

software

VIC 20

Il programma che vi proponiamo questo mese è un gioco che gira sul Vic dotato di un'espansione di memoria di 16 Kb. Esso è abbastanza vario e ben articolato e, benché abbiamo visto girare sul Vic giochi un po' più veloci, quello in questione non mancherà di divertirvi grazie alle difficoltà che propone le quali talvolta sono tutt'altro che banali.

La casa

di Marco Marinai - Pisa

Questo gioco «gira» su di un Vic 20 con almeno 16K Ram munito di joystick. Lo scopo del gioco è recuperare il tesoro nascosto chi sa dove nella casa della strega, piena di trabocchetti di ogni genere. Il gioco è dotato di ben

15 schemi diversi, che si succedono in maniera diversa ad ogni partita. A volte può succedere di dover superare più volte lo stesso schema, ma non preoccupatevi, è regolare che sia così. Ogni volta che superate un piano, uno schema, o quando trovate il tesoro, ricevete dei punti-bonus. Inoltre, nel caso troviate il tesoro, ricevete anche una

vita in regalo (all'inizio del gioco disponete di 3 vite). Per muovere l'omino usate il joystick. Potete usare anche shift per fermare il gioco e spazio per ricominciare; nella parte alta del video sono mostrati il punteggio e le vite a disposizione. Per iniziare premete il fire. Se quando scrivete il nome nella classifica commettete un errore, potete correggerlo selezionando la freccia a sinistra. Per concludere vi dico che il gioco è accompagnato da gradevoli musiche e da effetti sonori interessanti. Buona fortuna!

Per caricare il programma spingere il Vic, inserire l'espansione da 16K Ram (o più) e digitare:

```
POKE648,30:SYS58648:POKE
642,32:SYS58232 (RETURN).
```

Quindi posizionare il nastro all'inizio del programma numero 1 e premere SHIFT+RUN/STOP.

Miniarchivio

Per risolvere alcuni problemi, legati alla funzione di cancellazione, che possono sorgere con l'uso del programma Miniarchivio, pubblicato sul numero 49 nella rubrica del software dedicato al Vic 20, aggiungete al listato denominato «D» le seguenti righe:

```
20200 IFZL>0THENGOSUB37000:GOSUB23350:RC=RC-1
20340 IFZL=0THENR#="" :FORI=1TOLU-1:R#=R#+"" :NEXT:GOSUB21700:GOSUB11200
20350 CLOSE2:GOSUB43450:RETURN
```

