acquired "Cos" and "Machine Language"

SPECTRUM CLUB

The summer term saw membership soaring to over thirty, although meetings were sporadic due to the combined intrusions of examinations and remission. A rota has been established and five people take it in turns to bring in their computers, allowing us to demonstrate programs and games on the lecture room television.

There is still room for increased numbers—all ZX Spectrum owners are invited to attend. We meet in the lecture room, after school on Fridays.

Thanks go to Mr. Toone and Mr. Bacon for their invaluable help.

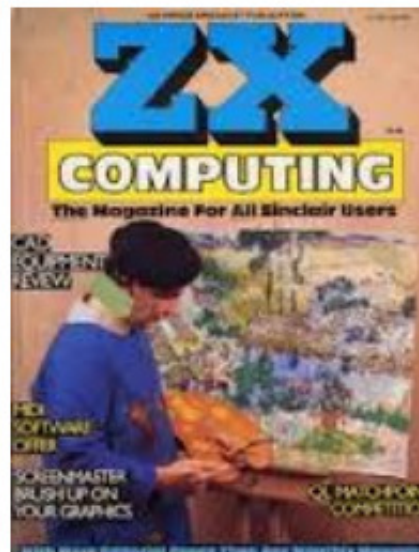
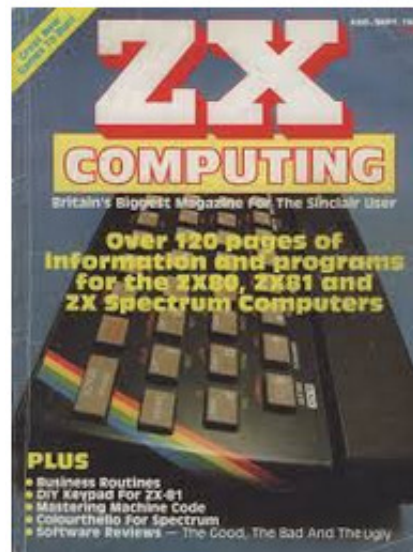
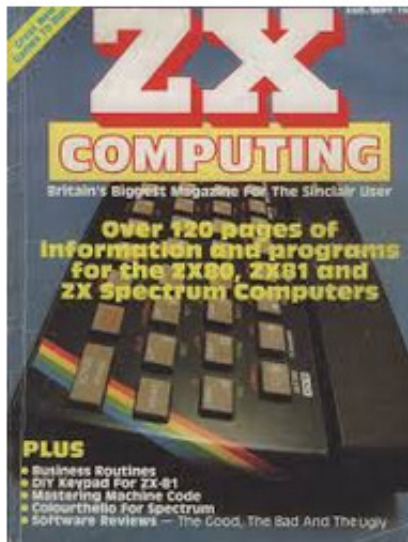
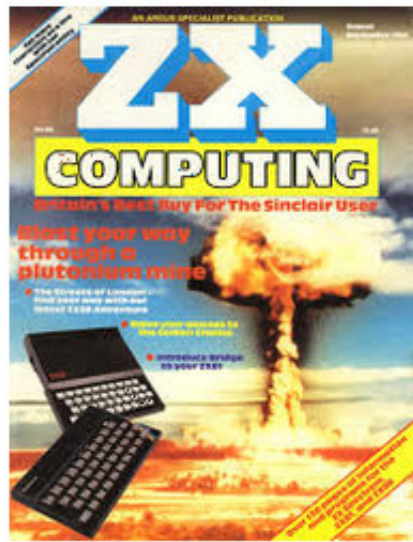
James Reid, Chris Gibbs

```
110 Input R (Q)
120 Input P (Q)
130 Print S $ (Q); Tab 10; R (Q); Tab 18; P (Q)
```

28

```
140 Let P (Q) = P (Q)/R (Q)
150 If P (Q) < L then let L = P (Q)
160 Next Q
170 For F = 1 To E
180 Print S $ (F); "("; Int (P (F)/L x 100)/100; ")"
190 Next F
200 Input E $
210 Go to (5 and E $ = "Y") + (230 and E $ = "N")
220 Copy
```

J.M.H.



First Published Game!

16K SPECTRUM GAME

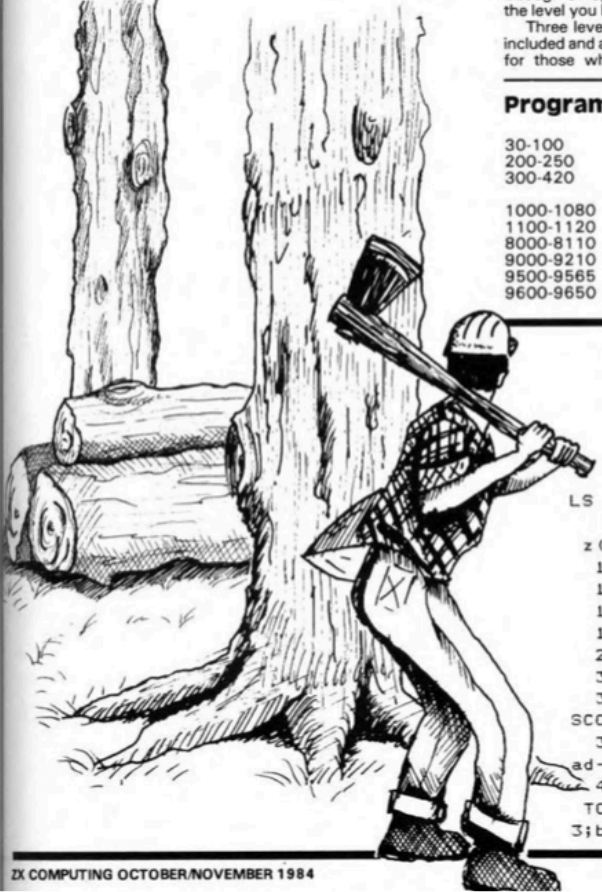
Log Hop

Would be Lumberjack Christopher Gibbs sent us this challenging program from Reading Forest.

A program which is as addictive as this and yet written in BASIC is a rare thing indeed, Christopher has created a game which is not only fast but fits in to 16K with room for titles as well! As can be inferred from the title, the game involves jumping over logs and up through gaps to reach the rings at the top of the screen.

You control a running man with keys 5 and 8 for left and right movement and key 0 to jump. If you jump and miss the hole above you, you will be rendered unconscious for a short period of time and may fall through an approaching gap in the level you have reached.

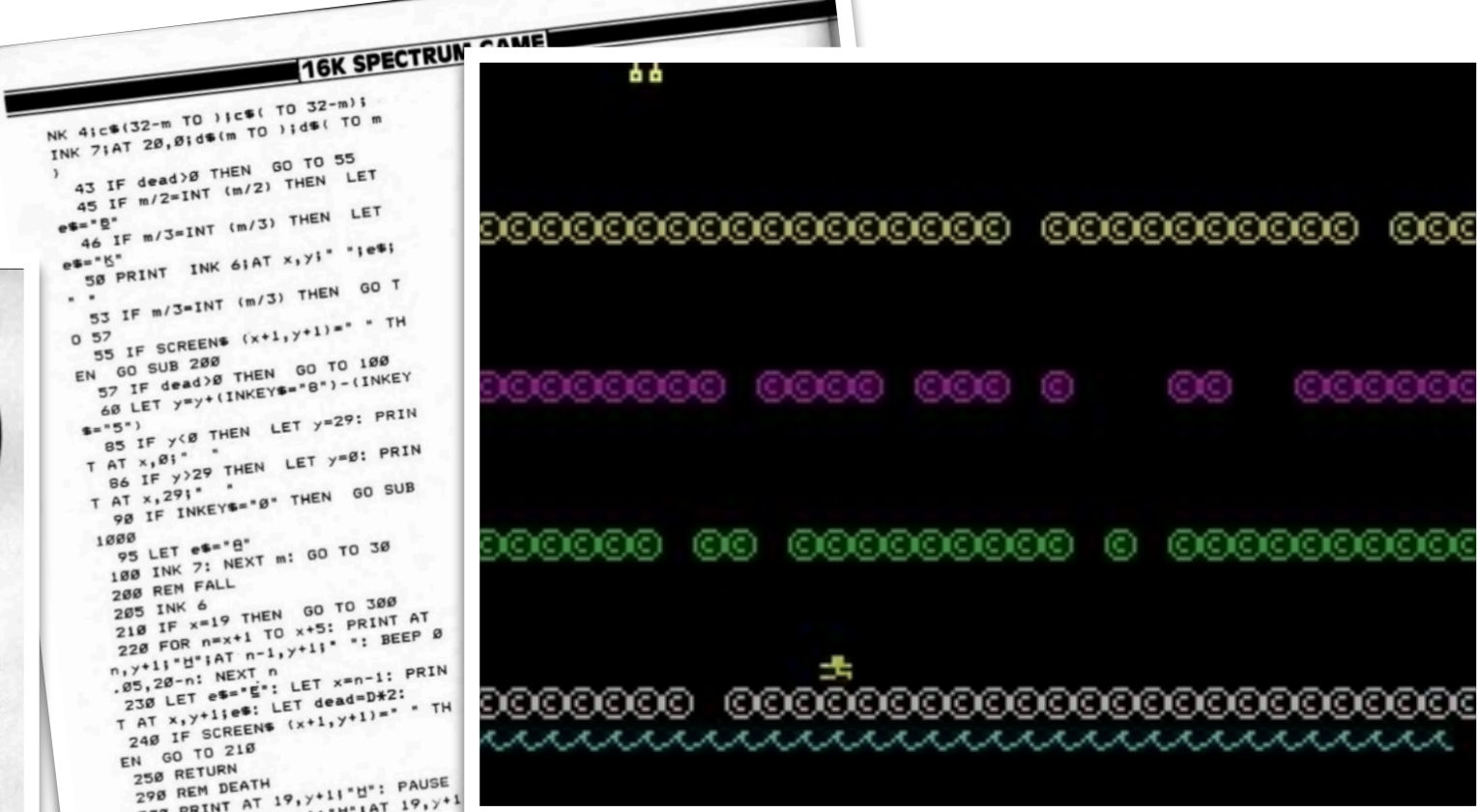
Three levels of difficulty are included and a hall of fame chart for those who become adept enough to reach a good score. Christopher says his highest score so far is 93%, I admit to not getting any score at all - mind you, I wasn't feeling too well. The score is worked out on the time you take to reach the rings. So for a real test of your ability type in this relatively short program - go on, hop to it!



