

Abstract for RIP 82

AN INEXPENSIVE, ELECTRONIC CLAIRVOYANCE TESTER/TRAINER FOR
PARAPSYCHOLOGISTS

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The unreliability and low level of manifestation of psi are the major problems of the field. If my 1966 theory that the provision of immediate feedback of results to talented percipients can increase psi ability is correct, a major step forward can occur. Given the apparent rarity of the talented percipients needed to test the theory, and the rarity of laboratories that can provide feedback training, an inexpensive way of providing such training would be quite helpful. This paper presents a software program, developed by Harold Puthoff and myself, that turns a high quality, relatively inexpensive hand-held computer, the Hewlett-Packard model 41C, into a quality clairvoyance testing and feedback training device*. Thus any interested individual can have an ESP tester/trainer for about two hundred and ten dollars, the cost of the HP-41C and one memory extender module. Researchers who wish to use a printer with this device and supervise testing can also use it for formally testing percipients. If a ~~ZERO~~ (for no) is entered when the program prompts the user as to whether "Feedback?" is wanted, the program will provide a pure clairvoyance test, giving summary results, but no individual target identity data.

The following use instructions will be clear after you have familiarized yourself with the manual provided with the HP-41C.

Enter the program, given below. Once entered, it will be permanently stored in the HP-41C. Now make the following key assignments: "PESP" to

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the summation key; "PASS" to the 1/x key; and "RESULTS" to the square root of ~~the~~ x key. Switch to the USER mode of the HP-41C and start the PESP program by pressing the summation key. Respond to each prompted query by entering the desired information on the keyboard and then pressing the R/S (run/stop) key. You will be prompted for the number of the month, day, and year, then for the number of choices. You may choose any number between 2 and 10⁹⁹ choices, but 10 choices (keys 0 through 9) are usually plenty. The "RN LN?" prompt wants the number of trials in the run before automatic summary of results. If you want feedback just press the R/S key when prompted with "FEEDBACK?", otherwise enter a zero for no feedback. ✓

When prompted for "TIME?", look at the second hand of your watch immediately and read it, then the minute and hour. As the exact time is part of the seed for the pseudo-random number generator (PRNG) subroutine that generates targets, following this rule eliminates conscious control over the targets. Enter the hours and minutes as integers, and the seconds as decimals.

The PESP program will now alert you with a double beep tone and flash "READY" on its display. Enter an integer number in the chosen target range as your response, then press R/S. You will get a low tone and target identity feedback if you are wrong, or a fanfare of sound if you are correct. If you wish to pass on a given trial, push the 1/x key that was assigned to "PASS". You will get feedback on target identity but it does not count as a trial. If you wish to review results to date at any time in a run, push the square root key that was assigned to "RESULTS", and you will see the number of passes, hits, and trials, and the percentage of hits displayed. The review of results takes place automatically at the end of each run. The review of results cannot take place during a run if you have

selected the no feedback option: it acts as a pass, but pass does not provide target information in the no feedback condition.

The PRNG subroutine has been thoroughly tested, as described in my "A randomness test program for pseudo-random number generator routines on the HP-41C" PA 1982 paper. Good randomness is achieved by entering a new time seed for every run.

At the end of a run ("END OF RUN" displayed), another run with the same choice parameters may be had just by pressing the R/S key. Wait for the "READY" display before entering a new response, otherwise you just accumulate errors. Good luck!

Program for Electronic Clairvoyance Tester/Trainer:

```

01*LBL "PESP"
02 CF 00
03 FIX 0
04 0
05 STO 00
06 STO 03
07 STO 04
08 STO 05
09 STO 07
10 SF 02

11*LBL 00
12 "MONTH?"
13 PROMPT
14 "DAY?"
15 PROMPT
16 STO 02
17 "YEAR?"
18 PROMPT
19 ST+ 02
20 "CHOICES=?"
21 PROMPT
22 STO 01
23 "RN LN?"
24 PROMPT
25 STO 00
26 0
27 "FEEDBACK?"
28 PROMPT
29 X=Y?
30 SF 00

31*LBL 04
32 "TIME=?"
33 PROMPT
34 LN
35 ABS
36 ST+ 02
37 CF 01
38 CF 02

39*LBL 05
40 PI
41 RCL 02
42 +
43 5
44 Y+X
45 FRC
46 STO 02
47 RCL 01
48 *

49 INT
50 STO 06
51 CLX
52 SF 11
53 "READY"
54 TONE 6
55 TONE 6
56 PROMPT
57 FC? 11
58 GTO 02
59 RCL 06
60 X=Y?
61 GTO 06
62 GTO 03

63*LBL 07
64 1
65 ST+ 03
66 RCL 03
67 RCL 00
68 X=Y?
69 GTO "RSLT"
70 GTO 05

71*LBL 03
72 1
73 ST+ 07
74 FS? 00
75 GTO 07
76 TONE 0
77 XE0 01
78 GTO 07

79*LBL 06
80 1
81 ST+ 04
82 FS? 00
83 GTO 07
84 SF 12
85 BEEP
86 " CORRECT"
87 AVIEW
88 CF 12
89 PSE
90 GTO 07

91*LBL "PASS"
92 FS? 01
93 GTO 08
94 FS? 02
95 GTO 00