Listato 1

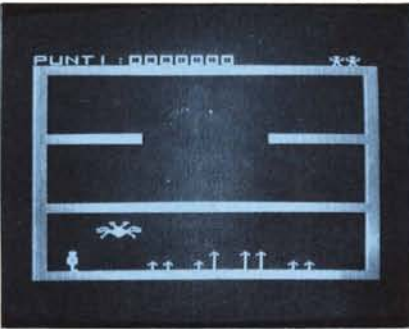
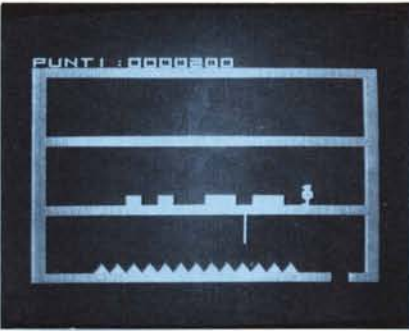
```
10 REM*****
20 REM* LA CASA *
30 REM* ©1985 DI *
40 REM** MARCO MARINAI **
50 REM*****
60 IFPEEK(642)<320RPEEK(648)<38THENPRINT"DIGITA LE POKES E RIPE-TI IL TROVATO."
" END
70 POKE36879,8:PRINT"J":POKE36869,253
80 FORI=5120T05335:RERROR:POKET,R: NEXT:FORI=5336T05503:POKET,PEEK(T+27649):NEXT
90 FORI=5504T05583:RERROR:POKET,R: NEXT:FORI=5584T06143:POKET,PEEK(T+27649):NEXT
100 FORI=6144T06479:RERROR:POKET,R: NEXT:FORI=6480T07167:POKET,PEEK(T+27648):NEXT
110 PRINT"J":PRINT"*****"
120 PRINT"*****"
130 PRINT"*****"
140 PRINT"*****"
150 PRINT"*****"
160 PRINT"*****"
170 PRINT"*****"
180 PRINT"*****"
190 PRINT"*****"
200 PRINT"*****"
210 PRINT"*****"
220 PRINT"*****"
230 PRINT"*****"
240 PRINT"*****"
250 PRINT"*****"
260 PRINT"*****"
270 PRINT"*****"
280 PRINT"*****"
290 PRINT"*****"
300 PRINT"*****"
310 PRINT"*****"
320 PRINT"*****"
330 PRINT"*****"
340 POKE36878,15:POKE36875,255:POKE36876,128:G#=""
350 RERROR:IFR#=""THENH410
360 C1=B1+R#
370 FORI=1T0LEN(R#):PRINT"*****"
380 POKE6472+RND(1)*8,RND(1)*256
385 FORI=0T0100:NEXT
390 GETO:IFD<>"":THENH420
400 NEXT:G#=""
410 POKE6472+RND(1)*8,RND(1)*256:FORI=0T0120:NEXT:GETR:IFR#=""THENH410
420 POKE36875,0:POKE36876,0:POKE36878,0:PRINT"J"
430 POKE198,1:POKE631,131
440 REM
450 DATA126,129,153,145,145,129,126
460 DATA126,66,66,66,126,66,66,66,0
470 DATA124,68,68,126,66,66,126,0
480 DATA126,64,64,64,64,64,126,0
490 DATA120,69,66,66,66,66,120,0
500 DATA126,64,64,126,64,64,126,0
510 DATA126,64,64,126,64,64,64,0
520 DATA126,64,64,70,66,66,126,0
530 DATA65,66,66,126,66,66,66,0
540 DATA15,15,15,15,15,15,15,0
550 DATA126,8,8,8,8,120,0
560 DATA79,72,89,96,80,72,79,0
570 DATA64,64,64,64,64,64,64,126,0
580 DATA65,96,82,74,70,66,66,0
590 DATA126,66,66,66,66,66,126,0
600 DATA126,66,66,126,64,64,64,0
620 DATA126,66,66,66,66,79,126,3
630 DATA126,66,66,126,72,68,66,0
```

