



Kill the evil wizard and escape. . .

Castle Zhagwhar

By Keith Schuler

In a different time far away, the small, magical kingdom of Lithana is thriving. It is a peaceful kingdom with a just king on the throne, a good economy and happy people.

One day an evil wizard arrives at an old, abandoned fortress outside the kingdom, called Castle Zhagwhar. He is a powerful wizard who wants to rule Lithana. So using his magical powers, he begins transforming entire forests into gigantic armies of vicious goblins who immediately begin attacking Lithana.

The king's army is powerful, but they can't resist the goblins for long. So the king sends a decree throughout the kingdom that anyone brave enough to enter Castle Zhagwhar and dispatch the wizard will receive one-fourth of all the land in Lithana.

The king waits many long weeks for a response to his decree when, at last, a poor young woodcutter named Gwydion answers the king's call. Gwydion is unskilled in the use of any weapons but is very strong and can run and jump well. The king in desperation gives the young man a map leading to Castle Zhagwhar, wishes him luck, and then returns to his throne to worry some more.

Gwydion follows the map for many days but sees no goblins: They are off fighting in other parts of Lithana. At last he reaches his destination, the decrepid old

fortress almost completely in shambles. The drawbridge is down and Gwydion enters. He comes to a staircase leading downwards and descends it. His adventure begins. . .

Castle Zhagwhar is a game that runs on the CoCos 1, 2 and 3 and requires 32K of memory. To play the game, type in the listing, save it to tape or disk, and run it. You will see the title page. Press any key and the game begins.

Gwydion is the little blue man. Control him using the right joystick. Moving the joystick left or right causes him to run left or right. To climb a ladder or move under the ladder, press the joystick up. To descend a ladder, move over it, then press the joystick down. Moving the joystick down anywhere else causes Gwydion to duck. To make him jump, press the joystick button.

The idea of the game is to move from room to room by collecting yellow keys and using them to open the blue doors. To pick up a key, just run over it, and a key is shown in your possession in the blue bar at the top of the screen. To open a door, get a key, then run into the door.

Also found throughout the castle are pots of gold worth 100 points. Pick these up by running over them. Keys are worth 50 points; moving on to the next room, 350 points. The score is shown in the blue bar in the upper left-hand corner of the screen.

Castle Zhagwhar is very old, so the ladders are brittle and there are many holes in the floor. Jump over the holes, but never jump onto a ladder because it can break and may trap you in a room. There are also bats flying throughout the castle, biting any-

thing they touch, so duck to avoid them even though sometimes they don't do damage.

Falling one level through a hole causes Gwydion to lose 10 points of life, and getting bitten subtracts five points per bite. The amount of life Gwydion has left is shown as a green bar inside the blue bar in the upper right-hand corner of the screen. If the bar is reduced to zero, Gwydion dies.

Also found in the castle are magic transporters and disintegrators. When stepped on, the transporters cause Gwydion to automatically jump to another part of the room. The disintegrators cause instant death when stepped on.

Gwydion makes a deal with his fairy godmother that if he succeeds in reaching a certain point, he can summon her aid. To do this, you must accumulate a score of at least 4000 points, then press the space bar. Gwydion's life is then completely restored, but his fairy godmother sets him back a few rooms. Another life restorer is the Bonus Room. When Gwydion is in this room, collect all the treasure and escape before the red timer runs out, and his life will be completely restored.

Scattered around the castle are bottles of magic healing elixer that Gwydion does not see right away. When he notices one, he automatically drinks it. Elixer cures five points of damage. Going to the next room also cures five points.

Deep within Castle Zhagwhar is the evil wizard. He knows the young man is after him and is constantly searching for him with a magic crystal ball. If he finds Gwydion, he puts a curse on him that drains

Keith Schuler is a high school student who has been programming for seven years. He has learned other computer languages including assembly and C, and intends to become a computer programmer for NASA.

the lad's life. So don't waste time! But that's not the only spell the wizard knows. He can throw fireballs, disintegrate the inanimate, cause things to disappear, magically transport himself, and summon bats. Just remember, when the wizard dies, all his spells stop working.

The castle is difficult to navigate through,

making it hard to find and defeat the wizard. Escaping Castle Zhagwar is even harder. Good luck.

I hope you enjoy playing this game as much as I enjoyed programming it. Now Gwydion is prepared, the castle is before you... art thou ready?

[Note: To run this program on the CoCo

3, change POKE 65495,0 in Line 80 to POKE 65497,0.]

(Questions or comments about this program may be sent to the author at 325 St. Pierre Ct., Merritt Island, FL 32953. Be sure to send an SASE when requesting a reply.) □

110	84	450	232	910	248
140	100	500	55	960	205
190	114	580	236	1040	194
230	239	640	164	1100	239
310	93	700	32	1160	242
35	62	790	129	1200	174
400	123	830	113	END	140

The Listing: ZHAGWHAR

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1Ø ****
*
2Ø **      CASTLE ZHAGWHAR
*
3Ø **      BY: KEITH SCHULER
*
4Ø **
*
5Ø **      COPYRIGHT (C) 1989
*
6Ø **      FALSOFT INCORPORATED
*
7Ø ****
*
8Ø POKE65495,Ø:X=RND(-TIMER):CLE
AR15Ø:PCLEAR2:PMODE1,1:PCLS:DIMR
R(11,15),RL(11,15),ST(11,15),DU(
11,15),FB(11,5),FL(4Ø,8),BA(11,6
),MA(5),MB(5),MO$(5),BL(11,15),P
A(1Ø),PB(1Ø):CLSØ:PRINT@192," *
* PLEASE WAIT ONE MOMENT ** ";
9Ø DRAW"C3BM3,14E2U2RF2ND2H2LU4L
2G2NDE2R2DNR4U4C2U2R2D2C3BM28,14
H2U2LG2ND2E2RU4R2F2NDH2L2DNL4U4C
2U2L2D2BM3,31C3U2E2F2ND2H2U4L2NG
2R2R2NF2L2U2C2H2E2F2G2NU2":GET(3
1,Ø)-(2Ø,15),RL,G:GET(Ø,Ø)-(11,1
5),RR,G:GET(Ø,16)-(11,31),ST,G
1ØØ DRAW"C3BM1,47E4L2C2U2L2D2R2R
2C3R4D2G2R4BM18,32D3G2H2NU3F2D4R
2NE2L2L2NH2R2D2C2G2F2E2H2D2BM1Ø
,1ØØNR11R2U2NR4D4NR4":GET(Ø,32)-
(11,47),DU,G:GET(1ØØ,98)-(111,1Ø
3),FB,G
11Ø LA$="C3D24NR8U4NR8U4NR8U4NR8
U4NR8U4R8NU4D2Ø":COLOR4:LINE(Ø,Ø
)-(4Ø,6),PSET,B:COLOR2:LINE(Ø,2)-
(4Ø,4),PSET,BF:FORT=ØTO4ØSTEP4:
PSET(T,2,4):PSET(T+2,4,4):NEXTT:

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GET(Ø,Ø)-(4Ø,6),FL,G
12Ø DRAW"C3BM1ØØ,5ØU2R4ND4R2ND4R
4D2":GET(1ØØ,48)-(111,54),BA,G:P
CLS:M$(1)="T803CDEFG":M$(2)="O1T
1ØØFGFGABABCD":M$(3)="O1T3L4CP96
CL3FL4P24CFAP64CFAP64CFAFAO2C01A
FCP64CP96CL3F":M$(4)="O3T6CDEGP8
DT5G"
13Ø DRAW"S4":PCLS3:FORT=8ØTO82:C
IRCLE(T,6Ø),18,2,1,.15,.65:CIRCL
E(T+25,72),6,2,1,.15,.7Ø:NEXTT:D
RAW"BM8Ø,6ØC2NU14ND14BL3BD4NU11L
2NU11NM-3,+5R2U15E4R5NR5M+5,+4U2
BM1Ø5,66NM-4,-6M+6,+4D5NM-6,+4NF
4RNF4U12L2ND12NE4L2NE4NH2UH2NL4D
2L8"
14Ø DRAW"BM122,78NM+18,-19E2R4UN
L4R4D2NR6D2R4E4NU4L2U4NM-3,-2R2M
-4,-2L6NL4U2L6NU4R2U6R2D2NL2U4NR
4D2R8BE6BR8ND2ØG2ND18D2G2NR8G2NR
1ØR4D12F4U2NH4NE2U2H4BU18BR14ND2
2R2ND22NE4L2NE4NH2D22F4U2NH4E2BR
2ØBD2G2L8UNR6H2R2ND2NL4NU16L2U16
M+4,-2NM+8,+4D2M+8,+4M-1Ø,+8"
15Ø DRAW"BM3Ø,9ØE4NM+6,+2D2M+6,+2
M+18,-2NM-1Ø,+12NM-14,+12M-12,+1
2BL8NG4NR16G2R16NE4L8NM-14,+12L
2NM-12,+12M-1Ø,+12NG2NM+18,-2M+1
8,-4L2F2NM+4,+4M+4,+2E4BF4NR6F2R
NU24R2U24NE2L2NH2R2D1ØE6NM+4,+5D
2M+4,+5ND16R2D16NM-8,+2U2M-8,+4"
16Ø FORT=91TO93:CIRCLE(T,111),6,
2,1,.15,.7Ø:NEXTT:DRAW"BM91,1Ø4N
M-4,-6M+6,+4D5NM-6,+4NF4RNF4U12L
2ND12NE4L2NE4NH2UH2NL4D2L8BR24BU
2ND1ØR2ND1ØNR8E2R6ND15F2ND17R2NE
2R2NE2L4D17M+4,+4L2NM-4,-4R2D4G2
NL2U2L13NG2E2NR1ØR2BU12M+6,+3BR1
6U15M-2,-4NM+2,-4R2M+2,+4D15
17Ø DRAW"NM+6,+4L2M+8,+4E2U12NM-
2,-4R2NM-2,-4D1ØNM+6,+4L2M+8,+4E
2U12NM-2,-4R2NM-2,-4D1ØBR5BD2NR6
F2RNU24R2U24NE2L2NH2R2D1ØE6NM+4,
+5D2M+4,+5ND16R2D16NM-8,+2U2M-8,
+4":FORT=19ØTO193:CIRCLE(T,111),
6,2,1,.15,.7Ø:NEXTT
18Ø DRAW"BM191,1Ø4NM-4,-6M+6,+4D
5NM-6,+4NF4RNF4U12L2ND12NE4L2NE4
NH2UH2NL4D2L8BR26ND15NH4R2NH4D15
NF4D2NL2U15M+6,-5NF4ND2C1S8BM18,
4NR4D2R4D2NL4BR2U4R4D2NL4BD2BR2U