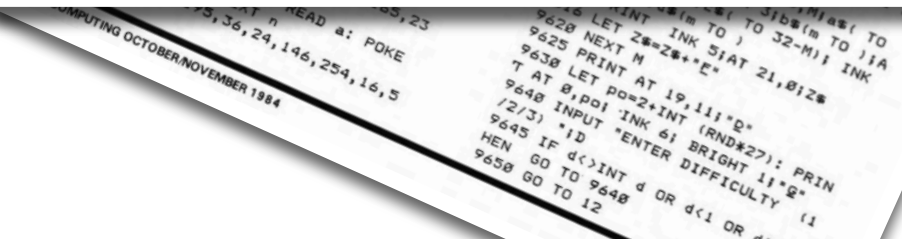
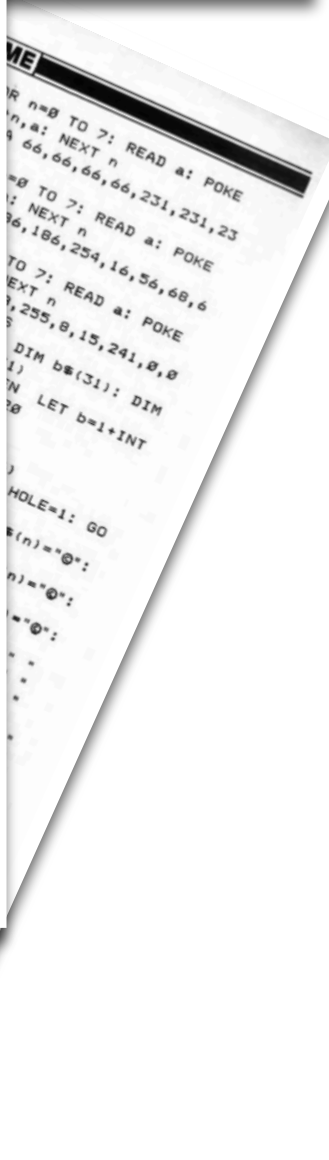
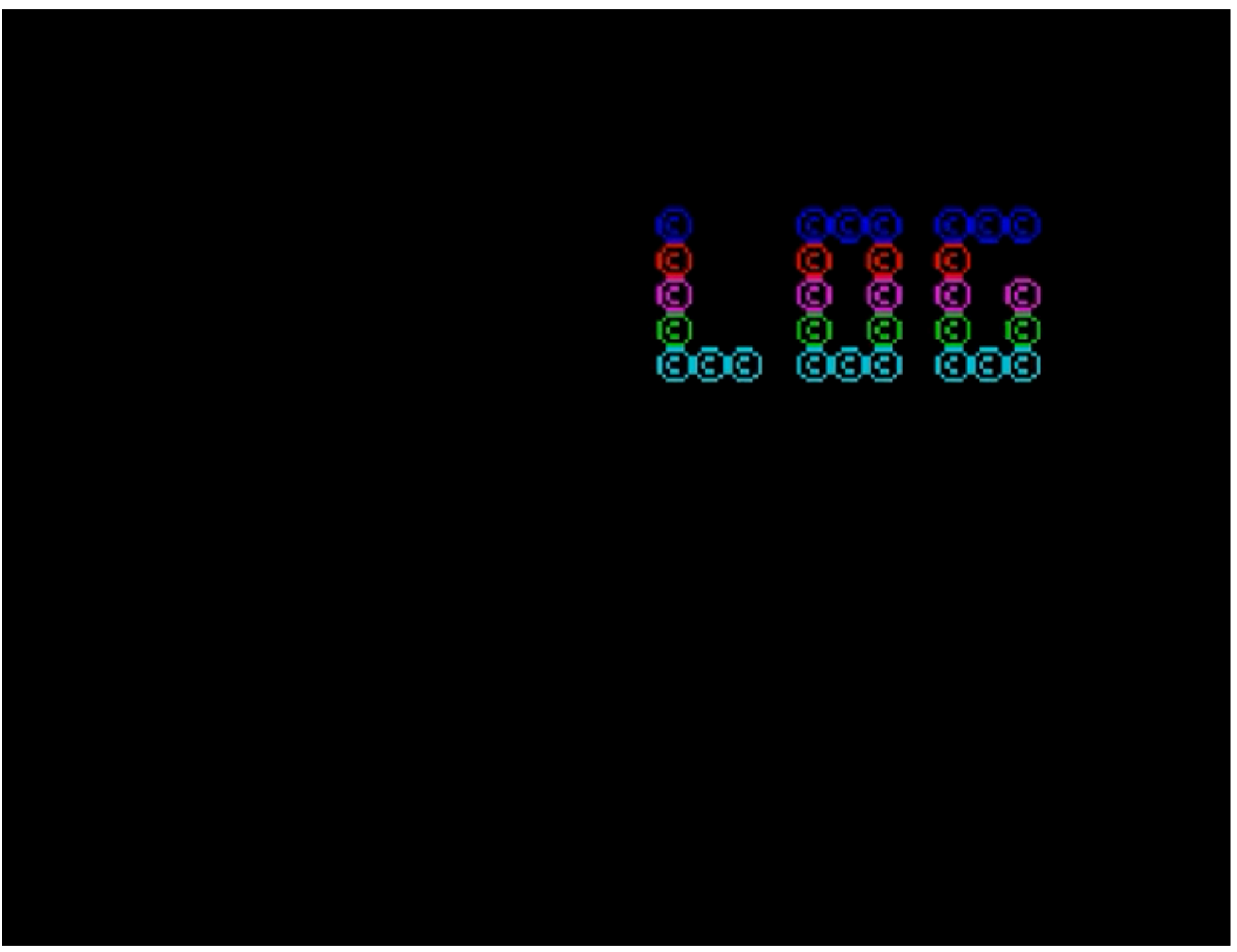
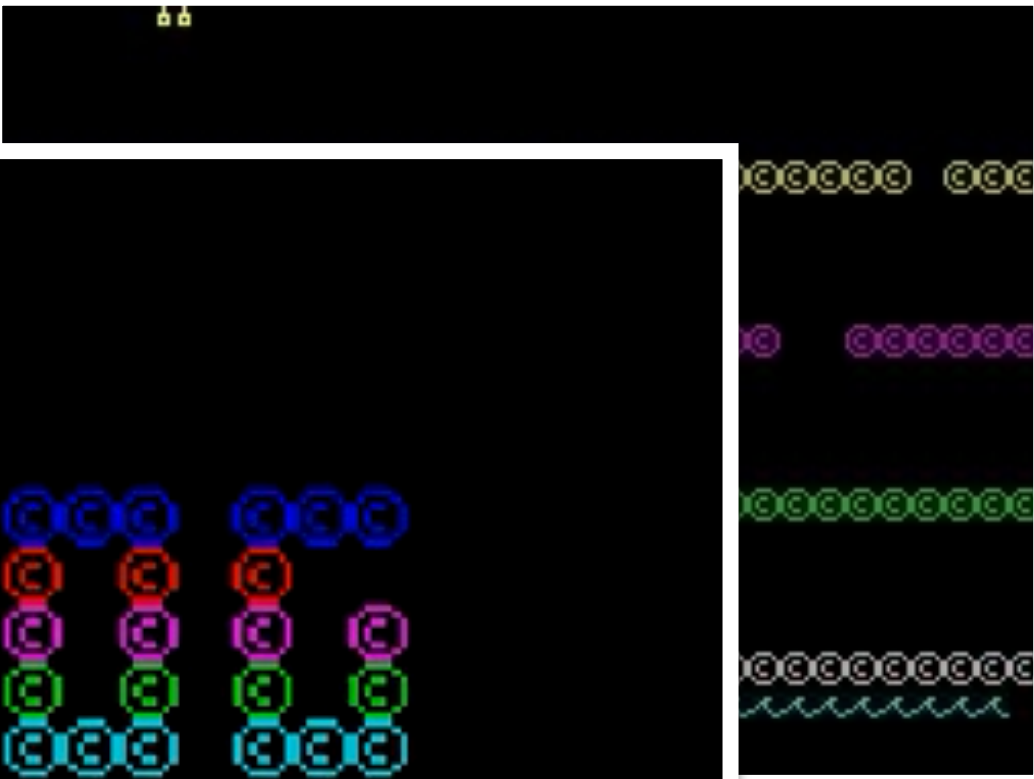
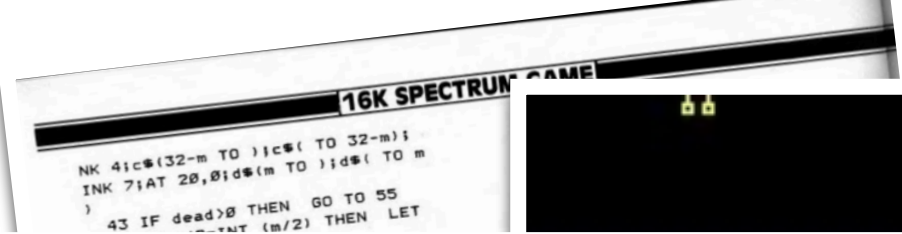
Program structure

30-100	Main loop
200-250	Fall down hole routine
300-420	Death routine, score assessment and hall of fame update
1000-1080	Jump routine
1100-1120	'Reached the rings' routine
8000-8110	Presentation and instructions
9000-9210	Graphics
9500-9565	Random set up of logs
9600-9650	Screen set up at start of game

