

MODIFICATIONS FOR MZ-80A

```
120 GETM$:IFM$=""THEN70
130 M=ASC(M$):IF(M<J)+(M>K)THEN70
860 J=49:K=57
950 DATA7,-41,8,-40,9,-39,4,-1,6,1,1,39,2,40,3,41
1050 PRINT" ), ":POKE53323,A
1100 PRINT"7 8 9▒▒▒▒▒\↑/▒▒▒▒▒4← →6▒▒▒▒▒/↓\▒▒▒▒▒1 2 3":POKE53626,A
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10 REM  ┌────────────────────┐
20 REM  |    E P I D E M I C  |
30 REM  | Frank Rooney - 5,83 |
40 REM  └────────────────────┘
50 GOTO850
60 Q=0:GOSUB280:POKEW,A:T=0:TI$="000000"
70 IFQ=0THEN180
80 IFQ>5+5*DTHEN570
90 IFVAL(TI$)-T<4-DTHEN120
100 B=INT(RND(1)*894+S):IFPEEK(B)<>0THEN100
110 POKEB,Y:MUSIC"A0‾A":POKEB,P:Q=Q+1:T=VAL(TI$)
120 GETM$:M=PEEK(17828)
130 IF(M<J)+(M>K)THEN70
140 M=M-J+1:IFPEEK(W+V(M))=0THEN170
150 IFPEEK(W+V(M))=PTHENMUSIC"A0_A":Q=Q-1:GOTO170
160 GOTO70
170 POKEW,0:W=W+V(M):POKEW,A:GOTO70
180 MUSIC"A3‾C‾EA‾C‾E‾A6":PRINT"▒CONGRATULATIONS -"
190 PRINT"▒You have cured Stanley of his disease!"
200 SC=INT((1/VAL(TI$))*100*10↑D)
210 PRINT"▒▒▒▒▒           YOU SCORED";SC
220 IFSC>HSTHENPRINT"▒▒          THE HIGHEST SCORE !!!":HS=SC:GOTO240
230 PRINT"▒▒           Highest score =";HS
240 POKE4466,24:PRINT"  Do you want to try again ? (Y or N)▒"
250 GETX$:IFX$="N"THENPRINT"▒":END
260 IFX$="Y"THENPRINT"▒":GOTO990
270 GOTO250
280 PRINT"▒";
290 PRINT"::::::::::::/‾‾‾‾‾‾‾‾‾‾‾\::::::::::::::";
300 PRINT"::::::::::::: |           |::::::::::::::";
310 PRINT"::::::::::::: |           |::::::::::::::";
320 PRINT"::::::::::::<    o     o   >::::::::::::::";
330 PRINT"::::::::::::<       ω      >::::::::::::::";
340 PRINT"::::::::::::: |           |::::::::::::::";
350 PRINT"::::::::::::: |    /‾\    |::::::::::::::";
360 PRINT"::::::::::::::\           /::::::::::::::";
370 PRINT"::::::::::::::: ‾‾‾|   |‾‾‾::::::::::::::";
380 PRINT":::::/                          \:::::";
390 PRINT":::::|                          |::::";
400 PRINT":::::|    ┌─┐             ┌─┐   |::::";
410 PRINT":::::|    |:|             |:|   |::::";
420 PRINT":::::|    |:|             |:|   |::::";
430 PRINT":::::|    |:|             |:|   |::::";
440 PRINT":::::\   /:\             /:\   /::::";
450 PRINT"::::: |  |::\     o     /::|  |::::";
460 PRINT"::::: |  |:::\         /:::|  |::::";
470 PRINT":::::/   \:::|         |:::/  \::::";
480 PRINT":::::||||||:: |         |:: ||||||::::";
490 PRINT":::::00000::: |   ┌─┐   |:::00000::::";
500 PRINT":::::::::::::: |  |:|   |::::::::::::";
510 PRINT":::::::::::::: |  |:|   |::::::::::::";
520 PRINT"::::::::::/‾‾‾‾‾  |:|  ‾‾‾‾\::::::::::";
530 PRINT":::::::::          :::          :::::::::▒":POKE54247,79
540 W=53790:FORI=1TO6-D
550 B=INT(RND(1)*894+S):IF(PEEK(B)<>0)+(B=W)THEN550
560 POKEB,Y:MUSIC"A0‾A":POKEB,P:Q=Q+1:NEXTI:RETURN
570 MUSIC"‾A4_A‾A_A‾A_A"
580 PRINT"▒YOU FAILED !!!"
590 PRINT"▒▒Poor Stanley will have to have....":FORI=1TO700:NEXTI
600 PRINT"▒    PENICILLIN":FORI=1TO500:NEXTI
```