Listato 2

```

10 DIMN1(70),N2(52),H1$(7):V=36878:V1=V-4:V2=V-3:V3=V-2:V4=V-1:CS=V+1:JJ=37154
20 PA=JJ-3:PB=PA+1:CO=30720:FORT=0T069:READN1$(T):NEXT:FOR=0T052:READN2$(T):NEX
T
30 FORT=0T07:H1$(T)="00000000 + " :NEXT:POKECS,8:POKEV-9,253:POKEV,15:GOTO
1000
40 SC=0:LV=1:RD=1:VT=3:OD=INT(RND(1)*14)+1
50 PRINT "D":IFVT>1THENFORT=0T07-V2:POKE7699+T+CO,4:POKE7699+T,139:NEXT
60 IFFD=10+LV*5THENGOSUB2900:OD=15:GOTO100
70 FORT=7702T08164STEP22:POKET+CO,6:POKET+21+CO,6:POKET,160:POKET+21,160:NEXT
80 FORT=0T03:FORI=7702T07723:POKEI+T*154+CO,6:POKEI+T*154,160:NEXT:NEXT
90 ONODGOSUB1500,1600,1700,1800,1900,2000,2100,2200,2300,2400,2500,2600,2700,280
0
100 NF=1:FORT=6480T06495:POKET,0:NEXT:PO=8143:POKEPO-22+CO,1:POKEPO+CO,1:POKEPO-
22,170
110 POKEPO,171:FORT=15T00STEP-1:POKE6480+T,PEEK(6160+T):POKEV,200:POKEV,200:PO
KEV,T
120 FORI=1T0100:NEXT:POKEV,0:POKEV,0:NEXT:POKEV,15:POKEPO-22,130:POKEPO,131:ID=
1
130 IFPEEK(653)=1THEN130
140 IFPEEK(197)=32THEN1000
150 R1=PEEK(PA):POKEJJ,127:R2=PEEK(PB):POKEJJ,255:IF(R1AND32)=0THEN300
160 IF(R1AND0)=0THEN700
170 Z=<<(R1AND16)=0>>-<<(R2AND128)=0>>:IFZ<0ANDPEEK(PO+Z)<160THENZ=Z:GOTO100
175 GOTO220
180 POKEPO-22,32:POKEPO,32:PO=PO+D:P=PEEK(PO):Q=PEEK(PO-22):POKEPO-22+CO,1:POKEP
O+CO,1
190 POKEPO-22,129+D:POKEPO,130+D:POKEV,200:POKEV,0
200 IFF<320R0<320RPEEK(PO+22)=32THEN3000
210 IFFO=81610RPO=79900RPO=7953THEN3500
220 ONODGOSUB4000,4100,4200,4300,4400,4500,4600,4700,4800,4900,5000,5100,5200,53
00,5400
230 IFPEEK(PO-22)<129+DORPEEK(PO)<130+DORPEEK(PO+22)=32THEN3000
240 PRINT "PUNTI : "PUNTI: "RIGHT$( "00000000 " + RIGHT$(STR$(SC),LEN(STR$(SC))-1),7)
250 GOTO130
300 DS=<<(R1AND16)=0>>-<<(R2AND128)=0>>:S=DS:IFDS=0THENS=0
310 IFPEEK(653)=1THEN310
320 IFPEEK(197)=32THEN1000
330 POKEPO-22,32:POKEPO,32:PO=PO-22:IFPEEK(PO+DS)<160THENPO=PO+DS
340 P=PEEK(PO):Q=PEEK(PO-22):POKEPO-22+CO,1:POKEPO+CO,1:POKEPO-22,129+S:POKEPO,1
30+S
350 IFF<320R0<32THEN3000
360 IFPEEK(PO-44)=93THEN600
370 ONODGOSUB4000,4100,4200,4300,4400,4500,4600,4700,4800,4900,5000,5100,5200,53
00,5400
380 IFPEEK(PO-22)<129+SORPEEK(PO)<130+STHEN3000
390 IFPEEK(PO-44)=93THEN600
400 IFPEEK(653)=1THEN400
410 IFPEEK(197)=32THEN1000
420 POKEPO-22,32:POKEPO,32:IFPEEK(PO+DS)<160THENPO=PO+DS

```



Questo programma è disponibile su casetta presso la redazione. Vedere l'elenco dei programmi disponibili e le istruzioni per l'acquisto a pag. 159.

(continua a pagina 150)