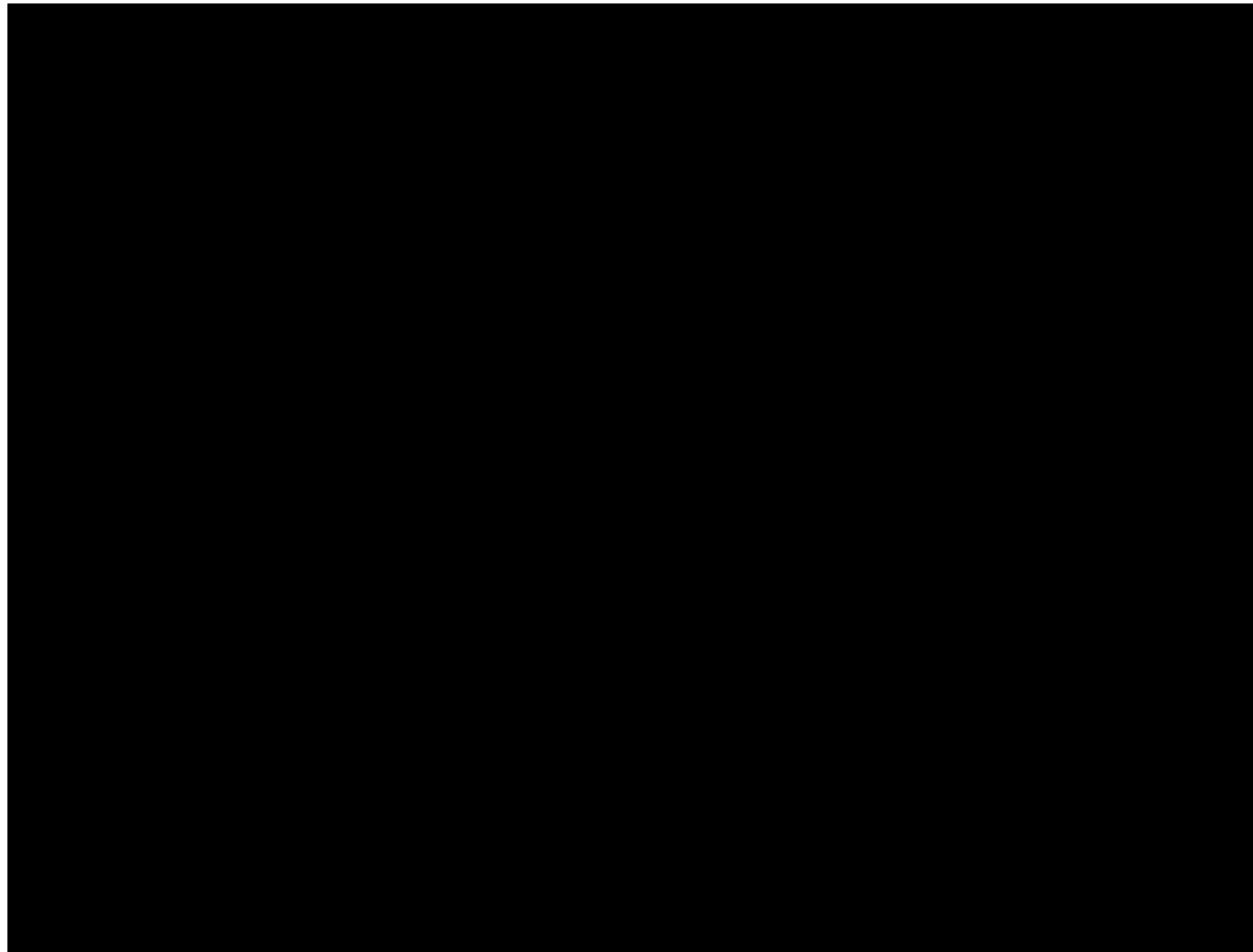
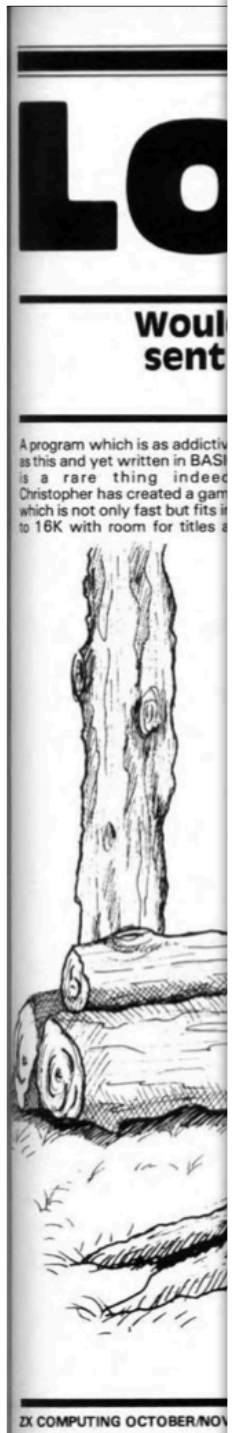
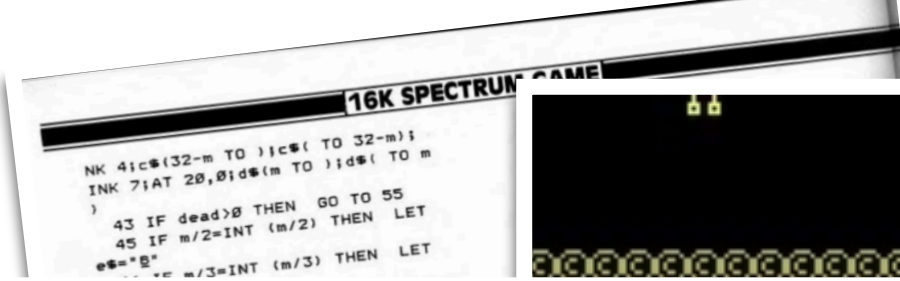
```
1 REM *****
  *Underlined characters*
  *are entered in *
  *GRAPHICS mode. *
  *****
2 POKE 23658,8
3 PAPER 0: INK 7: BORDER 0: C
LS
5 LET HOLE=0: LET game=0: DIM
z(10): DIM f$(10,3)
10 GO SUB 8000
12 LET SCORE=1000: LET dead=0
13 LET game=1
15 LET x=19: LET y=10
20 LET e$="B"
30 FOR m=31 TO 1 STEP -1
31 IF SCORE>1 THEN LET SCORE=
SCORE-2
32 IF dead>0 THEN LET dead=de
ad-1: BEEP 0.05,-10
40 PRINT INK 6:AT 5,0;A$(32-m
TO );A$( TO 32-m);AT 10,0; INK
3;B$(m TO );B$( TO m);AT 15,0; I
```



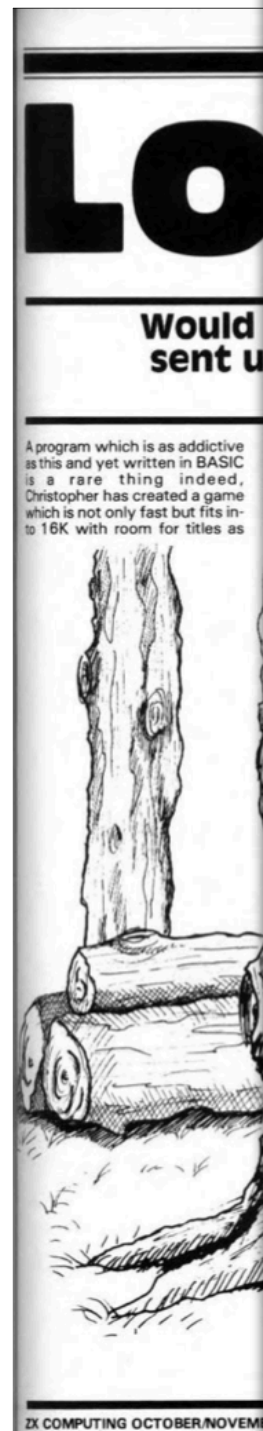
First Published Game!



First Published Game!



First Published Game!



WoWroms

[Roms/Games/ISOs](#)[Emulators](#)[Bios Files](#)

[Home](#) > [All ROMs](#) > [ZX Spectrum](#) > [LOG HOP](#)

Top Download

Super Mario World [USA]
SUPER NINTENDO

Super Mario 64 [USA]
NINTENDO 64

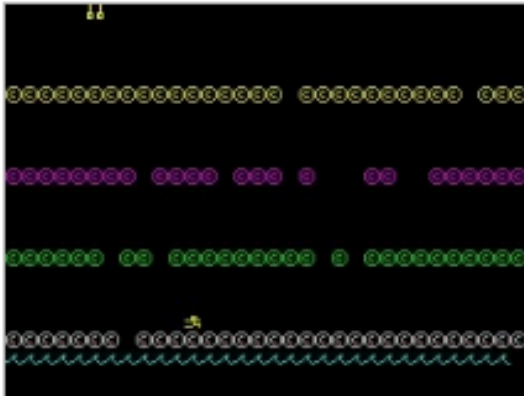
Pokémon : Edición Rojo Fuego [Spain]
NINTENDO GAMEBOY ADVANCE

Pokémon : Edición Esmeralda [Spain]
NINTENDO GAMEBOY ADVANCE


GOD OF WAR 2
PLAYSTATION 2

Mario Kart 64 [USA]
NINTENDO 64

Top Rated



LOG HOP

 ZX Spectrum (TAP)
([Download Emulator](#))