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2E2F2NL4D2BR2NR4U4R4BR2NR4D2NR2D
 2R4BR2NR4U4R4BR2NR4D4R4NU4BR2U2E
 2F2NL4D2BR2R4U2L4U2R4BR2R4L2"
 19Ø DRAW"D4BU4BR6BD4R4U2L4U2R4BR
 2ND4R4D4NL4BR2U2NR2U2R4BR2R4L2D4
 BR4NU4R2NU2R2NU4BR2U2NR4E2F2D2BR
 2U4R4D2L4R2F2BR2NR4U2NR2U2R4BM83
 ,16ND4R4D2NL4U2BR2ND4R4D2L4R2F2B
 R2NR4U2NR2U2R4BR2NR4D2R4D2NL4BR2
 NR4U2NR2U2R4BR2ND4F4U4BR2R4L2D4B
 R4R4U2L4U2R4"
 2ØØ DRAW"BM36,15ØU4R3FGNL3FGNL3B
 R5U2NH2E2BR6D4U2R2NE2F2BR2NR4U2N
 R2U2R4BR2R4L2D4NL2R2BR4U4NL2R2BR
 2D4U2R4NU2D2BR6R4U2L4U2R4BR2NR4D
 4R4BR2U4D2R4NU2D2BR2NU4R4U4BR2D4
 R4BR2NR4U2NR2U2R4BR2ND4R4D2L4R2F
 2BM9Ø,154GD2FBR2NR4U4R4BR2FD2GBR
 9U4BR2ND2R4D2NL4D2BR2"
 21Ø DRAW"NR4U2NR4U2R4ND4BR2R4G2D
 2C4BM53,178ND4R4D2NL4U2BR2ND4R4D
 2L4R2F2BR2NR4U2NR2U2R4BR2NR4D2R4
 D2NL4BR2R4U2L4U2R4BR6BD4U2NR4E2F
 2D2BR2U4F4U4BR2F2NE2D2BR1ØU4D2R2
 NE2F2BR2NR4U2NR2U2R4BR2F2NE2D2":
 SCREEN1,1
 22Ø FORT=1TO25ØØ:A\$=INKEY\$:IFA\$=
 ""THENEXTT
 23Ø SCREENØ,Ø:DRAW"S4":SC=Ø:ST=2
 5Ø:S=1:WR=1Ø:L1=63:L2=1Ø2:L3=143
 :L4=182:FF=Ø:WW=1:FG=Ø
 24Ø IF(S=5 OR S=1Ø)AND TI>1 THEN
 ST=25Ø
 25Ø TR=Ø:ON S GOTO 27Ø,29Ø,31Ø,3
 7Ø,27Ø,32Ø,34Ø,32Ø,37Ø,36Ø,42Ø
 26Ø PMODE1,1:PCLS:SCREENØ,Ø:FORT
 =6TO22ØSTEP4Ø:PUT(T,61)-(T+4Ø,67)
),FL,PSET:PUT(T,1ØØ)-(T+4Ø,1Ø6),
 FL,PSET:PUT(T,141)-(T+4Ø,147),FL,
 PSET:PUT(T,18Ø)-(T+4Ø,186),FL,P
 SET:NEXTT:COLOR2:LINE(Ø,Ø)-(255,
 2Ø),PSET,B:PAINT(1Ø,1Ø),3,2:RETU
 RN
 27Ø GOSUB26Ø:FORT=1TO3:READLX,LY
 :DRAW"BM"+STR\$(LX)+","+STR\$(LY)+
 LA\$":NEXTT:DATA23Ø,139,1Ø,98,21Ø,
 58,6Ø,139,8,98,62,58,3Ø,139,9Ø,1
 39,19Ø,139,234,99,148,99,1Ø,58,2
 ØØ,139,1Ø,98,21Ø,58
 28Ø LINE(118,3Ø)-(131,16Ø),PRESE
 T,BF:GOTO51Ø
 29Ø GOSUB26Ø:FORT=1TO3:READLX,LY
 :DRAW"BM"+STR\$(LX)+","+STR\$(LY)+
 LA\$":DRAW"BM"+STR\$(LX+17Ø)+","+ST
 R\$(LY)+LA\$":NEXTT
 3ØØ LINE(82,7Ø)-(166,19Ø),PRESET
 ,BF:GOTO51Ø
 31Ø GOSUB26Ø:LINE(61,98)-(72,147)
),PRESET,BF:LINE(46,179)-(84,191)
),PRESET,BF:LINE(11Ø,139)-(14Ø,1

47),PRESET,BF:FORT=1TO6:READLX,L
 Y:DRAW"BM"+STR\$(LX)+","+STR\$(LY)
 +LA\$":NEXTT:LINE(169,99)-(2ØØ,11Ø
),PRESET,BF:GOTO51Ø
 32Ø GOSUB26Ø:COLOR2:LINE(42,141)
 -(2Ø7,141),PSET:COLOR1:LINE(45,1
 74)-(59,191),PSET,BF:LINE(9Ø,174)
 -(98,191),PSET,BF:LINE(1Ø6,174)
 -(118,191),PSET,BF:LINE(17Ø,174)
 -(158,191),PSET,BF:LINE(192,174)
 -(2Ø6,191),PSET,BF:LINE(55,136)-
 (195,147),PSET,BF
 33Ø LINE(195,1ØØ)-(115,1ØØ),PSET
 ,BF:LINE(5Ø,58)-(7Ø,68),PSET,BF:
 FOR T=1TO5:READLX,LY:DRAW"BM"+ST
 R\$(LX)+","+STR\$(LY)+LA\$":NEXTT:GO
 TO51Ø:DATA23Ø,139,1Ø,98,38,58,23
 Ø,58,74,58
 34Ø GOSUB26Ø:COLOR1:LINE(4Ø,175)
 -(255,191),PSET,BF:LINE(45,134)-
 (59,151),PSET,BF:LINE(9Ø,134)-(9
 8,151),PSET,BF:LINE(1Ø6,134)-(11
 8,151),PSET,BF:LINE(17Ø,134)-(15
 8,151),PSET,BF:LINE(192,134)-(2Ø
 6,151),PSET,BF:LINE(7Ø,54)-(2ØØ,
 7Ø),PSET,BF
 35Ø LINE(135,9Ø)-(2ØØ,12Ø),PSET,
 BF:DRAW"C2BM245,1ØØL12":FORT=1TO
 3:READLX,LY:DRAW"BM"+STR\$(LX)+",
 "+STR\$(LY)+LA\$":NEXTT:GOTO51Ø:DAT
 A2ØØ,58,22Ø,98,1Ø,139,23Ø,139,1Ø
 ,98,38,58,23Ø,58,74,58
 36Ø GOSUB26Ø:COLOR1:LINE(135,58)
 -(195,191),PSET,BF:LINE(65,58)-(79,
 16Ø),PSET,BF:DRAW"C3BM37,18ØR
 14BM65,18ØR14BM88,18ØR14C2BM215,
 18ØR14":FORT=1TO3:READLX,LY:DRAW
 "BM"+STR\$(LX)+","+STR\$(LY)+LA\$":N
 EXT:GOTO51Ø:DATA12,99,121,58,12
 1,139
 37Ø PCLS1:DRAW"S8BM7Ø,9ØC3NR3D4R
 3EHNL3EHBR3NR4D4R4NU4BR2U4F4U4BR
 2D4R4U4BR2NR4D2R4D2NL4BR6U4R4D2L
 4R2F2BR2NR4U4R4D4BR2NR4U4R4D4BR2
 U4F2E2D4BR2BU4D2BD2RC1D":FORT=1T
 O65STEP4:COLOR2:LINE(T,T)-(256-T
 ,192-T),PSET,B:COLOR4
 38Ø LINE(T+2,T+2)-(256-(T-2),192
 -(T-2)),PSET,B:NEXTT:SCREEN1,Ø:P
 LAY"T4L4V3I03L16.:1;L32;1;L16.;1
 ;L32;1;L16.;1;L32;1;L16.;1;L32;5
 ;L16.;8;L32;5;L16.;8;L32;5;L16.;
 8;L32;5;L4;1":FORT=1TO5ØØ:NEXTT:
 LF=ST:TI=82:GOSUB26Ø
 39Ø DRAW"S4":COLOR4:LINE(Ø,24)-(8Ø,
 24),PSET:COLOR1:LINE(1ØØ,139)
 -(13Ø,147),PSET,BF:LINE(45,179)-
 (8Ø,191),PSET,BF:LINE(148,9Ø)-(2
 ØØ,147),PSET,BF:DRAW"BM11,139"+L
 A\$":DRAW"BM136,139"+LA\$":DRAW"BM86

