

HP-41C Instruction Timer Program by Clifford Stern
PPC Calculator Journal Vol 8 No 2 P19 Mar-Apr 1981

```
01 RCL 02
02 /
03 FIX 9
04 STOP
05 RCL 03
06 *
07 STOP
08 LBL "CAL" ;Calibration
09 E
10 ENTER
11 ENTER
12 ENTER
13 PSE
14 TONE 8
15 LBL 13
16 +
17 GTO 13
18 LBL "IN" ;Instruction Entry
19 SF 29
20 STO 00
21 E
22 +
23 ENTER
24 "\01\69\0C\10\C1" ;01690C10C1 hex
25 ASTO 01
26 2
27 ST+ Z
28 X<> M
29 X<> c
30 X<> M
31 ">\00\00\00\00\00" ;Append 5 nulls
32 X<> M
33 X<> d
34 CF 07
35 X<> d
36 X<> M
37 ">*" ;Append 1 asterisk
38 X<> N
39 STO M
40 ">\C1" ;Append C1 hex
41 X<> M
42 X<> Y
43 "\9F\08\00\00\CC" ;9F080000CC hex
44 GTO 11
45 LBL "S" ;Size Adjustment
46 CF 29
47 FIX 0
48 CLX
49 LBL 10
50 ISG a
51 "" ;F0=null string (NOP)
52 "DEC. "
53 ARCL a
54 ">?" ;Append 1 question mark
55 AVIEW
56 STO M
57 STOP
58 FC?C 22
59 GTO 14
60 LBL 11
61 OCT
62 4 E2
63 +
64 X<> d
65 FS?C 11
66 SF 12
67 FS?C 10
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68 SF 11
69 FS?C 09
70 SF 10
71 FS? 07
72 SF 09
73 FS? 06
74 SF 08
75 X<> d
76 X<> M
77 >"*" ;Append 1 asterisk
78 STO N
79 >"*" ;Append 1 asterisk
80 X<> N
81 FC? 29
82 GTO 10
83 STO M
84 >"-" ;Append 1 dash
85 X<> M
86 STO 00
87 RDN
88 40
89 ST+ T
90 "\08\0E\40\BE\B0\C8\02" ;080E40BEB0C802 hex
91 X<> M
92 STO IND T
93 "\E0\97\7B\BA\BD\0D\71" ;E0977BBABD0D71 hex
94 X<> M
95 STO IND Z
96 GTO 12
97 LBL 09
98 E
99 ST- L
100 ARCL X
101 LASTX
102 R^
103 RCL O
104 GTO 08
105 LBL 14
106 CLA
107 AVIEW
108 STO M
109 DSE a
110 RCL 00
111 7
112 *
113 RCL a
114 /
115 STO 02
116 GTO IND L
117 LBL 07
118 X<> M
119 X<> O
120 STO a
121 GTO 14
122 LBL 04
123 FIX 1
124 LBL 05
125 SF 29
126 LBL 06
127 LBL 03
128 LBL 02
129 LBL 01
130 ASTO X
131 17
132 LASTX
133 /
134 INT
135 LBL 00
136 ARCL Y
137 DSE X

```

```

138 GTO 00
139 >"*" ;Append 1 asterisk
140 FC? 29
141 >"**" ;Append 2 asterisks
142 RCL a
143 E5
144 /
145 LBL 14
146 RCL 00
147 +
148 ABS
149 RCL 01
150 X<> c
151 RCL 0
152 LBL 08
153 STO IND Z
154 DSE Z
155 GTO 08
156 DSE a
157 GTO 09
158 LBL 12
159 X<>Y
160 STO c
161 CLST
162 BEEP
163 CLD
164 LBL "T" ;Recheck Timing
165 STOP
166 PSE
167 TONE 8
168 END

```

```

014522439C0984234284C000F40043414C1B838383899F080E
40BE00C000F300494EA81D301B4083F501690C10C19A011292
71CE75CE7DCE75F67F0000000000CE75CE7EA907CE7ECE75F2
7F2ACE769175F27FC1CE7571F59F080000CCBC00C000F20053
A91D9C00770B967BF0F54445432E209B7BF27F3F7E917584AB
16BF000C6F141B1240CE7EAA0BA80CAA0AA80BAA09A80AAC07
A809AC06A808CE7ECE75F27F2A9176F27F2ACE76AD1DBB0091
75F27F2DCE75307514109270F7080E40BEB0C802CE7591F0F7
E0977BBABD0D71CE7591F1BD000A1B93749B7376749077B900
0F877E9175977B201742907B4332AE7408CE75CE77917BBF00
059C0106A81D070403029A731117764368019B729773B100F2
7F2AAD1DF37F2A2A907B1B15430F20406121CE7D90770991F1
9771B900977BBA000D71917D73867FC000F2005484899F08C0
000D58

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325 BYTES

HP-41C Instruction Timer by Clifford Stern PPC V8 N2 P19 Mar-Apr 1981

Program Registers Needed: 47

Row 1 (1 - 8)



Row 2 (8 - 17)



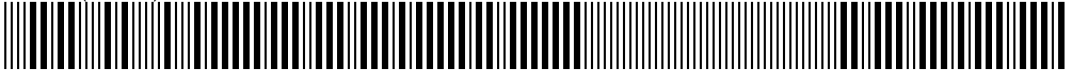
Row 3 (18 - 24)



Row 4 (24 - 29)



Row 5 (29 - 33)



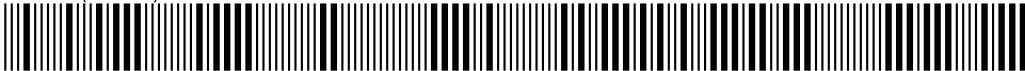
Row 6 (33 - 39)



Row 7 (39 - 43)



Row 8 (44 - 49)



Row 9 (50 - 54)



Row 10 (54 - 62)



Row 11 (62 - 69)



Row 12 (69 - 75)



Row 13 (76 - 81)



Row 14 (81 - 88)



Row 15 (88 - 91)



Row 16 (92 - 95)



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Row 17 (95 - 103)



Row 18 (104 - 113)



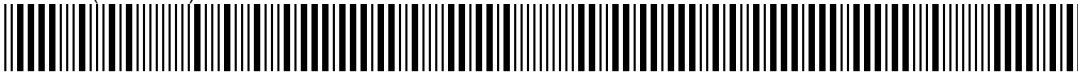
Row 19 (113 - 121)



Row 20 (121 - 130)



Row 21 (131 - 139)



Row 22 (139 - 144)



Row 23 (145 - 154)



Row 24 (154 - 162)



Row 25 (163 - 168)