File Name
LogHop.tap.zip


File Size : 2,8 kb

Similar Games Year : 1984

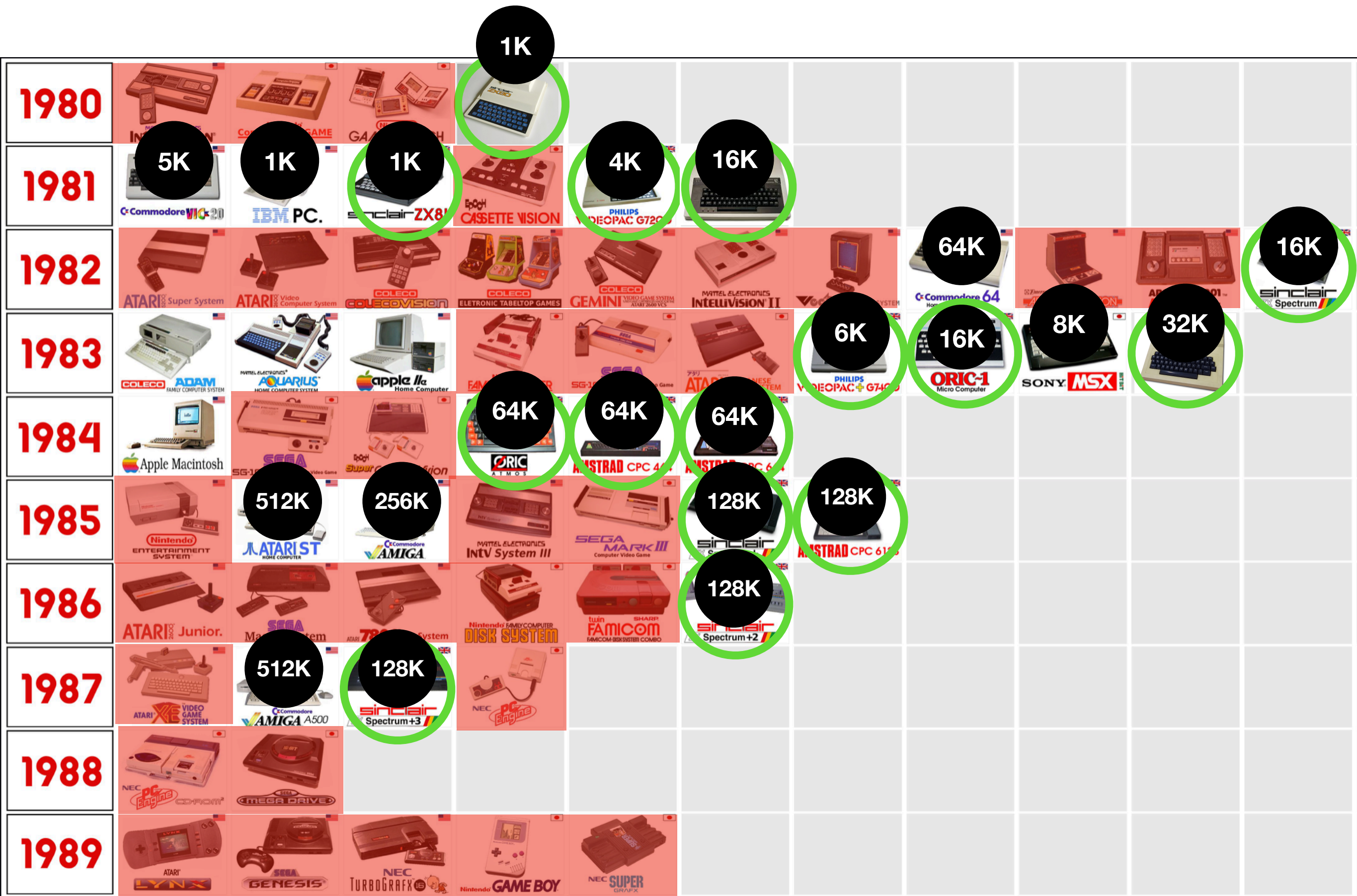
Region : Unknown

Genre :

Download : 20

 [DOWNLOAD ROM](#)

Two more snippets of ZX Spectrum BASIC code. The top one shows a loop for reading and writing to memory. The bottom one shows a game loop with input handling and difficulty selection.



NON-PROGRAMMABLE



UK



RAM

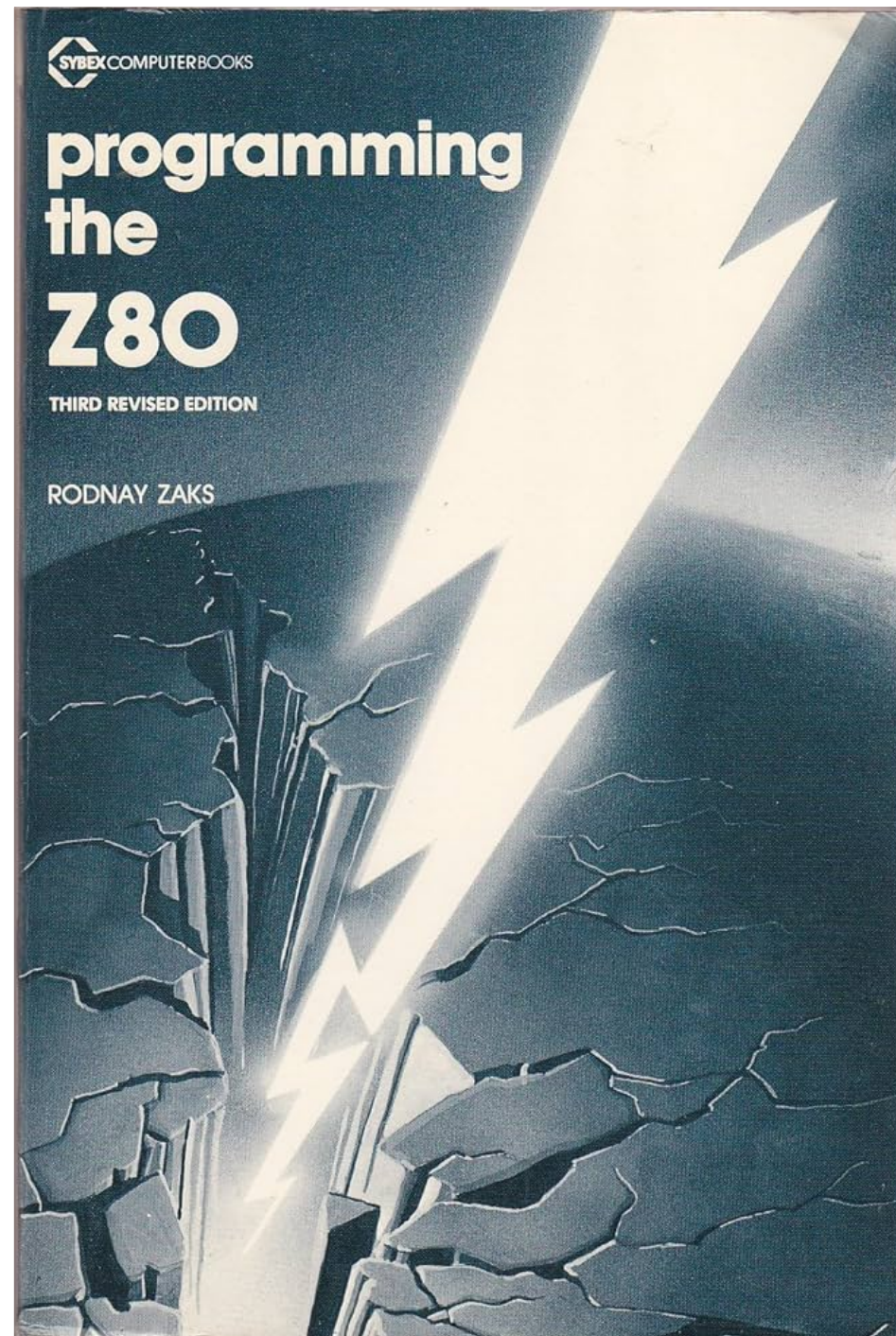


Pixel Movement ???



[youtube.com/rzxarchive](https://www.youtube.com/rzxarchive)

Z80 Machine Code



```
ORG      0000H
LD       A,55H
LD       IX,2000H
LD       BC,01FFH

ORG      0009H
LD       (IX+00),A
INC      IX
DEC      BC
EX       AF,AF'
LD       A,00H
CP       B
JP       NZ,0026H

CP       C
JP       NZ,0026H
LD       HL,2000H
LD       DE,3000H
LD       BC,01FFh
LDIR
HALT

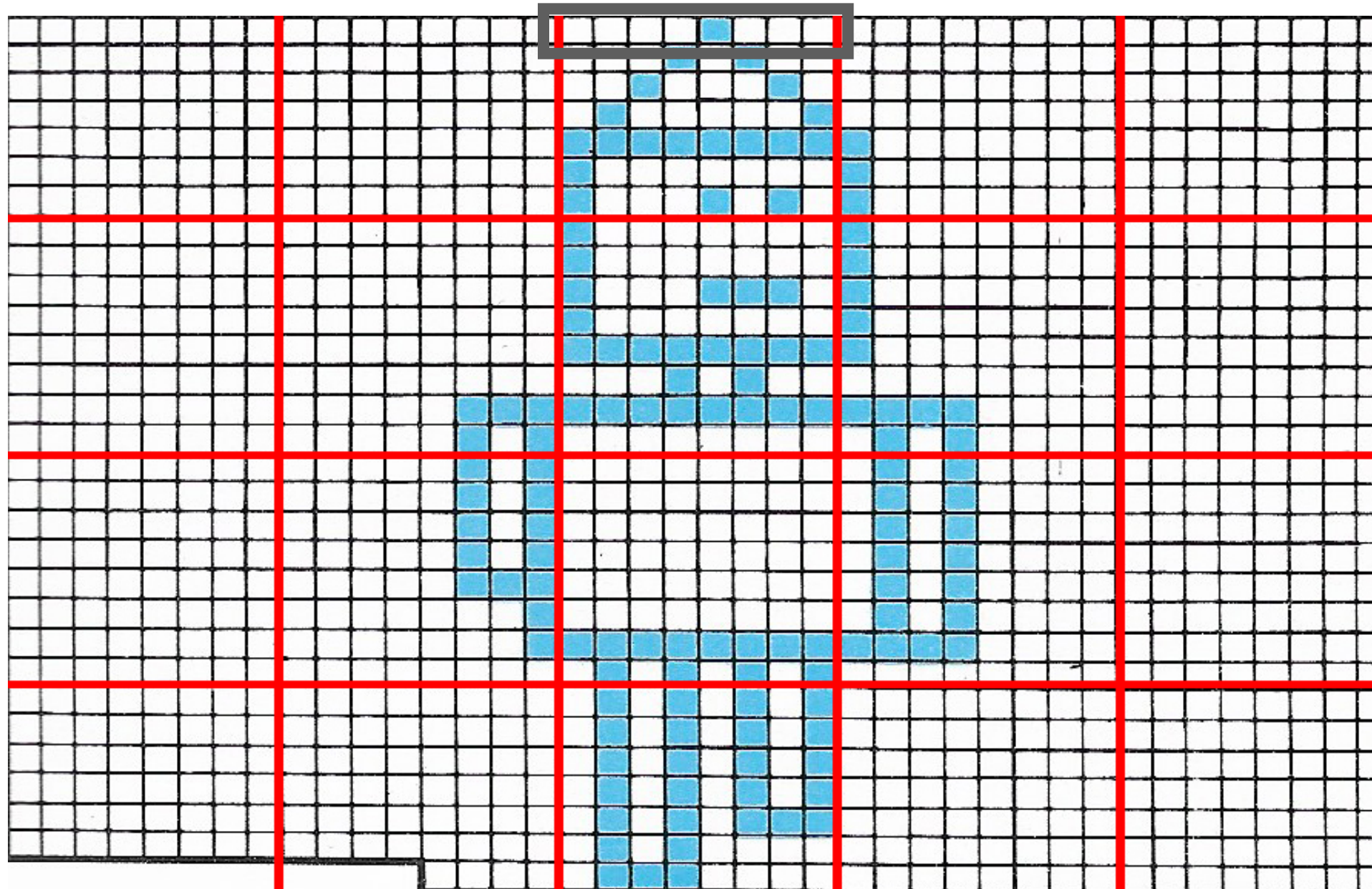
ORG      0026H
EX       AF,AF'
JP       0009H
END
```