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,139"+LA$:DRAW"BM136,99"+LA$:DRA
W"BM2Ø4,99"+LA$
4ØØ LINE(Ø,99)-(7Ø,1Ø6),PRESET,B
F:DRAW"BM236,59"+LA$:DRAW"BM74,5
9"+LA$
41Ø GOTO 51Ø
42Ø GOSUB26Ø:LINE(Ø,22)-(255,191
),PRESET,BF:DRAW"S8C2BM36,34NR4D
4R4BR2NR4U4R4D4BR2U4F4U4BR2BD4R4
U2NL2D2L4U4R4BR2ND4R4D2L4R2F2BR2
U2NR4E2F2D2BR4U4NL2R2BR2D4R4U4BR
2D4R4BR2U2NR4E2F2D2BR4U4NL2R2BR2
R4L2D4NL2R2BR2NR4U4R4D4BR2U4F4U4
BR2BD4R4U2L4U2R4BR2D2BD2UC1R"
43Ø GOSUB66Ø:PLAY"O2T5V31L1GCL2E
GL3.AL4EL1A03CL2D02GO3L1C":DRAW"
C4S8BM2Ø,65R4L2D4BR4U4D2R4NU2D2B
R2NR4U2NR2U2R4BR6D4R2NU2R2U4BR2R
4L2D4NL2R2BR2NR4E4NL4BR2BD4U2NR4
E2F2D2BR2U4R4D2L4R2F2BR2U4R3FD2G
NL3BR7U4D2R4U2D4BR2U2NR4E2F2D2BR
2R4U2L4U2R4BR6D4R3EHNL3EH
44Ø DRAW"NL3BR3NR4D2NR2D2R4BR2NR
4U2NR2U2R4BR2ND4F4U4BMØ,8ØNR4D2R
4D2NL4BR2NU4R4U4BR2NR4D4R4BR2NR4
U4R4BR2NR4D2NR2D2R4BR2R4U2L4U2R4
BR2NR4D2R4D2NL4BR2U2NR2U2R4BR2D4
R4U4BR2D4R4BR2NU4R4BR3U2NH2E2BR5
D4R3EU2HNL3BR3NR4D2NR2D2R4BR2R4U
2L4U2R4BR2R4L2D4BR4U4R4D2L4"
45Ø DRAW"R2F2BR2NR4U4R4D4BR4U2NH
2E2BR2NR4D2NR2D2R4BR2NU4R3EU2HNL
3C3":PLAY"O2AL2O3CO2AGABO3CO2F#A
O3DCL4O2BP4L2GFD":DRAW"BM4,11ØU2
NR4E2F2D2BR2U4F4U4BR2NR3D4R3EU2N
HBUBR6F2NE2D2BR4NR4U4R4D4BR2NU4R
4U4BR6NR4D2R4D2NL4"
46Ø DRAW"BR2U2NR4E2F2D2BR2U2NR2U
2R4BR2NR4D2NR2D2R4BR2BU4D4R4BR4U
2NH2E2BR4NR4D2NR2D2R4BR2R4U2L4U2
R4BR2NR4D4R4BR2U2NR4E2F2D2BR2U4R
4D2NL4U2BR2NR4D2NR2D2R4BR2NU4R3E
U2HL3BM38,118NR4D4R4BR2U2NR4E2F2
D2BR2R4U2L4U2R4BR2R4L2D4BR4NU4R4
BR2NR4U2NR2U2R4BR6"
47Ø DRAW"R4G4R4BR2U4D2R4NU2D2BR2
U2NR4E2F2D2BR2R4U2NL2D2L4U4R4BR2
D4R2NU2R2U4BR2D4U2R4NU2D2BR2U2NR
4E2F2D2BR2U4R4D2L4R2F2":PLAY"O3L
1CL2EGL3AP4EL1A04L1CL2D03GO4L1C"
:DRAW"C4BM34,14ØD4R4BR2R4L2U4NL2
R2BR2R4L2D4BR4U4D2R4NU2D2BR2U2NR
4E2F2D2BR2U4F4U4BR2BD4U2NR4E2
48Ø DRAW"F2D2BR6R4L2U4NL2R2BR2NR
4D2R4D2NL4BR6R4U2L4U2R4BR2BD4U2N
R4E2F2D2BR2BU4D2F2E2U2BR2NR4D2NR
2D2R4BR2NU4R3EU2HL3BR6D4UC1R":CO
LOR3:LINE(34,152)-(218,152),PSET
:PLAY"O3AL2O4CO3AGABO4CL4EP8L8GL
4F#GO4DP8O3L8GL4F#GL1O4CCC"
49Ø DRAW"C2BM85,17ØR4L2D4BR4U4D2

