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ADDENDUMS TO THE LEVEL I GAMES PACK

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THE FOLLOWING PAGES LIST THE CHANGES REQUIRED AFTER CONVERSION
FROM LEVEL I TO LEVEL II USING THE PROGRAM CONVERSION TAPE

HAMURABI IS NOT LISTED SINCE IT
REQUIRES NO CHANGES AFTER CONVERSION

TO QUICKEN THE INITIAL DRAWING OF 'CHECKERS'
TRY CHANGING/ADDING THE FOLLOWING LINES :

```
100  GOSUB 3000 : GOSUB 2500
3000  CLS : FOR X=0TO7 : FOR Y=0TO7 : PRINT@((128*X)+(8*Y)),
      (8*X+Y+1); : NEXT Y : NEXT X
3005  A#=STRING$(8,191)
3010  FOR X=0TO6 STEP2 : FOR Y=0TO6 STEP2 : Z=((128*X)+(8*Y)) :
      PRINT@Z,8*X+Y+1; : PRINT@Z,A#; : PRINT@Z+64,A#; : PRINT@Z+
      136,A#; : IF Z<>816 PRINT@Z+200,A#; : NEXT Y,X
3012  FOR X=112TO127 : FOR Y=45TO47 : SET(X,Y) : NEXT Y,X
3015  PRINT@62,""; : RETURN
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* * * * * ADDENDUM TO CHECKERS * * * * *

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230 FOR N=1TO64 : GOSUB 3500 : NEXT N : N=1 : PRINT@192,"WANT TO GO
    FIRST (Y/N) ";
235 A$=INKEY$ : IF A$="" THEN 235
240 PRINT@192,""; : GOSUB 6000; : IF A$="N"
    GOSUB 5000
1000 PRINT@184,""; : PRINT@184,"FROM";
1001 A$=INKEY$ : IF A$="" THEN 1001 ELSE PRINT@188,A$;
1002 B$=INKEY$ : IF B$="" THEN 1002 ELSE PRINT@189,B$;
1003 F$=A$+B$ : F=VAL(F$) : Q=1
1005 IF (F<1)+(F>64) THEN GOSUB 6000 : GOTO 1000
1006 PRINT@184," TO ";
1007 A$=INKEY$ : IF A$="" THEN 1007 ELSE PRINT@188,A$;
1008 B$=INKEY$ : IF B$="" THEN 1008 ELSE PRINT@189,B$;
1009 T$=A$+B$ : T=VAL(T$) : IF (T=0) AND (Q=0) THEN RETURN
1010 IF (T<1)+(T>64) THEN GOSUB 6000 : GOTO 1006
1200 IF (ABS(T-F)=7) OR (ABS(T-F)=9) THEN RETURN
1260 FOR B=7 TO 9 STEP2 : G=T+B : IF (G>64) OR (G+B>64) THEN 1266
1265 IF ((A(G)=1) OR (A(G)=2)) AND (A(G+B)=0) THEN F=T : Q=0 :
    GOTO 1006
1270 FOR B=-9TO-7 STEP2 : G=T+B : IF (G<0) OR (G+B<0) THEN 1290
1280 IF ((A(G)=1) OR (A(G)=2)) AND (A(G+B)=0) THEN F=T : Q=0 :
    GOTO 1006
1500 Q=0 : IF (A(F)>-1) OR (A(T)<0) THEN RETURN
1560 IF (F-T=B) OR ((F-T=2*B) AND ((A((F+T)/2)=1) OR (A(
    (F+T)/2)=2))) THEN Q=1
2000 IF U=1 H=8 ELSE H=6
2001 FOR X=UTOH STEP2 : W=16*X
2005 FOR Y=UTOH STEP2 : Z=6*Y
3015 PRINT@62,""; : RETURN
5000 Q=-99 : FOR I=1TO64 : IF (A(I)<1) OR (A(I)>2) THEN 5050
5080 IF (ABS(F-T)<0>14) AND (ABS(F-T)<0>18) THEN RETURN
5087 FOR B=-9TO-7 STEP2 : C=T+B : IF (C<0) OR (C+B<0) THEN 5089
5088 IF (A(C)<0) AND (A(C+B)=0) THEN F=T : T=C+B : GOTO 5070
5090 FOR B=7TO9 STEP2 : C=T+B : IF (C>64) OR (C+B>64) THEN 5098
5091 IF (A(C)<0) AND (A(C+B)=0) THEN F=T : T=C+B : GOTO 5070
5100 R=-99 : J=I+B : K=0 : IF (J<0) OR (J>64) THEN 5200
5108 IF (J+B<0) OR (J+B>64) THEN 5115
5110 IF (A(J+B)=0) AND (A(J)<0) THEN R=5 : K=1 : L=J+B
5190 C=RND(0) : IF (R>Q) OR ((R=Q) AND (C>.4)) THEN Q=R : F=I : T=L
5250 G=I+A : H=I-A : IF (G>64) OR (G+A>64) THEN 5270
5255 IF ((A(G)=1) OR (A(G)=2)) AND (A(G+A)<0) THEN R=R-8
5260 IF (A(G)<0) AND (A(H)=0) THEN R=R+4
5265 IF (A(H)=-2) AND (A(G)=0) THEN R=R+4
5270 IF (H<0) OR (H-A<0) THEN 5300
5280 IF ((A(H)=1) OR (A(H)=2)) AND (A(H-A)=-2) THEN R=R-8
5305 IF (A(G)<0) AND ((A(H)=0)+(I=H)) THEN R=R-10 : GOTO 5307
5306 IF (A(H)=-2) AND ((A(G)=0) OR (I=G)) THEN R=R-10
5310 IF (A(G)<0) AND (A(G+A)=0) THEN R=R+5+K*10
5330 IF ((A(G)=1) OR (A(G)=2)) AND (A(G+A)<0) THEN R=R+4 : S=S+4
5335 IF (H<0) OR (H-A<0) THEN 5350
5340 IF ((A(H)=1) OR (A(H)=2)) AND (A(H-A)=-2) THEN R=R+4 : S=S+4
5350 IF R>S R=S
6200 FOR N=9TO15 STEP2 : GOSUB 3500 : NEXT N : FOR X=0TO1 :
    FOR Y=12TO14 : SET(X,Y) : NEXT Y : NEXT X : RETURN

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* * * * * SPACE TAXI ADDENDUM * * * * *

FOR THIS PROGRAM CHANGE THE SEMICOLONS (;) TO COMMAS (,) AFTER ALL PRINT\$ STATEMENTS IN THE FOLLOWING LINES :

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321
330
340                (ADD SEMICOLONS TO THE END
341                OF LINES 340 & 341.)
350
360
600
621  (ADD COMMA TO END OF LINE)
680
681
700
710
811  (ADD COMMA TO END OF LINE)
1020
1100
1120

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ADD THE FOLLOWING CHANGES :

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410 IF H<0 THEN C=C-1 : M=M-1 : GOTO 430
430 IF V<0 THEN D=D-1 : N=N-1 : GOTO 441
450 IF (C=1) OR (C=126) OR (D=0) CLS : GOTO 780
455 IF (D=30) AND ((C<A) OR (C>A+7)) AND (V<=2) THEN V=0 :
    GOSUB 1100 : GOTO 320
460 IF (POINT(C-2,D+1)) OR (POINT(C+2,D+1)) GOTO 700
470 IF (D=30) AND (V<=2) V=0 : GOTO 800
480 IF (D=31) OR (D=30) GOTO 700
720 INPUT "> PLAY AGAIN (Y/N) "; Z$ : IF Z$="Y" F=80 :
    CLS : GOTO 2
730 IF Z$ <> "N" GOTO 720
810 FOR Z=A TO A+5 : IF (C-1=Z) OR (C+1=Z) GOTO 860

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* * * * * STAR PILOT ADDENDUM * * * * *

ADD OR CHANGE THE FOLLOWING LINES :