SCREEN MEMORY ADDRESSES

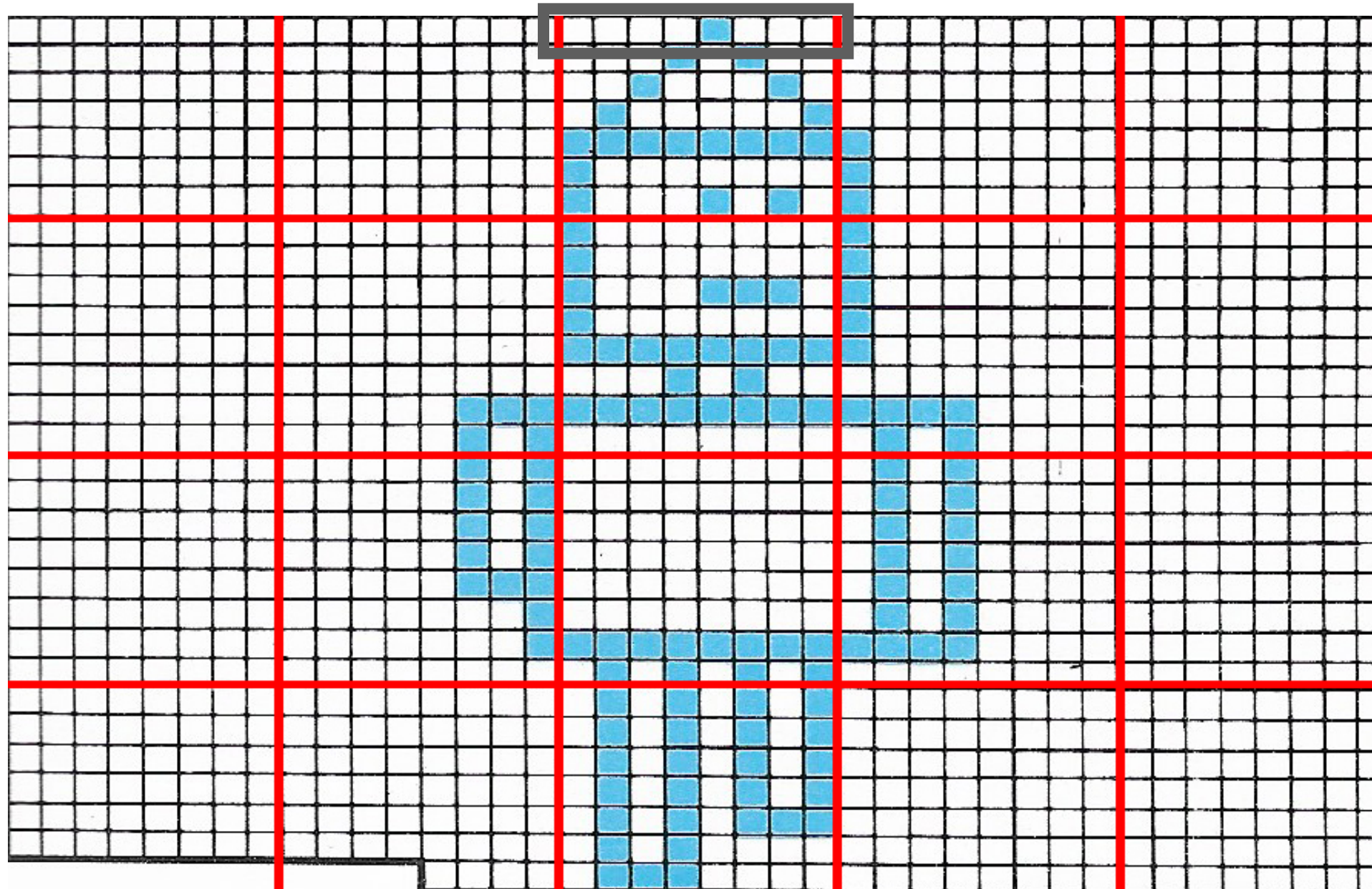
16,384 (top left byte on screen)