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R4NU2D2BR2NR4U2NR2U2R4BR6NR4D2NR
2D2R4BR2U4F4U4BR2NR3D4R3EU2"
5ØØ FORT=1TO6ØØØ:IF INKEY$="" TH
EN NEXT T:CLS:END ELSE CLS:END
51Ø PN=2:TR=Ø:ON S GOSUB 53Ø,54Ø
,55Ø,59Ø,53Ø,56Ø,58Ø,56Ø,59Ø,57Ø
:PB$="S2C3NR1ØU2L2NR14U2L2NR18U2
L2NR22U2NR22U2NR22U2NR22U2NR22BU
2BR2C2R18L2U2L14R2U2R1Ø":FORT=1T
O PN:DRAW"BM"+STR$(PA(T))+","+ST
R$(PB(T))+PB$:NEXTT
52Ø GOTO 6ØØ
53Ø TN(1)=Ø:TN(2)=Ø:TN(3)=Ø:PA(1)
=1ØØ:PB(1)=179:PA(2)=19Ø:PB(2)=
99:X=1Ø:Y=164:KA=2Ø:KB=53:LA=235
:LB=43:RETURN
54Ø PA(1)=4Ø:PB(1)=99:PA(2)=184:
PB(2)=99:X=1Ø:Y=164:KA=128:KB=53
:LA=19Ø:LB=163:RETURN
55Ø PA(1)=5Ø:PB(1)=139:PA(2)=128
:PB(2)=99:X=1Ø:Y=164:KA=21Ø:KB=9
3:LA=235:LB=43:RETURN
56Ø RA=45:RB=124:PA(1)=1ØØ:PB(1)
=99:PA(2)=1Ø:PB(2)=59:X=1Ø:Y=164
:KA=14Ø:KB=53:LA=198:LB=83:RETUR
N
57Ø PA(1)=238:PB(1)=99:PA(2)=238
:PB(2)=139:X=1Ø:Y=44:LA=7:LB=164
:KB=53:KA=235:WY=Y:RETURN
58Ø PA(1)=238:PB(1)=99:PA(2)=238
:PB(2)=139:X=35:Y=164:KA=5Ø:KB=5
3:LA=235:LB=43:RA=12:RB=44:RETUR
N
59Ø PN=1Ø:PA(1)=58:PB(1)=139:PA(
2)=22Ø:PB(2)=139:PA(3)=238:PB(3)
=179:PA(4)=22Ø:PB(4)=99:PA(5)=19
8:PB(5)=179:PA(6)=12:PB(6)=59:PA
(7)=42:PB(7)=59:PA(8)=1ØØ:PB(8)=
99:PA(9)=1ØØ:PB(9)=59:PA(1Ø)=19Ø
:PB(1Ø)=59:X=34:Y=164:LA=232:LB=
123:KA=115:KB=173:RETURN
6ØØ DRAW"S4BM"+STR$(KA)+","+STR$(
KB)+"C2D4L2U2NU2R8D2":DRAW"BM"+
STR$(LA)+","+STR$(LB)+"C3BD2ND13
E2R7F2D13L9":PAINT(LA+2,LB+2),3,
3:DRAW"BM"+STR$(LA+2)+","+STR$(L
B+8)+"C1R2C3D":RN=Ø:BN=Ø:ON S GO
TO 66Ø,61Ø,62Ø,66Ø,62Ø,66Ø,64Ø,6
2Ø,66Ø,63Ø
61Ø BN=2:BX(1)=1Ø:BY(1)=44:BD(1)
=1:BX(2)=23Ø:BY(2)=44:BD(2)=Ø:GO
TO65Ø
62Ø BN=2:BX(1)=1Ø:BY(1)=124:BD(1)
=Ø:BX(2)=1ØØ:BY(2)=44:BD(2)=Ø:I
F S=4 THEN BX(1)=31:GOTO65Ø ELSE
IF S=7 THEN BY(1)=84:GOTO65Ø ELS
E GOTO65Ø
63Ø BN=4:BX(1)=7Ø:BY(1)=84:BD(1)
=1:BX(2)=12Ø:BY(2)=44:BD(2)=Ø:BX
(3)=1ØØ:BY(3)=124:BD(3)=1:BX(4)=
1ØØ:BY(4)=164:BD(4)=1:GOTO65Ø

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64Ø BN=2:BX(1)=12Ø:BY(1)=44:BD(1)
)=Ø:BX(2)=1ØØ:BY(2)=124:BD(2)=1:
GOTO65Ø
65Ø IFBN>ØTHENFORT=1TOBN:PUT(BX(
T),BY(T))-(BX(T)+11,BY(T)+6),BA,
PSET:NEXTT
66Ø DRAW"BM6,6C1S8NR4D2R4D2NL4BR
2NR4U4R4BR2ND4R4D4NL4BR2U4R4D2L4
R2F2BR2NR4U2NR2U2R4BR2BDRBD2LRC3
U3BR4ØC1D4R4BR2R4L2U4NL2R2BR2NR4
D2NR2D2BR6NR4U2NR2U2R4BR2BDRBD2L
RC3U4":SCREEN1,Ø:FORT=2ØØTOST:DR
AW"BM"+STR$(T)+"13C1S4NU4":PLAY
"T255L255O3A":PLAY"T4L4"
67Ø NEXTT:IFS=1THENDRAW"C2S8BM73
,3ØNR4D4R4U2NL2D2BR2U4R4D4NL4BR2
NR4U4R4D4BR2RU4NLR2FD2GNL2BR7NU4
R4BR2NU4R4NU4BR2NR4U4R4BR2D4U2R2
NE2F2BR3UBUU2D3C1R":PLAY"O2L4T2Ø
CP1ØDP1ØEP1ØP1ØCP1ØDP1ØEP1ØP1ØCP
1ØDP1ØEP1ØP1ØT2GG":FORT=1TO1ØØØ:
NEXTT
68Ø IFS=1 THEN LINE(73,3Ø)-(2ØØ,
4Ø),PRESET,BF
69Ø PO=Ø:KC=Ø:GOSUB118Ø:IF S=11T
HEN RETURN ELSETIMER=Ø
7ØØ A=JOYSTK(Ø):B=JOYSTK(1):IFA>
1ØANDA<53 AND B>1ØANDB<53 AND PO
=ØAND PEEK(6528Ø)>>126 AND PEEK(
6528Ø)>>256 THEN75Ø
71Ø IF PEEK(6528Ø)=254 OR PEEK(6
528Ø)=126 THEN78Ø ELSE 72Ø
72Ø IFA<5 ANDX>7THENX=X-9:ST=ST-
.2:GOSUB122Ø:PUT(X+9,Y)-(X+2Ø,Y+
15),BL,PSET:PUT(X,Y)-(X+11,Y+15),
RL,PSET:PO=1:GOTO84Ø
73Ø IFA<1Ø ANDX>2 THENX=X-4:PUT(
X+4,Y)-(X+15,Y+15),BL,PSET:PUT(X,
Y)-(X+11,Y+15),RL,PSET:PO=1:GOT
O84Ø
74Ø IFA>1ØANDB>1ØANDA<53ANDB<53T
HENPUT(X,Y)-(X+11,Y+15),ST,PSET:
PO=Ø:GOTO84Ø
75Ø IFA>58 AND X<233AND S<>4THEN
X=X+9:ST=ST-.2:GOSUB122Ø:PUT(X-
1Ø,Y)-(X+5,Y+15),BL,PSET:PUT(X,Y
)-(X+11,Y+15),RR,PSET:PO=2:GOTO8
4Ø
76Ø IFA>53 ANDX<253-15THENX=X+4:
PUT(X-4,Y)-(X+11,Y+15),BL,PSET:PU
T(X,Y)-(X+11,Y+15),RR,PSET:PO=2
:GOTO84Ø
77Ø GOTO81Ø
78Ø IF A<1Ø OR A>53 THEN 79Ø ELS
EPUT(X,Y)-(X+11,Y+15),BL,PSET:PU
T(X,Y-15)-(X+11,Y),ST,PSET:ST=ST-
-1:GOSUB122Ø:PLAY"T255O3;12;1":P
UT(X,Y-15)-(X+11,Y),BL,PSET:PUT(
X,Y)-(X+11,Y+15),ST,PSET:IFS=4 O
RS=9 THENST=ST+1:GOTO84Ø ELSEGOT
O84Ø