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640 DATA126,64,64,126,2,2,126,0
650 DATA126,16,16,16,16,16,16,0
660 DATA66,66,66,66,66,66,126,0
670 DATA66,66,66,66,66,66,36,24,0
680 DATA66,66,66,90,90,102,66,0
690 DATA0,66,36,24,24,36,66,0
700 DATA66,66,66,36,24,24,24,0
710 DATA126,2,4,8,16,32,126,0
720 DATA126,66,66,66,66,66,126,0
730 DATA8,8,8,8,8,8,0
740 DATA126,2,2,126,64,64,126,0
750 DATA126,2,2,126,2,2,126,0
760 DATA66,66,66,126,2,2,2,0
770 DATA126,64,64,126,2,2,126,0
780 DATA126,64,64,126,66,66,126,0
790 DATA126,2,2,2,2,2,2,0
800 DATA126,66,66,126,66,66,126,0
810 DATA126,66,66,126,2,2,126,0
820 DATA56,120,56,16,56,100,100,100
830 DATA100,124,56,16,16,16,16,112
840 DATA20,30,20,8,20,54,54,54
850 DATA54,62,28,8,8,8,14
860 DATA0,0,0,0,126,129,126
870 DATA0,31,31,11,131,135,205
880 DATA0,8,20,62,0,0,0
890 DATA255,255,255,255,255,255,255,255
900 DATA0,2,31,2,0,0,0
910 DATA0,0,31,0,0,0,0
920 DATA16,16,56,56,124,124,254,254
930 DATA56,196,146,254,56,56,40,100
940 DATA255,255,255,255,255,255,255,255
950 DATA0,0,0,30,90,9,119
960 DATA105,129,66,36,24,60,126,219
970 DATA120,0,0,56,70,144,230
980 DATA2,4,16,16,0,0,0
990 DATA255,126,60,24,0,0,0
1000 DATA128,64,32,16,16,0,0
1010 DATA0,0,3,7,15,31,63,63
1020 DATA0,6,19,22,24,240,240,252,231,199
1030 DATA0,6,19,22,24,240,240,252,252
1040 DATA127,127,255,225,224,225,127,127
1050 DATA199,199,199,199,199,199,231,231
1060 DATA204,254,255,235,235,255,254,254
1070 DATA63,63,31,15,7,3,0,0
1080 DATA255,255,235,235,255,255,255,60
1090 DATA32,252,248,240,224,192,0,0
1100 DATA3,4,0,17,34,60,136,235
1110 DATA255,66,129,0,0,0,0,255
1120 DATA192,32,16,136,60,34,17,255
1130 DATA136,139,138,138,139,136,255
1140 DATA255,255,255,255,255,255,255,255
1150 DATA0,137,170,186,178,171,0,255
1160 DATA17,145,145,145,145,145,17,255
1170 DATA255,255,255,255,255,255,255,255
1180 DATA231,231,231,231,231,231,231,231
1190 DATA195,195,195,195,195,195,195,195
1200 DATA129,129,129,129,129,129,129,129
1210 DATA66,120,56,16,120,104,104,248
1220 DATA20,20,8,30,22,2,31
1230 DATA255,255,255,255,255,255,255,255
1240 DATA"LA STREGA E' AFFENA US"
1250 DATA"CIÒ DI CASA PER LA SU"
1260 DATA"LA SOLITA PASSEGGIATA S"
1270 DATA"PROFITTI PER ENTRARE NE"
1280 DATA"LA SUA DIMORA PER IMP"
1290 DATA"PRONIRTI DEL SUO TESO"
1300 DATA"RO. LA CASA E' PERO' P"
1310 DATA"IA DI TRABOCCHETTI D"
1320 DATA"VARIO GENERE CHE OST"
1330 DATA"ACOLERANNO IL TUO CRAM"
1340 DATA"IND. PER MUOVERE L'ORI"
1350 DATA"NO USA IL JOYSTICK. "
1360 DATA"
1370 DATA"BUONA FORTUNA I "
1380 DATA"
1390 DATA"e"

```

READY.

(segue da pagina 149)

2

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430 P=PEEK(PO): @PEEK(PO-22): POKEPO-22+CO, 1: POKEPO-22, 129+S: POKEPO, 1