```

99 DIM A(50)
1000 GOSUB 3999
3999 D$=INKEY$ : IF D$<>"" CLS : ELSE GOTO 4000
8020 INPUT "DO YOU WANT ANOTHER SIMULATION",R$
8030 IF R$<>"N" GOTO 100
8510 (CHANGE 'GOTO 8015' TO 'GOTO 8020')

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DELETE LINE 8015

* * * * * T I C T A C T O E * * * * *

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2 CLS : PRINT@471,"ENTER FIRST NAME" : INPUT B$ : J=0 : U=0 :
  V=0 : W=0 : DIM A(50)
90 PRINTTAB(22),B$;"SELECT SQUARE" : PRINT@0,"?";
100 Q$=INKEY$ : IF Q$="" THEN 100 ELSE Q=VAL(Q$) : PRINT@3,Q :
  PRINT@0," ";
101 IF (Q>0) AND (Q<10) THEN 103
102 PRINT "INVALID PLAY" : FOR T=1TO1000 : NEXT T : PRINT@0," " :
  GOTO90
199 A(R)=4 : PRINT"";
666 FOR R=1TO9 : IF (A(R)=M) OR (A(R)=S) Q=R : GOTO 1000
680 IF A(R)=S THEN 199
4000 Q=(A(M))-T : IF Q=-2 Q=7
4001 IF Q=-1 Q=8
4002 IF Q=0 Q=9
4003 IF A(Q)=0 A(Q)=9 : GOTO 8500
4004 IF M=17 M=13
4005 IF M=19 M=17
4006 IF M=15 M=19
7787 IF Y=1 Y=2 : X=2 : GOTO 7010
7788 IF Y=2 Y=3 : X=8 : Z=2 : GOTO 7800
7789 IF Y=3 Y=4 : X=2 : GOTO 7010
7790 IF Y=4 Y=5 : X=8 : Z=3 : GOTO 7800
7791 IF Y=5 Y=6 : X=2 : GOTO 7010
7792 IF Y=6 Y=7 : X=8 : Z=4 : GOTO 7800
7793 IF Y=7 Y=8 : X=2 : GOTO 7010
8900 IF (A+B+C=X) OR (A+D+G=X) OR (A+E+I=X) OR (B+E+H=X) THEN Z=1
8910 IF (C+F+I=X) OR (D+E+F=X) OR (G+H+I=X) THEN Z=1
8912 IF (A+B+C=X) OR (A+D+G=X) OR (A+E+I=X) OR (B+E+H=X) OR
  (C+E+G=X) THEN Z=Z+2
8913 IF (C+F+I=X) OR (D+E+F=X) OR (G+H+I=X) THEN Z=Z+2
8915 IF ((Z=2) OR (Z=4)) THEN 8931
8916 IF (Z=3) OR (Z=5) THEN 10020

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* * * * * DRAW I, DRAW II, DRAW III * * * * *

DRAW I ----- NO CHANGES

DRAW II ----- ADD THE FOLLOWING :

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4 DIM A(MEM/4-1)
70 A=0 : K=INT(MEM/4-1)
80 FOR I=0TO(MEM/4-1) : A(I)=0 : NEXT I
233 IF (S=0) AND (POINT(X,Y)) K=K+1
630 IF POINT(I,J) A(K)=(I=100+J) : K=K+1

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** IF OUT OF MEMORY ERROR OCCURS, CHANGE
LINE 4 TO READ : 'DIM A(3000)'

DRAW III ----- ADD THE FOLLOWING :

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1 DIM A(3000)

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