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79Ø IFA<1Ø THEN8ØØELSEIFX>217THE
N86Ø ELSEPUT(X,Y)-(X+11,Y+15),BL
,PSET:PUT(X+15,Y-15)-(X+26,Y),RR
,PSET:ST=ST-1:GOSUB122Ø:PLAY"T25
5O3;12;1":PUT(X+13,Y-15)-(X+24,Y
),BL,PSET:X=X+25:PUT(X,Y)-(X+11,
Y+15),RR,PSET:IFS=4 ORS=9 THENST
=ST+1:GOTO84ØELSE84Ø
8ØØ IFX<29THEN 86Ø ELSEPUT(X,Y)-
(X+11,Y+15),BL,PSET:PUT(X-26,Y-1
5)-(X-15,Y),RL,PSET:ST=ST-1:GOSU
B122Ø:PLAY"T255O3;12;1":PUT(X-26
,Y-15)-(X-15,Y),BL,PSET:X=X-25:P
UT(X,Y)-(X+11,Y+15),RL,PSET:IFS=
4 OR S=9 THEN ST=ST+1:GOTO84Ø EL
SE84Ø
81Ø IFB<1Ø AND PPOINT(X+5,Y-2)=3
THEN PUT(X,Y)-(X+11,Y+15),BL,PS
ET:Y=Y-4Ø:PUT(X,Y)-(X+11,Y+15),S
T,PSET:GOTO84Ø
82Ø IFB>53 AND PPOINT(X+5,Y+19)=
3THEN PUT(X,Y)-(X+11,Y+15),BL,PS
ET:Y=Y+4Ø:PUT(X,Y)-(X+11,Y+15),S
T,PSET:GOTO84Ø
83Ø IFB>53 THEN PUT(X,Y)-(X+11,Y
+15),BL,PSET:PUT(X,Y)-(X+11,Y+15
),DU,PSET:PO=3:GOTO 84Ø
84Ø IFST<243ANDRND(17+INT(L*1.5)

```

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)=1 THEN DRAW"BM"+STR$(X+12)+" ,"
+STR$(Y+15)+"C4NU6R2NU1ØR2U6":PL
AYM$(4):DRAW"C1D6L2NU1ØL2U6":ST=
ST+INT(7/S):FORT=2ØØTOST:DRAW"BM
"+STR$(T)+" ,13NU4":NEXTT
85Ø IF S=4 ORS=9 THEN TI=TI-1:PS
ET(TI,24,1):IF TI<1 THEN TI=1
86Ø FOR T=1 TO PN:IF(Y=PB(T)-15AN
D X=>PA(T)-3)AND(Y=PB(T)-15AND X
=<PA(T)+7)THEN 87Ø ELSE NEXTT:GO
TO89Ø
87Ø TR=TR+1:DRAW"BM"+STR$(PA(T))
+", "+STR$(PB(T))+"S2C1NR1ØH2NR14
H2NR18H2NR22U2NR22U2NR22U2NR22BE
2R18H2L14E2R1Ø":DRAW"BM"+STR$(PA
(T))+", "+STR$(PB(T)-2)+"S4C2U6BR
4D6R4U6NL4BR4D6R4U6L4":PLAYM$(1)
:PA(T)=Ø:PB(T)=Ø:SC=SC+1ØØ:DRAW"
C1R4D6L4U6L4NR4D6L4U6BL4D6"
88Ø GOSUB118Ø:GOTO7ØØ
89Ø IF Y+15=KB+6AND X=>KA-3AND Y
+15=KB+6 AND X<=KA+7THEN 9ØØELSE
91Ø
9ØØ KC=1:LINE(KA-2,KB)-(KA+12,KB
+6),PRESET,BF:DRAW"C2BM"+STR$(KA
)+", "+STR$(KB)+"NR6F6NL6BR4U6R4D
6NL4":PLAYM$(1):DRAW"C1NR4U6L4D6
L4NL1ØH6R6":KA=Ø:KB=Ø:SC=SC+5Ø:G
OSUB118Ø:DRAW"C2BM136,4R4D2G2H2N
U2F2D8NL2U2NL2":GOTO7ØØ
91Ø IF PPOINT(X+5,Y+19)=1 AND Y<1
6Ø THEN FORY=Y TO Y+4Ø STEP4:PUT
(X,Y-8)-(X+11,Y+7),BL,PSET:PUT(X
,Y)-(X+11,Y+15),ST,PSET:PLAY"T25
502C":NEXTY:PUT(X,Y-8)-(X+11,Y+7
),BL,PSET:Y=Y-4:PUT(X,Y)-(X+11,Y
+15),DU,PSET:FA=1:ST=ST-1Ø:GOTO9
1Ø
92Ø IF SC>3999 AND SC<4351 THEN
FG=1
93Ø A$=INKEY$:IF FG=1AND A$=" "T
HEN PLAYM$(4):PLAYM$(1):FG=Ø ELSE
GOTO95Ø
94Ø FORT=1TO2Ø:SCREEN1,1:PLAY" L2
55T255O3A":SCREEN1,Ø:NEXTT:RESTO
RE:FORT=1TO15:READLX,LY:NEXTT:S=
6:ST=25Ø:PCLS1:FORT=1TO2Ø:SCREEN
1,1:PLAY"A":SCREEN1,Ø:NEXTT:PLAY
" L4T4":GOTO24Ø
95Ø IFFA=1 AND PPOINT(X+5,Y+19)<>
1THEN FA=Ø:PLAY M$(2):GOSUB122Ø:
GOTO7ØØ
96Ø IF PPOINT(X+5,Y+19)=1 AND Y>1
6Ø THEN ST=2ØØ:FORT=Y TO2ØØ STEP