VALUE STORED AT THAT ADDRESS

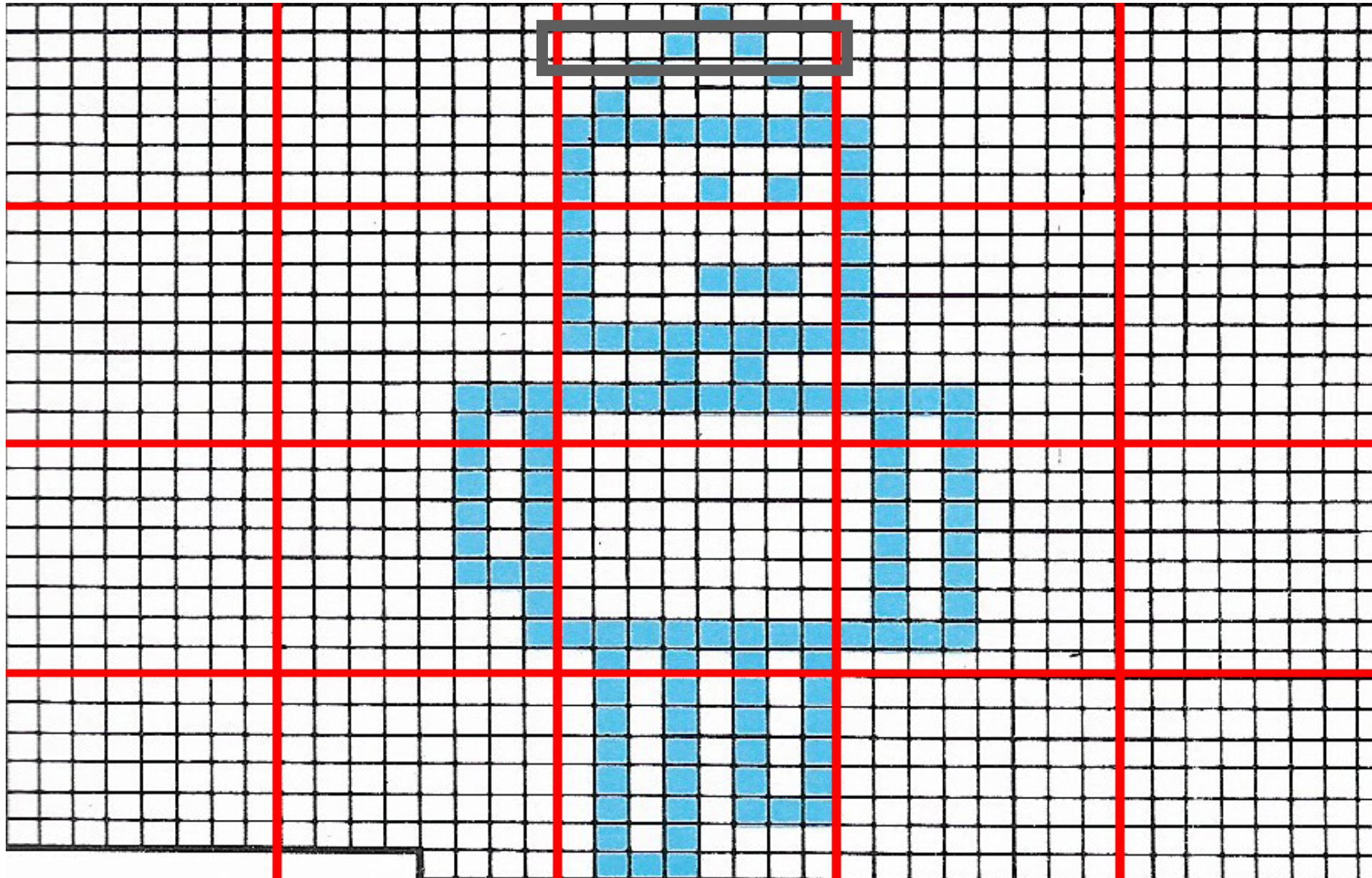
00001000 = 8



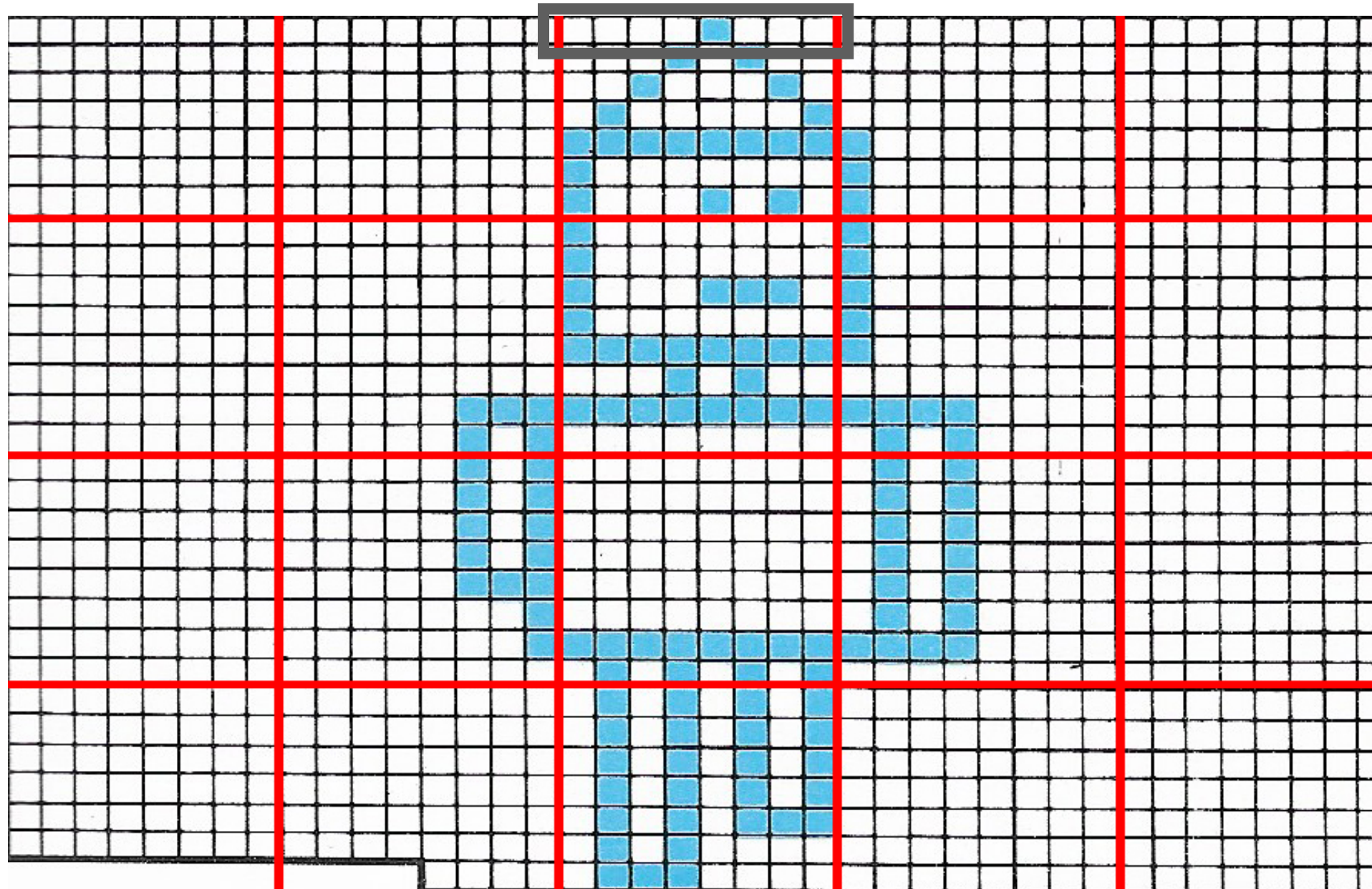
SCROLLING UP/DOWN = COPYING BYTES TO ADDRESSES ABOVE/BELOW



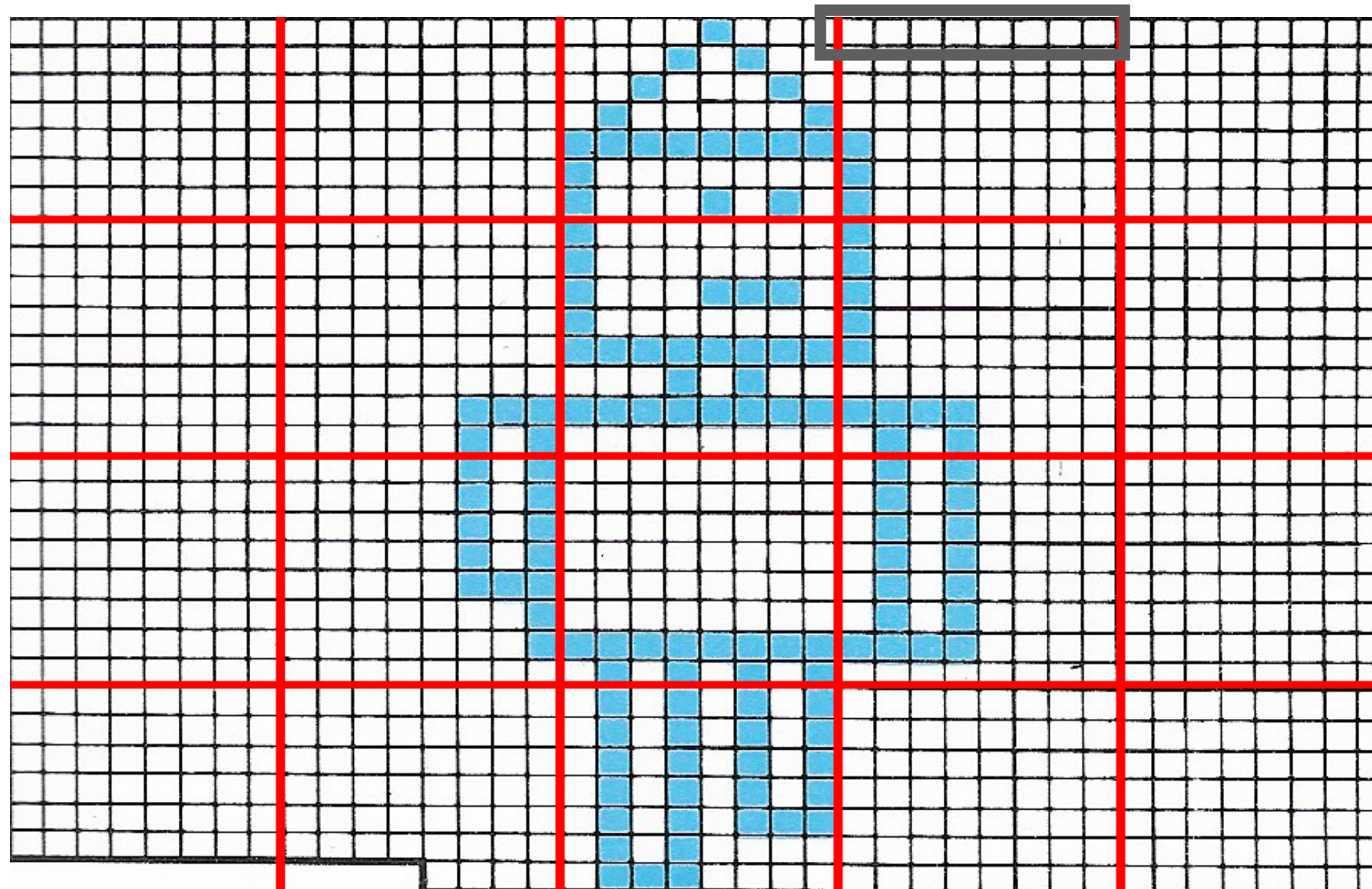
SCROLLING UP/DOWN = COPYING BYTES TO ADDRESSES ABOVE/BELOW



SCROLLING LEFT/RIGHT = ROTATING BITS & CARRYING OVER



SCROLLING LEFT/RIGHT = ROTATING BITS & CARRYING OVER



Instruction	Timing Z80
ADC A,(HL)	7
ADC A,(IX+o)	19
ADC A,(IY+o)	19
ADC A,n	7
ADC A,r	4
ADC A,IXp	8
ADC A,IYq	8
ADC HL,BC	15
ADC HL,DE	15
ADC HL,HL	15
ADC HL,SP	15
ADD A,(HL)	7
ADD A,(IX+o)	19
ADD A,(IY+o)	19
ADD A,n	7
ADD A,r	4
ADD A,IXp	8
ADD A,IYq	8
ADD HL,BC	11
ADD HL,DE	11
ADD HL,HL	11
ADD HL,SP	11
ADD IX,BC	15
ADD IX,DE	15
ADD IX,IX	15
ADD IX,SP	15
ADD IY,BC	15
ADD IY,DE	15
ADD IY,IY	15
ADD IY,SP	15
AND (HL)	7
AND (IX+o)	19
AND (IY+o)	19
AND n	7
AND r	4
AND IXp	8
AND IYq	8
BIT b,(HL)	12
BIT b,(IX+o)	20
BIT b,(IY+o)	20
BIT b,r	8
CALL nn	17
CALL C,nn	17/10
CALL M,nn	17/10
CALL NC,nn	17/10
CALL NZ,nn	17/10
CALL P,nn	17/10
CALL PE,nn	17/10
CALL PO,nn	17/10
CALL Z,nn	17/10
CCF	4
CP (HL)	7
CP (IX+o)	19
CP (IY+o)	19
CP n	7
CP r	4
CP IXp	8
CP IYq	8
CPD	16
CPDR	21/16

Instruction	Timing Z80
LD (nn),A	13
LD (nn),BC	20
LD (nn),DE	20
LD (nn),HL	16
LD (nn),IX	20
LD (nn),IY	20
LD (nn),SP	20
LD A,(BC)	7
LD A,(DE)	7
LD A,(HL)	7
LD A,(IX+o)	19
LD A,(IY+o)	19
LD A,(nn)	13
LD A,n	7
LD A,r	4
LD A,IXp	8
LD A,IYq	8
LD A,I	9
LD A,R	9
LD B,(HL)	7
LD B,(IX+o)	19
LD B,(IY+o)	19
LD B,n	7
LD B,r	4
LD B,IXp	8
LD B,IYq	8
LD BC,(nn)	20
LD BC,nn	10
LD C,(HL)	7
LD C,(IX+o)	19
LD C,(IY+o)	19
LD C,n	7
LD C,r	4
LD C,IXp	8
LD C,IYq	8
LD D,(HL)	7
LD D,(IX+o)	19
LD D,(IY+o)	19
LD D,n	7
LD D,r	4
LD D,IXp	8
LD D,IYq	8
LD DE,(nn)	20
LD DE,nn	10
LD E,(HL)	7
LD E,(IX+o)	19
LD E,(IY+o)	19
LD E,n	7
LD E,r	4
LD E,IXp	8
LD E,IYq	8
LD H,(HL)	7
LD H,(IX+o)	19
LD H,(IY+o)	19
LD H,n	7
LD H,r	4
LD HL,(nn)	16
LD HL,nn	10
LD I,A	9




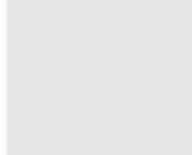
Instruction	Timing Z80
DEC D	4
DEC DE	6
DEC E	4
DEC H	4
DEC HL	6
DEC IX	10
DEC IY	10
DEC IXp	8
DEC IYq	8
DEC L	4
DEC SP	6
DI	4
DJNZ o	13/8
EI	4
EX (SP),HL	19
EX (SP),IX	23
EX (SP),IY	23
EX AF,AF'	4
EX DE,HL	4
EXX	4
HALT	4
IM 0	8
IM 1	8
IM 2	8
IN A,(C)	12
IN A,(n)	11
IN B,(C)	12
IN C,(C)	12
IN D,(C)	12
IN E,(C)	12
IN H,(C)	12
IN L,(C)	12
IN F,(C)	12
INC (HL)	11
INC (IX+o)	23
INC (IY+o)	23
INC A	4
INC B	4
INC BC	6
INC C	4
INC D	4
INC DE	6
INC E	4
INC H	4
INC HL	6
INC IX	10
INC IY	10
INC IXp	8
INC IYq	8
INC L	4
INC SP	6
IND	16
INDR	21/16
INI	16
INIR	21/16
JP nn	10
JP (HL)	4
JP (IX)	8
JP (IY)	8

T-States = Speed!

First Paid Game!