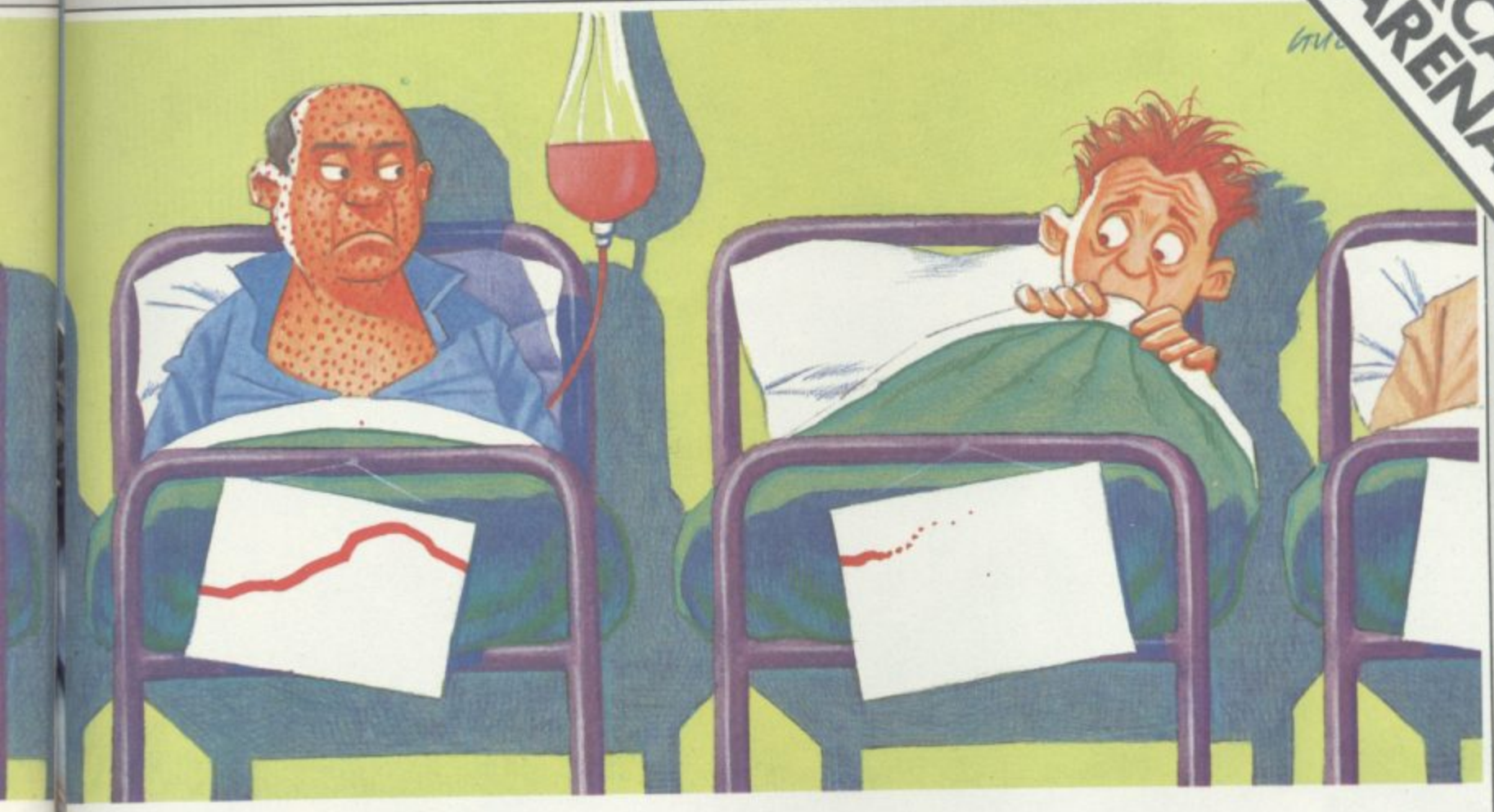
BY FRANK ROONEY

EPID

RUNS ON A SHARP MZ80

Poor Stanley is about to catch a disease and only you can cure him! You are an antibody floating merrily around in Stanley's bloodstream. Suddenly your peaceful existence is shattered by a bunch of nasty germs! You must kill the germs before they manage to spread through Stanley's body and reach epidemic proportions.