30+S
440 IFF<>320PO<>32THEN3000
450 IFFPEEK(PO-44)=95THEN3000
460 @00000SUB4000, 4100, 4200, 4300, 4400, 4500, 4600, 4700, 4800, 4900, 5000, 5100, 5200, 53
00, 5400
470 IFFPEEK(PO-22)<>129+SORPEEK(PO)<>130+STHEN3000
480 IFFPEEK(PO-44)=95THEN3000
490 IFFPEEK(653)=1THEN490
500 IFFPEEK(197)=32THEN1000
510 POKEPO-22, 32: POKEPO, 32: PO+PO+22: IFFPEEK(PO+DS)<>160THENPO+PO+DS
520 P=PEEK(PO): @PEEK(PO-22): POKEPO-22+CO, 1: POKEPO+CO, 1: POKEPO-22, 129+S: POKEPO, 1
30+S
530 IFF<>320R0<>32ORPEEK(PO+22)=32THEN3000
540 POKEV3, 200: POKEV3, 0: IFFPO=81610RPO=79900RPO=78530THEN3000
550 @00000SUB4000, 4100, 4200, 4300, 4400, 4500, 4600, 4700, 4800, 4900, 5000, 5100, 5200, 53
00, 5400
560 IFFPEEK(PO-22)<>129+SORPEEK(PO)<>130+SORPEEK(PO+22)=32THEN3000
570 @0=5: GOTO130
580 IFFPEEK(653)=1THEN600
610 IFFPEEK(197)=32THEN1000
620 IFFPEEK(197)=32THEN1000
630 @00000SUB4000, 4100, 4200, 4300, 4400, 4500, 4600, 4700, 4800, 4900, 5000, 5100, 5200, 53
00, 5400
640 IFFPEEK(PO-22)<>129+DORPEEK(PO)<>130+DTHEN3000
650 GOTO0500
660 POKEPO-22, 32: POKEPO, 32: PO+PO+22: P=PEEK(PO): @PEEK(PO-22): POKEPO-22+CO, 1: POKE
PO+CO, 1
670 POKEPO-22, 129+D: POKEPO, 130+D: POKEV3, 200: POKEV3, 0
675 IFF<>320R0<>32ORPEEK(PO+22)=32THEN3000
680 GOTO130
700 POKEPO-22, 32: POKEPO, 167-(D=1)
710 IFFPEEK(653)=1THEN710
720 IFFPEEK(197)=32THEN1000
730 IFFPEEK(197)=32THEN1000
740 @00000SUB4000, 4100, 4200, 4300, 4400, 4500, 4600, 4700, 4800, 4900, 5000, 5100, 5200, 53
00, 5400
750 IFFPEEK(PO)<>167-(D=1)THEN3000
760 FOR=0TO100: NEXT: GOTO710
1000 PRINT"#####"
1010 PRINT"#####"
1020 PRINT"#####"
1030 PRINT"#####"
1040 PRINT"#####"
1050 PRINT"#####"
1060 PRINT"#####"
1070 PRINT"#####"
1080 PRINT"#####"
1090 PRINT"#####"
1100 PRINT"#####"
1110 PRINT"#####"
1120 PRINT"#####"
1130 PRINT"#####"
1140 PRINT"#####"
1150 PRINT"#####"
1160 PRINT"#####"
1170 PRINT"#####"
1180 PRINT"#####"
1190 PRINT"#####"
1200 PRINT"#####"
1210 PRINT"#####"
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1900 PRINT"#####"
1910 PRINT"#####"
1920 PRINT"#####"
1930 PRINT"#####"
1940 PRINT"#####"
1950 PRINT"#####"
1960 PRINT"#####"
1970 PRINT"#####"
1980 PRINT"#####"
1990 PRINT"#####"
2000 PRINT"#####"

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4

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3130 NEXT: IFFH=7THEN3150
3140 FOR=2TOH+1STEP-1: HI$(T)=HI$(T-1): NEXT
3150 PRINT"MSI BL "H+1"IP POSTO .". PRINT"MSCRIVI IL TUO NOME "HI": HI$="" : Z=65
3160 R1=PEEK(PA): POKEJJ, 127: R2=PEEK(PB): POKEJJ, 255: Z=Z+(R1AND16)=0-<<(R2AND128)
=>0
3170 IFFZ=95THENZ=32
3180 IFFZ<>32THENZ=95
3185 IFFZ=34THENZ=Z+(R1AND16)=0-<<(R2AND128)=0
3190 PRINTCHR$(Z): "IP": IFF(R1AND32)<>3THEN3160
3200 IFFZ=95ANDHIS="": THEN3160