1980	 MATTTEL ELECTRONICS INTELLIVISION	 Nintendo Computer TV-GAME	 Nintendo GAME & WATCH
1981	 Commodore VIC-20	 IBM PC.	 sinclair ZX8
1982	 ATARI Super System	 ATARI Video Computer System	 COLECO COLECOVISION
1983	 COLECO ADAM FAMILY COMPUTER SYSTEM	 MATTTEL ELECTRONICS AQUARIUS HOME COMPUTER SYSTEM	 apple IIa Home Computer
1984	 Apple Macintosh	 SEGA S-1000 Computer Video	 Super Carrette Vision
1985	 Nintendo ENTERTAINMENT SYSTEM	 ATARI ST HOME COMPUTER	 ATARI 7800 ProSystem
1986	 ATARI Junior 2600	 SEGA Master System	 ATARI 7800 ProSystem
1987	 ATARI XE VIDEO GAME SYSTEM	 Commodore AMIGA A500	 sinclair Spectrum+3
1988	 NEC PC Engine CORPOM	 SEGA MEGA DRIVE	
1989	 ATARI LYNX	 SEGA GENESIS	 NEC TURBOGRAFX-16



 sinclair Spectrum	 Emerson ADVENTUREVISION	 ARCADIA-2001 Emerson	 sinclair Spectrum
 SONY MSX	 sinclair Spectrum	 sinclair Spectrum	 sinclair Spectrum



1980



1981



1982



1983



1984



1985



1986



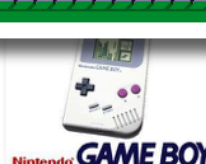
1987



1988



1989

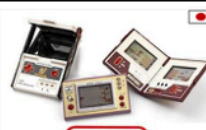


512K



Race Tracks from Super Sprint
Ripped by me, Magma MK-II
Copyright Atari
Credits not necessary

1980



1981



Commodore

1982



ATARI 2600

1983



COLECO FAMILY VIDEO

1984



Apple II

1985



NINTENDO ENTERTAINMENT SYSTEM

1986



ATARI 2600

1987



ATARI XE

1988



NEC PC Engine



SEGA MEGA DRIVE

1989



ATARI LYNX



SEGA GENESIS



NEC TURBOGRAFX 16



Nintendo GAME BOY



NEC SUPER GRAFX

SUPER SPRINT LAP RECORDS

ALL TIME BESTS



TRACK 1 5.7 SECS
TRACK 2 7.8 SECS
TRACK 3 8.9 SECS
TRACK 4 9.9 SECS

TRACK 5 6.4 SECS
TRACK 6 10.7 SECS
TRACK 7 9.0 SECS
TRACK 8 13.8 SECS

PRESS F1 FOR OPTIONS

Attention To Detail is founded

1980


MATTTEL ELECTRONICS
INTELLIVISION®

1981


Commodore VIC-20

1982


ATARI® Super System

1983


COLECO ADAM
FAMILY COMPUTER SYSTEM

1984


Apple Macintosh

1985


Nintendo
ENTERTAINMENT
SYSTEM

1986


ATARI 2600 Junior.

1987


ATARI XE

1988


NEC PC Engine
CORONA

1989


ATARI LYNX



BC



VISION II



ADAM



PHILIPS



ORIC-1



COMMEZ



ARCADIA-2001



sinclair Spectrum





Rise of US / JAPAN

Decline of UK

1990										
1991										
1992										
1993										
1994										
1995										
1996										
1997										
1998										
1999										

1990										
1991										
1992										
1993										
1994										
1995										
1996										
1997										
1998										
1999										

1989



KONIX
MULTI-SYSTEM
EXPERIENCE THE REALITY



1990



1991



1992



1993



1994



1995



1996



1997



1998



1999



1989



KONIX
MULTI-SYSTEM
EXPERIENCE THE REALITY



NEWS

KONIX HERE AT LAST

The long-awaited addition to the swelling consoles market has just about arrived. From October, the Konix Multisystem, which could possibly be the best home games machine yet, will be in stores across the nation priced at just over £200. Paul had a Glancey at the machine...

INCREDIBLE SPEC

On paper at least, the Konix wipes the floor with every other console, and some of its features even put the wind up powerful 16 bit home computers such as the Amiga and ST. Check out the specifications box below and you'll see that for the price, it's technical specification is outstanding.

State of the art custom circuitry put the Multisystem's graphics and sound capabilities beyond even the Amiga. Like the Amiga, the Konix has a Blitter chip which can shift large graphics around the screen at speed, but unlike the Amiga, the Konix hardware can mix sprites and vector graphics with equal ease making it even more flexible from the programmers' point of view.

The machine is equally well catered for sonically. The audio hardware provides high quality 25 channel stereo sonics on a par with Yamaha's DX-7 synth! Of course you can listen to the Konix through the TV, or, even better, you can plug headphones or a stereo amplifier straight into the jack socket on the back of the machine.

SHAKE, RATTLE AND ROLL

What puts the Konix Multisystem even further ahead of the field are its vast range of control options. A micro-switched Konix Navigator joystick comes with the package, but even more exciting is the innovative analogue steering controller which can adapt itself to suit three different game types.

For burnin' up the highway on a mo-

ing it the ability to shake in your hands should you drive over rough ground or nose-dive into a runaway.

However you configure the controller, two independent fire buttons always fall easily under your thumbs and on the right of the console, there's an analogue lever which can double up as a throttle or a gear shift, or indeed anything else Konix programmers can dream up.

NOT THE COMFY CHAIR

Other hardware add-ons on the horizon include a light gun with recoil action and rapid fire machine gun mode, which will sell for around £40, and the much heralded Space Harrier-style hydraulic chair.

This luxury item will cost just over £200, but should be the most fun piece of hardware ever devised for a home system. There are even plans for a plug-in exercise bike for fitness-conscious gamers to ride into the sun-set. Who says computer games are bad for your health?



▲ Hammerfist by Visual Images



▼ The Multisystem unit in steer 'n' go mode.

launch at least 20 titles alongside the machine when it is released. Here we have pictures of Last Ninja II from System 3 and Star Ray from Logotron - two conversions, both of which easily match their home computer counterparts in quality.

At the moment there's no news of any arcade conversions for the machine - strange really, considering its specifications it sounds an ideal machine to convert coin-ops to.

Konix software will come on pirate-proof 3.5" 880K disks which just slot

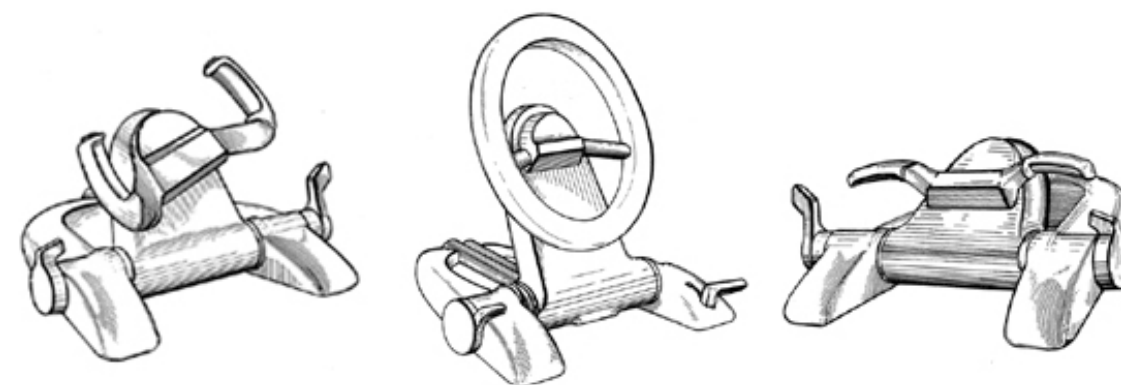


into the built-in drive, as well as cartridge, and will cost between £15 and £20. If the Multisystem gets the soft-

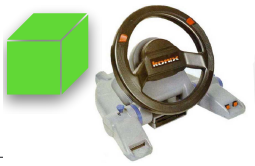


MULTISYSTEM SPECIFICATIONS

ON-BOARD MEMORY 256K
GRAPHICS RESOLUTION OF 512X200 PIXELS
COLOUR PALETTE 4,096 COLOURS
SOUND 25-CHANNEL STEREO CD QUALITY SOUND
DISPLAY OUTPUT STANDARD TV OR RGB COMPOSITE VIDEO
SOUND OUTPUT VIA TV OR THROUGH STEREO HEADPHONE SOCKET
SOFTWARE FORMAT CU
EXPANSION CARTRIDGE



1989



KONIX
MULTI-SYSTEM
EXPERIENCE THE REALITY



NEWS

The long-
about arri
possibly t
across the
the machi

INCR

On paper
floor with
some of
up power
such as
the spec
see that
ification
State
the Multi
capability
Like the
chip whic
around th
the Amig
mix sprin
equal eas
ible from
view.

The m
for sonic
vides hig
sonics or
synth! O
Konix the
you can
amplifier
on the be

SHA
AND

What pu
further a
range of
switched
comes w
more av
ogue ste
adapt its
types.

For b



1989



KONIX
MULTI-SYSTEM
EXPERIENCE THE REALITY



NEWS

KONIX HERE AT LAST

The long-awaited addition to the swelling consoles market has just about arrived. From October, the Konix Multisystem, which could possibly be the best home games machine yet, will be in stores across the nation priced at just over £200. Paul had a Glancey at the machine...

INCREDIBLE SPEC

On paper at least, the Konix wipes the floor with every other console, and some of its features even put the wind up powerful 16 bit home computers such as the Amiga and ST. Check out the specifications box below and you'll see that for the price, it's technical specification is outstanding.

State of the art custom circuitry put the Multisystem's graphics and sound capabilities beyond even the Amiga. Like the Amiga, the Konix has a Bitter chip which can shift large graphics around the screen at speed, but unlike the Amiga, the Konix hardware can mix sprites and vector graphics with equal ease making it even more flexible from the programmers' point of view.

The machine is equally well catered for sonically. The audio hardware provides high quality 25 channel stereo sonics on a par with Yamaha's DX-7 synth! Of course you can listen to the Konix through the TV, or, even better, you can plug headphones or a stereo amplifier straight into the jack socket on the back of the machine.

SHAKE, RATTLE AND ROLL

What puts the Konix Multisystem even further ahead of the field are its vast range of control options. A micro-switched Konix Navigator joystick comes with the package, but even more exciting is the innovative analogue steering controller which can adapt itself to suit three different game types.

For burnin' up the highway on a mo-

ing it the ability to shake in your hands should you drive over rough ground or nose-dive into a runaway.

However you configure the controller, two independent fire buttons always fall easily under your thumbs and on the right of the console, there's an analogue lever which can double up as a throttle or a gear shift, or indeed anything else Konix programmers can dream up.

NOT THE COMFY CHAIR

Other hardware add-ons on the horizon include a light gun with recoil action and rapid fire machine gun mode, which will sell for around £40, and the much heralded Space Harrier-style hydraulic chair.

This luxury item will cost just over £200, but should be the most fun piece of hardware ever devised for a home system. There are even plans for a plug-in exercise bike for fitness-conscious gamers to ride into the sun-set. Who says computer games are bad for your health?



launch at least 20 titles alongside the machine when it is released. Here we have pictures of Last Ninja II from System 3 and Star Ray from Logotron two conversions, both of which match their home computer counterparts in quality.