There are three skill levels to choose from. The higher the level the nastier the disease, and the germs multiply faster! Your score is based on the time taken to wipe out the disease. If the germs get out of control you've missed your chance to save Stanley — who has to quickly get a penicillin jab! The antibody can be moved horizontally and vertically around Stanley's body.



EMIC

80K AND MZ80A

Explanation of PEEKS & POKES
POKE53258 to POKE54247 = video RAM.
POKE4466, X prints X lines down from the top of the screen.
POKE4465, X prints X columns across from the left of the screen.
POKE10167,1 removes the PEEK protect in SP-5025 basic to allow — PEEK(17828) which returns the ASC value of any key held down (NOT required on MZ-80A).

Main variables
D = skill level (1-3).
M$ = antibody movement key.
M = ASC code of movement key.
V(M) = increment of antibody movement.
W = current antibody position.
B = germ position.
Q = number of germs.

```
610 POKE4466,9
620 PRINT"                                                              "
630 PRINT"                                                             "
640 PRINT"                                                            "
650 PRINT"                                                           "
660 PRINT"                                                          "
670 PRINT"                                                         "
680 PRINT"                                                        "
690 PRINT"                                                       "
700 PRINT"                                                      "
710 PRINT"                                                     "
720 PRINT"                                                    "
730 PRINT"                                                   "
740 PRINT"                                                  "
750 PRINT"                                                 "
760 PRINT"                                                                "
770 S$="                                                                  "
780 S$=S$+"                                                               "
790 FORI=24TO13STEP-1:FORH=1TO100:NEXTH:POKE4466,10:POKE4465,I:PRINTS$
800 NEXTI
810 FORH=1TO30:POKE53661,118:POKE53781,119:POKE53661,0:POKE53781,0:NEXTH
820 FORI=22TO18STEP-1:POKE4466,11:POKE4465,I:FORH=1TO100:NEXTH
830 PRINT"                                                  ":NEXTI
840 FORI=1TO1000:NEXTI:GOTO240
850 TEMPO7:S=53301:A=206:P=219:Y=107
860 J=65:K=90:A$=CHR$(103):POKE10167,1
870 PRINT"
880 PRINT"
890 PRINT"
900 PRINT"
910 PRINT"
920 PRINT"
930 PRINTTAB(10);"  Frank Rooney, 1983"
940 DIMV(K-J+1):FORI=1TO8:READM,V(M):NEXTI
950 DATA17,-41,23,-40,5,-39,1,-1,4,1,26,39,24,40,3,41
960 FORH=1TO5
970 FORI=1TO300:NEXTI:READU:POKES+U,Y:MUSIC"_A0A#A":POKES+U,74:NEXTH
980 DATA200,330,175,272,284
990 POKE4466,18:PRINT"  Do you want instructions ? (Y or N)"
1000 GETX$:IFX$="Y"THEN1030
1010 IFX$="N"THEN1220
1020 GOTO1000
1030 PRINT"Poor Stanley is about to catch a disease"
1040 PRINT"and it is up to you, the Antibody (";
1050 PRINTA$;"),"
1060 PRINT"to stamp out the germs before they reach"
1070 PRINT"epidemic proportions."
1080 PRINT"The Antibody can be moved using the"
1090 PRINT"following keys:":PRINTTAB(16);
1100 PRINT"Q W E      ↑/      A←";A$;"→D      /↓\      Z X C"
1110 PRINT"There are 3 skill levels which determine"
1120 PRINT"the type of disease to be combatted. The"
1130 PRINT"nastier the disease, the faster the"
1140 PRINT"germs multiply! The score is based on"
1150 PRINT"the time taken and the skill level."
1160 PRINT"Your mission will have failed should"
1170 PRINT"the disease get out of control, in which"
1180 PRINT"case poor old Stanley will have to"
1190 PRINT"resort to penicillin!"
1200 PRINT"     < Press any key to continue >"
1210 GETX$:IFX$=""THEN1210
1220 PRINT"Select SKILL LEVEL:"
1230 PRINT"     <1> Staphylococcus aureus infection"
1240 PRINT"          (a nasty germ)"
1250 PRINT"     <2> Escherichia coli infection"
1260 PRINT"          (a nastier germ)"
1270 PRINT"     <3> Leptospira canicola infection"
1280 PRINT"          (a really nasty germ)"
1290 PRINT"                < Press 1 - 3 >"
1300 GETD:IF(D=0)+(D>3)THEN1300
1310 GOTO60
```