```

```

96 1
97 ST+ 05
98 FS? 00
99 GTO 05
100 XEQ 01
101 GTO 05

102*LBL "RESULTS"
103 FS? 00
104 GTO "PASS"
105 FS? 02
106 GTO 00

107*LBL "RSLT"
108 TONE 3
109 TONE 2
110 RCL 05
111 "NR PASSES="
112 ARCL X
113 AVIEW
114 PSE
115 PSE
116 RCL 04
117 "NR HITS="
118 ARCL X
119 AVIEW
120 PSE
121 PSE
122 RCL 03
123 "NR TRIALS="
124 ARCL X
125 AVIEW
126 PSE
127 PSE
128 RCL 04
129 RCL 03
130 /
131 100
132 *
133 "%HITS="
134 ARCL X
135 AVIEW
136 PSE
137 PSE
138 RCL 03
139 RCL 00
140 X=Y?
141 GTO 00
142 GTO 05

143*LBL 01
144 FS? 00
145 GTO 07
146 "TARGET WAS "
147 ARCL 06
148 AVIEW
149 PSE
150 RTN

151*LBL 00
152 CF 11
153 SF 01
154 "END OF RUN"
155 AVIEW
156 STOP
157 0
158 STO 03
159 STO 04
160 STO 05
161 ADV
162 GTO 04

163*LBL 02
164 "POWER OFF"
165 AVIEW
166 GTO 05
167 .END.

```

Program for Electronic Clairvoyance Tester/Trainer:

```
01+LBL "PESP"  
02 CF 00  
03 FIX 0  
04 0  
05 STO 00  
06 STO 03  
07 STO 04  
08 STO 05  
09 STO 07  
10 SF 02  
  
11+LBL 00  
12 "MONTH?"  
13 PROMPT  
14 "DAY?"  
15 PROMPT  
16 STO 02  
17 "YEAR?"  
18 PROMPT  
19 ST+ 02  
20 "CHOICES=?"  
21 PROMPT  
22 STO 01  
23 "RN LN?"  
24 PROMPT  
25 STO 00  
26 0  
27 "FEEDBACK?"  
28 PROMPT  
29 X=Y?  
30 SF 00  
  
31+LBL 04  
32 "TINE=?"  
33 PROMPT  
34 LN  
35 ABS  
36 ST+ 02  
37 CF 01  
38 CF 02  
  
39+LBL 05  
40 PI  
41 RCL 02  
42 +  
43 5  
44 Y↑X  
45 FRC  
46 STO 02  
47 RCL 01  
48 *  
  
49 INT  
50 STO 00  
51 CLX  
52 SF 11  
53 "READY"  
54 TONE 6  
55 TONE 6  
56 PROMPT  
57 FC? 11  
58 GTO 02  
59 RCL 06  
60 X=Y?  
61 GTO 06  
62 GTO 03  
  
63+LBL 07  
64 1  
65 ST+ 03  
66 RCL 03  
67 RCL 00  
68 X=Y?  
69 GTO "RSLT"  
70 GTO 05  
  
71+LBL 03  
72 1  
73 ST+ 07  
74 FS? 00  
75 GTO 07  
76 TONE 0  
77 XEQ 01  
78 GTO 07  
  
79+LBL 06  
80 1  
81 ST+ 04  
82 FS? 00  
83 GTO 07  
84 SF 12  
85 BEEP  
86 "CORRECT"  
87 AVIEW  
88 CF 12  
89 PSE  
90 GTO 07  
  
91+LBL "PASS"  
92 FS? 01  
93 GTO 08  
94 FS?  
95 GTO
```

96 1
97 ST+ 05
98 FS? 00
99 GTO 05
100 XEQ 01
101 GTO 05

102*LBL "RESULTS"

103 FS? 00
104 GTO "PASS"
105 FS? 02
106 GTO 00

107*LBL "RSLT"

108 TONE 3
109 TONE 2
110 RCL 05
111 "NR PASSES="

112 ARCL X
113 AVIEW
114 PSE
115 PSE
116 RCL 04

117 "NR HITS="

118 ARCL X
119 AVIEW
120 PSE
121 PSE
122 RCL 03

123 "NR TRIALS="

124 ARCL X
125 AVIEW
126 PSE
127 PSE
128 RCL 04
129 RCL 03
130 /
131 100
132 *

133 "%HITS="

134 ARCL X
135 AVIEW
136 PSE
137 PSE
138 RCL 03
139 RCL 00

140 X=Y?
141 GTO 08
142 GTO 05

143*LBL 01
144 FS? 00
145 GTO 07

146 "TARGET WAS "

147 ARCL 06
148 AVIEW
149 PSE
150 RTN

151*LBL 08
152 CF 11
153 SF 01

154 "END OF RUN"

155 AVIEW
156 STOP
157 0
158 STO 03
159 STO 04
160 STO 05
161 ADV
162 GTO 04

163*LBL 02

164 "POWER OFF"

165 AVIEW
166 GTO 05
167 .END.