At the moment there's no news of any arcade conversions for the machine - but already, considering its specifications it sounds an ideal machine to convert coin-ops to.

Konix software will come on pirate-proof 3.5" 880K disks which just slot

into the built-in drive. The machine will cost £200, and will be available in stores from October. If the machine is a success, it could well be the start of a new era in home gaming.



MULTISYSTEM SPECIFICATIONS

ON-BOARD MEMORY 256K
GRAPHICS RESOLUTION OF 512X200 PIXELS
COLOUR PALETTE 4,096 COLOURS
SOUND 25-CHANNEL STEREO CD QUALITY SOUND
DISPLAY OUTPUT STANDARD TV OR RGB COMPOSITE VIDEO
SOUND OUTPUT VIA TV OR THROUGH STEREO HEADPHONE SOCKET
SOFTWARE FORMAT CUE
EXPANSION CARTRIDGE



BANKRUPT

ATD's first published game!

1990	NEC PC Engine		
1991	Super Nintendo		
1992	SEGA CD		
1993	ATARI JAGUAR		
1994	GoldStar Panasonic 3DO		
1995	SONY PlayStation		
1996	NINTENDO		
1997	TIGER game.com		
1998	GENES		
1999	SEGA Dreamcast		

ATD's first game!

1990										
1991										
1992										
1993										
1994										
1995										
1996										
1997										
1998										
1999										

1990



1991



1992



1993



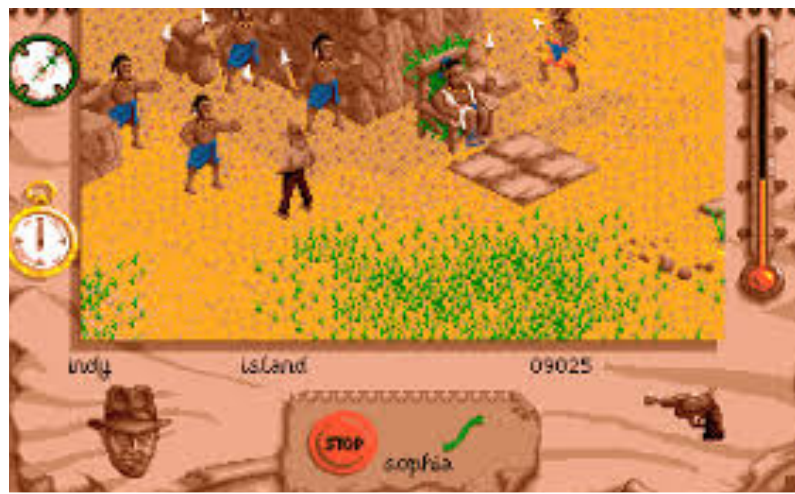
1994



1995

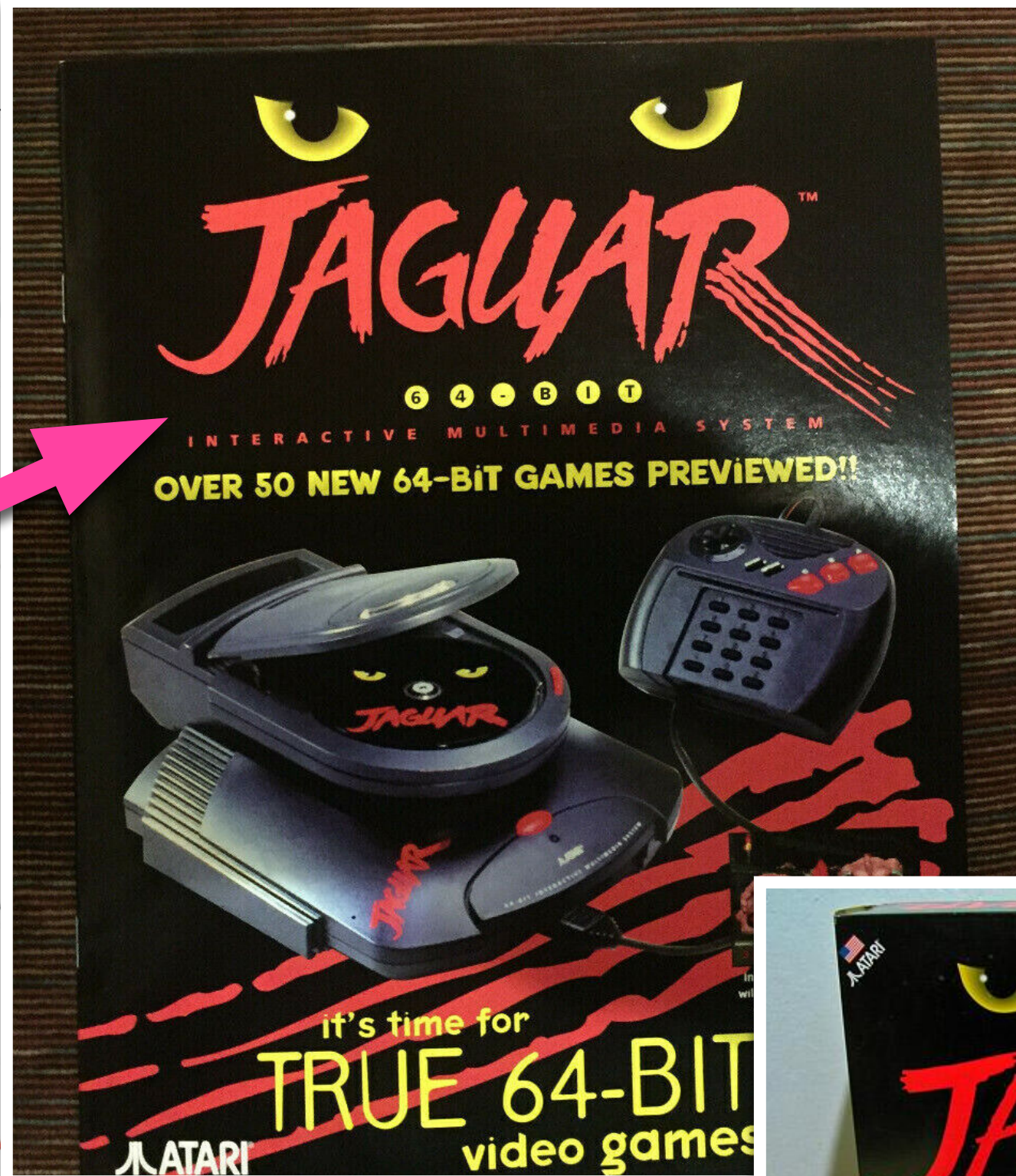


1996



1990										
1991										
1992										
1993										
1994										
1995										
1996										
1997										
1998										
1999										

1990	
1991	
1992	
1993	
1994	
1995	
1996	
1997	
1998	
1999	



FRED GILL, BRIAN POLLOCK

GRAPHICS BY
CHRIS GIBBS, IAN HARLING, BJ WEST

SOUND BY
ANDREW HOLTOM, DAVE LOWE
TED TAHQUECHI

LEVELS AND TESTING BY
SHIMMY BRANDES, TOM GILLEN
HANS JACOBSEN, ANDREW KEIM
SEAN PATTEN, JOE SOUSA

TED TAHQUECHI, FARAN THOMASON

Source: SCART

Input: NTSC

Output: 1920x1080@60Hz

PRODUCED BY
JOHN SKRUCH, SEAN PATTEN

NEC
TURBOGRAFXTM CD

A vintage Nintendo Super Famicom console and its controller. The console is a light grey color with a dark grey top section. It has a Japanese flag sticker in the top right corner. The controller is a grey, rounded rectangular shape with a D-pad and four colored buttons (red, yellow, green, blue). The text "Nintendo SUPER FAMICOM" and "スーパーファミコン" is visible on the console's faceplate.

SNK
NEO-GEO
ADVANCED ENTERTAINMENT SYSTEM

NEC
TurboExpress



AMSTRAD GX4000

NEC
TURBO DUO



A photograph of a silver Philips CD-i console and its matching controller. The console is a horizontal unit with a disc cover on the left and a red-lit disc tray on the right. The controller is a grey, ergonomic design with two analog sticks and several buttons. The Philips logo and 'CD-i' branding are visible on the console. A small American flag is in the top right corner of the image.

A black PlayStation 2 console is shown with a DualShock 2 controller and a game disc. The console has the 'PlayStation 2' logo on top. The controller is black with two analog sticks and several buttons. A game disc is visible to the left of the console.



AMIGA CD³²



Nintendo
ENTERTAINMENT SYSTEM
TOP LOADER SYSTEM

The cover art for the Jaguar CD game 'Lightning' features a blue and yellow fighter jet, the Lightning, flying through a cloudy sky. The title 'LIGHTNING' is prominently displayed in a stylized font at the top. The bottom of the cover includes the 'JAGUAR CD' logo and the Atari logo.

The collage consists of three distinct images. The top image shows a black Nintendo Virtual Boy console mounted on a silver tripod, with a black controller connected by a cord. To the right of the console is a small Japanese flag. The bottom image is a book cover for 'Redible LK' by 'THE', featuring a green background with yellow and red text and graphics.



Neo-Geo CD console and SNK logo.



NINTENDO⁶⁴

The Jaguar CD logo, featuring the word "JAGUAR" in a stylized, red, italicized font with a black outline, followed by "CD" in a similar but smaller font. The logo is set against a black background.

**Nintendo
SUPER FAMICOM
TOP LOADER SYSTEM**



TOP BORDER SYSTEM

Nintendo
GAME BOY LIGHT

SEGA Dreamcast™



BANDAI ELECTRONICS
WonderSwan

PlayStation

TEEN

ESRB

BLAST CHAMBER

The 3-D Rotatable Deathmatch

ACTIVISION

2000

2001

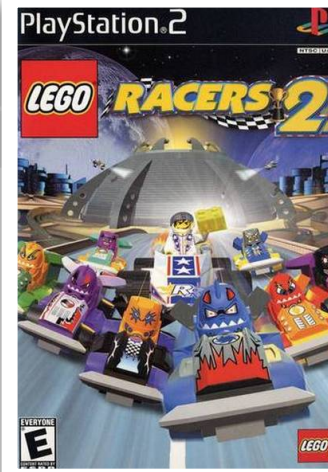
2002

2003

2004

2005

2006



2000

2001

2002

2003

2004

2005

2006

