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1 'Reaction Tester
2 'by Kevin Stafferton
3 'The Amstrad User Dec 87
10 'Set-up
20 DN BREAK GOSUB 370
30 MODE 0: BORDER 0: INK 0,0: INK 1,24: INK 2,20: INK 3,6:
   INK 4,26
40 DIM c(4): c(1)=0: c(2)=2: c(3)=8: c(4)=1
45 'DIM c(4): c(1)=72: c(2)=73: c(3)=74: c(4)=75
50 LOCATE 6,2: PEN 1: PRINT "KEYBOARD"
60 LOCATE 6,4: PEN 2: PRINT "REACTION"
70 LOCATE 6,6: PEN 3: PRINT "TESTER"
80 FOR n=1 TO 2000: NEXT n
90 CLS: LOCATE 2,2: PEN 1: PRINT "Watch this space"
100 WINDOW #1,9,11,5,7: PAPER #1,4: PEN #1,0: CLS #1
110 WINDOW 1,20,10,25
120 'Instructions
130 PEN 2: PRINT " An arrow will""appear in the space""ab
   ove. You have to""push the appropriate""direction key as""
   quickly as you can."
140 PEN 3: PRINT: PRINT TAB(4);"Press any key"
150 PRINT TAB(7);"to start"
160 CALL &BB03: i$="": WHILE i$="": i$=INKEY$: WEND
170 ' Main program
180 CLS: PEN 1: PRINT TAB(6);"GET READY!"
190 d=0: FOR n=1 TO RND*500+500
200 IF INKEY$<>" " AND d=0 THEN PEN 2: PRINT "Wow. You must
   have""read my mind! Pity""I'm not allowing""that.": d=1
210 NEXT n: IF d=1 THEN 330
220 a=INT(RND*4)+1
230 LOCATE #1,2,2: PRINT #1,CHR$(239+a);
240 t=TIME
250 WHILE INKEY(c(a))<0 AND TIME-t<3000: WEND
260 t=(TIME-t)/300
270 PEN 2: PRINT
280 IF t>=10 THEN PRINT "Who forgot to press""the right ke
   y?": GOTO 330
290 PRINT "Time taken is ";USING "#.##s";t
300 IF t<0.25 THEN PRINT "What reflexes!"
310 IF t>0.25 AND t<0.4 THEN PRINT "Passable."
320 IF t>0.4 THEN PRINT "You'd be dead now!"
330 PEN 3: PRINT: PRINT TAB(4);"Press any key"
340 PRINT TAB(5);"to try again"
350 CALL &BB03: WHILE INKEY$="": WEND
360 CLS #1: GOTO 180
370 MODE 1: PEN 1

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