4:PUT(X,T-4)-(X+11,T+11),BL,PSET
:PUT(X,T)-(X+11,T+15),ST,PSET:NE
XTT:PUT(X,T-4)-(X+11,T+11),BL,PS
ET:GOSUB122Ø:GOTO7ØØ
97Ø IF X=>LA AND Y=LB+1ANDX=<LA+1
ANDKC=1THEN PLAYM$(4):SC=SC+35Ø:G
OSUB118Ø:DRAW"S4":S=S+1:FORAA=1T
05ØØ:NEXTAA:IF ST<245 THEN ST=ST+5:
GOTO24Ø ELSE24Ø
98Ø IF(S=6ANDX>195ANDX<2Ø1AND Y=
124) OR(S=7ANDX>233ANDX<246AND Y
=84) OR(S=8ANDX>195ANDX<2Ø1AND Y
=124) THEN 99Ø ELSE 1ØØØ
99Ø FORT=Y+15 TO Y STEP-2:PUT(X,
Y)-(X+11,T),ST,PSET:PUT(RA,RB)-
(RA+11,RB+15),ST,PRESET:PUT(RA,RB
)-(RA+11,RB+15),ST,PSET:PLAY" L25
5T255O2A":NEXTT:LINE(X,Y)-(X+11,
Y+15),PRESET,BF:X=RA:Y=RB:PLAY" L
4T4"
1ØØØ IFS<>WR OR WW=Ø THEN 1Ø2Ø EL
SEIF RND(3)<>1 THEN 1Ø2Ø ELSE R=
RND(4):RR=RND(115)+5:IF R=1 THEN
RA=L1 ELSEIF R=2 THEN RA=L2 ELSEI
FR=3 THEN RA=L3 ELSEIF R=4 THENR
A=L4 ELSE1ØØØ
1Ø1Ø CIRCLE(RR,RA),5,1:PAINT(RR,
RA),1,1
1Ø2Ø IF S=WR AND WW=1 AND FF=Ø
THEN FF=1:PUT(218,WY)-(229,WY+15
),RL,PSET:COLOR2:LINE(231,WY)-(2
31,WY+15),PSET:FX=21Ø:FY=Y+9
1Ø3Ø IF S=WR AND FF=1 THEN PUT(F
X,FY)-(FX+11,FY+5),BL,PSET:FX=FX
-8:IF FX<=12 THEN FF=Ø ELSEPUT(F
X,FY)-(FX+11,FY+5),FB,PSET
1Ø4Ø IF S=WR AND FF=1 AND Y=FY-9
AND X>=FX-4 AND X+11<=FX+15 THE
N PLAY" T255L255O1FGT4L4":ST=ST-1
2:GOSUB122Ø:PUT(FX,FY)-(FX+11,FY
+5),BL,PSET:FF=Ø
1Ø5Ø IF S=WR AND WW=1 AND RND(6)
=1 THEN ST=ST-RND(3):SCREEN1,1:P
LAY" O5T255L255GL4T4":SCREEN1,Ø:G
OSUB122Ø
1Ø6Ø IF WW=1 AND S=WR THEN PUT(21
8,WY)-(229,WY+15),BL,PSET:LINE(2
16,WY)-(216,WY+15),PRESET:LINE(2
31,WY)-(231,WY+15),PRESET
1Ø7Ø IF WW=1 AND S=WR THEN PUT(21
8,Y)-(229,Y+15),ST,PSET:COLOR2:L
INE(216,Y)-(216,Y+15),PSET:WY=Y
1Ø8Ø IFS<>WR OR Y<>164 THEN 1Ø9Ø EL
SEIF X>53 AND X<=74 THEN 1Ø9Ø ELSE
IF X>=3Ø AND X<=45 THEN 1Ø9Ø ELSE I
FX>=84 AND X<1ØØ THEN 1Ø9Ø ELSE 1
1ØØ
1Ø9Ø ST=2ØØ:FORT=1TO15:PUT(X,Y)-
(X+11,Y+15),ST,PRESET:PLAY" L255T
255O4D":PUT(X,Y)-(X+11,Y+15),RL,
PRESET:PLAY"E":PUT(X,Y)-(X+11,Y+
15),RR,PRESET:PLAY"F":PUT(X,Y)-
(X+11,Y+15),BL,PSET:NEXTT:PLAY" T4
L4":GOSUB122Ø
11ØØ IF Y=164 AND WW=1 AND S=WR TH
EN 111Ø ELSE113Ø
111Ø FORT=1TO7:PUT(218,Y)-(229,Y
+15),BL,PSET:PUT(66,Y)-(77,Y+15)

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,ST,PRESET:PUT(66,Y)-(77,Y+15),BL,PSET:PLAY" L255T255O2A":NEXTT:PLAY" L4T4":FORT=1TO15:PUT(66,Y)-(77,Y+15),ST,PRESET:PUT(66,Y)-(77,Y+15),RL,PRESET:PUT(66,Y)-(77,Y+15),RR,PRESET
112Ø PUT(66,Y)-(77,Y+15),BL,PSET:PLAY" L255T255O4DEF":NEXTT:WW=Ø:PLAY" L4T4":COLOR4:LINE(132,63)-(195,61),PSET,B:LINE(132,1Ø3)-(195,1Ø1),PSET,B:LINE(132,143)-(195,141),PSET,B:LINE(216,Y)-(216,Y+15),PRESET
113Ø TM=41ØØ-S*85:IFTIMER>TM AND WW=1 AND S<>4 AND S<>9 THEN GOSUB1 29Ø