3210 IFFZ=95THENPRINT"II III": HIS=LEFT$(H$, LEN(H$)-1): GOTO03160
3220 HIS=CHR$(Z): PRINTCHR$(Z): IFFLEN(H$)<>8THEN3160
3230 HIS$(H)=RIGHT$(H$(H$), 8): IFFLEN(H$)<>8THEN3160
3240 PRINTCHR$(13): "IIIIIRIGHT$(H$(H$), 8): FOR=0TO2500: NEXT: GOTO1000
3500 FOR=163TO10166: POKEPO-132, T: FOR=0TO350: NEXT: NEXT: POKEPO-132, 32: FOR=1TO7
3510 POKEPO+22, 32: POKEPO+CO, 6: POKEPO, 140: POKEPO-22, 130+D: POKEPO-44+CO, 1: POKEPO-4
4, 129+D
3520 POKEV2, 129+T*7: FOR=0TO250: NEXT: PO+PO-22: NEXT: POKEV2, 0: IFFD=10+LV*5THEN3570
3530 IFFP=3THEN3550
3540 NP=NP+1: SC=SC+(100*(RD-1)+NP)*VT*LV: GOTO130
3550 Z=INT(RND(1)*14)+1: IFFZ=00THEN3550
3560 @D=Z: SC=SC+(100*P*LV)*VT: SC=SC+4100*(RD-1)+NP*VT*LV: RD=RD+1: GOTO50
3570 PRINT"### HAI VINTO!"
3580 FOR=15TO5STEP-1/(N1$(T)-100*INT(N1$(T)/100)): POKEV, I: FORJ=0TO0: NEXT: NEXT
3590 NEXT: FOR=0TO34: POKEV3, N1$(T)/100
3600 FOR=15TO5STEP-1/(N1$(T)-100*INT(N1$(T)/100)): POKEV, I: FORJ=0TO0: NEXT: NEXT
3610 NEXT: POKEV3, 0: POKEV, 15
3620 PRINT"###"
3630 PRINT"#####"
3640 VT=VT+1: LV=LV+1: RD=1: @D=INT(RND(1)*14)+1: FOR=0TO2000: NEXT: GOTO50
4010 @000SUB5500: RETURN
4020 @000SUB5600: RETURN
4030 RETURN
4100 @4-NP0GOTO4110, 4120, 4130
4110 @000SUB5800: RETURN
4120 @000SUB5900: RETURN
4130 @000SUB5700: RETURN
4200 @4-NP0GOTO4210, 4220, 4230
4210 @000SUB5800: GOSUB5900: RETURN
4220 @000SUB6000: RETURN
4230 @000SUB6100: RETURN
4300 @4-NP0GOTO4310, 4320, 4330
4310 @000SUB5700: GOSUB6000: RETURN
4320 @000SUB6100: RETURN
4330 @000SUB5800: GOSUB5900: RETURN
4400 @4-NP0GOTO4410, 4420, 4430
4410 @000SUB5900: RETURN
4420 @000SUB5700: RETURN
4430 @000SUB5500: GOSUB5500: RETURN
4500 @4-NP0GOTO4510, 4520, 4530
4510 @000SUB5700: RETURN
4520 @000SUB5800: GOSUB5900: RETURN
4530 @000SUB5500: GOSUB5500: RETURN
4600 @4-NP0GOTO4610, 4620, 4630
4610 @000SUB5500: GOSUB5800: RETURN
4620 @000SUB5600: GOSUB6000: RETURN
4630 @000SUB5900: GOSUB6100: RETURN
4700 @4-NP0GOTO4710, 4720, 4730
4710 @000SUB6400: RETURN
4720 @000SUB5800: GOSUB5900: RETURN
4730 @000SUB5500: GOSUB6100: GOSUB6200: GOSUB6300: RETURN
4800 @4-NP0GOTO4810, 4820, 4830
4810 @000SUB6700: RETURN
4820 @000SUB5500: RETURN
4830 @000SUB5800: GOSUB5900: RETURN
4900 @4-NP0GOTO4910, 4920, 4930
4910 @000SUB5500: GOSUB6200: GOSUB6000: RETURN
4920 @000SUB6700: GOSUB5800: GOSUB6400: RETURN
4930 @000SUB5900: RETURN
5000 @4-NP0GOTO5010, 5020, 5030
5010 @000SUB6600: GOSUB6000: GOSUB5500: RETURN
5020 @000SUB6200: GOSUB5800: GOSUB5900: RETURN
5030 @000SUB6300: GOSUB6100: RETURN
5100 @4-NP0GOTO5110, 5120, 5130
5110 @000SUB5700: GOSUB5800: GOSUB5900: RETURN
5120 @000SUB6200: GOSUB6600: RETURN
5130 @000SUB6000: GOSUB6300: RETURN

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