114Ø IF BN=Ø THEN 7ØØ ELSEFOR T=1 TO OBN:IF X<BX(T)+13 AND X+13>BX(T) AND PO<>3 AND Y=BY(T) THEN ST=S T-5:PLAY" T255O4A":GOSUB122Ø:NEXT T:GOTO115Ø ELSE NEXTT:GOTO115Ø
115Ø FORT=1TO BN:IF BD(T)=1 THEN BX(T)=BX(T)+4:PUT(BX(T)-4, BY(T))-(BX(T)+7, BY(T)+6),BL,PSET:GOTO116 ØELSE BX(T)=BX(T)-4:PUT(BX(T)+11, BY(T))-(BX(T)+26, BY(T)+6),BL,PS ET
116Ø PUT(BX(T), BY(T))-(BX(T)+11, BY(T)+6),BA,PSET:IF BD(T)=Ø THEN 1 17Ø ELSE IF PPOINT(BX(T)+13, BY(T)+6)<>1 OR BX(T)>=242 THEN BD(T)=Ø:PUT(BX(T), BY(T))-(BX(T)+11, BY(T)+6),BL,PSET:BX(T)=BX(T)-11:NEXTT:GOTO7ØØ ELSE NEXTT:GOTO7ØØ
117Ø IF PPOINT(BX(T)-2, BY(T)+6)<>1 OR BX(T)<=5 THEN BD(T)=1:PUT(BX(T), BY(T))-(BX(T)+11, BY(T)+6),BL,PSET:BX(T)=BX(T)+11:NEXTT:GOT 07ØØ ELSE NEXTT:GOTO7ØØ
118Ø SC$=STR$(SC):TT=LEN(SC$):COLOR3:LINE(7Ø,3)-(13Ø,17),PSET,BF:DRAW" S8BM7Ø,6C1":FORT=1TOT:T:C$=MID$(SC$,T,1)
119Ø IFC$="Ø"THEN DRAW" R4D4L4NU4B E4BR2"ELSE IFC$="1"THEN DRAW" BR2D4 BR4BU4"ELSE IFC$="2"THEN DRAW" R4D2 L4D2R4BU4BR2"ELSE IFC$="3"THEN DRAW" W"R4D2NL2D2NL4BU4BR2"ELSE IFC$="4"THEN DRAW" D2R3NU2NRD2BR3BU4"ELSE IFC$="5"THEN DRAW" NR4D2R4D2NL4BU4BR2"
12ØØ IFC$="6"THEN DRAW" NR4D4R4U2N L4BU2BR2"ELSE IFC$="7"THEN DRAW" R4 G2D2BR4BU4"ELSE IFC$="8"THEN DRAW" R4D4L4U2NU2R4U2BR2"ELSE IFC$="9"THEN DRAW" R4D4NL4U2L4U2BR6"
121Ø NEXTT:DRAW" S4":RETURN
122Ø COLOR3:IF ST<2ØØ THEN ST=2ØØ
123Ø LINE(25Ø,2)-(ST,16),PSET,BF:IF ST=2ØØ THEN 124Ø ELSE RETURN
124Ø PUT(X,Y)-(X+11,Y+15),BL,PSE

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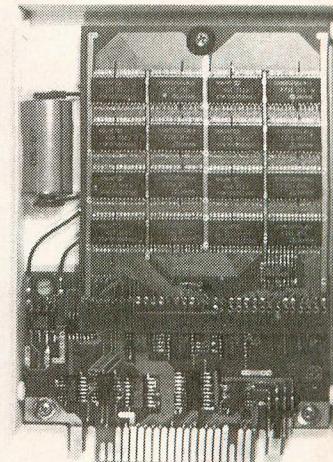
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T:DRAW" C2BM"+STR$(X)+" "+STR$(Y-4)+"BR6D2NR2NL2D6R6NR2NU2ND2L12NL2NU2ND2R6D1ØNL2NR2":PLAYM$(3)
125Ø DRAW" S8BM75,3ØNR4D4R4U2L2BU2BR4BR2G2D2U2R4NH2D2BR2U4F2E2D4BR2NR4U2NR2U2R4BR6ND4R4D4NL4BR2BR2H2NU2F2E2U2BR2NR4D2NR2D2R4BR2U4R4D2L4R2F2":A$=INKEY$:IFA$=""THE N126Ø ELSE SCREENØ,Ø:PMODE1,1:PCLS:RESTORE:GOTO23Ø
126Ø DRAW" S8C2BM53,7ØNR4D4U2R4U2BR2NR4D4U2R4NU2L2F2BR2NR4U2NR2U2R4BR2NR4D2R4D2NL4BR2R4U2L4U2R4BR6BD2ND2NR4E2F2D2BR2U4F4U4BR2F2NE2D2BR1ØU4D2R2NE2F2BR2NR4U2NR2U2R4BR2F2NE2D2":A$=INKEY$:IFA$=""THE N127Ø ELSE SCREENØ,Ø:PMODE1,1:PCLS:RESTORE:GOTO23Ø
127Ø DRAW" S8C2BM55,11ØR4L2D4BR4U4R4D4NL4BR6U4R4D2NL4U2BR2D4R4BR2BU4BD2ND2NR4E2F2D2BR4U2NH2E2BR6BD2ND2NR4E2F2D2BR2R4U2NL2D2L4U4R4BR2BD2ND2NR4E2F2D2BR2R4L2U4NL2R2BR2ND4F4U4":A$=INKEY$:IFA$=""THE NDRAW" C"+STR$(RND(3)+1):GOTO125Ø
128Ø SCREENØ,Ø:PMODE1,1:PCLS:RESTORE:GOTO23Ø
129Ø ST=ST-2:GOSUB122Ø:PLAY" T255 L255O3GL4T4":RETURN

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