

HP-41C Condensed Photolog Program by Michael A. Todd  
PPC Calculator Journal Volume 10 N1 P62 Jan-Feb 1983

```
01 LBL "cLOG" ;Condensed Photolog Program
02 CLRG
03 .
04 XROM 25,46 ;X<>F
05 CF 21
06 CF 29
07 FIX 0
08 256
09 STO 04
10 "MODE ?"
11 AVIEW ;R = REAL mode, I = INTEGER mode
12 XEQ 04
13 52
14 X=Y?
15 SF 00
16 "TEXT ?"
17 AVIEW ;Y = TEXT, N = NO TEXT
18 XEQ 04
19 71
20 X=Y?
21 SF 01
22 XEQ 09 ;Enter roll number
23 ASTO 00
24 "#EXP. ?"
25 PROMPT ;Enter number of exposures on roll
26 STO 05
27 CLA
28 ARCL 00
29 FC? 00
30 3
31 FS? 00
32 4
33 *
34 50
35 +
36 7
37 /
38 1
39 +
40 INT
41 XROM 25,10 ;CRFLAS
42 .
43 XROM 25,42 ;SEEKPT
44 "SUBJECT ?"
45 AON
46 STOP ;Enter subject name and date
47 XROM 25,04 ;APPREC
48 "FILM DATA ?"
49 STOP ;Enter film type and ASA speed
50 AOFF
51 XROM 25,04 ;APPREC
52 LBL 30
53 SF 11
54 CLA
55 ARCL 00
56 XROM 25,34 ;RCLPTA
57 "FRAME"
58 ARCL X
59 AVIEW ;Display FRAME #
60 PSE
61 "SPEED ?"
62 PROMPT ;Enter camera shutter speed
63 FS? 51
64 SF 03
65 STO 02
66 "F-STOP ?"
67 PROMPT ;Enter F-STOP value F1.0 - F25.5
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68 10
69 *
70 CLA
71 XROM 25,47 ;XTOA
72 ASTO 03
73 FS? 00
74 GTO 03
75 RCL 02
76 FS?C 03
77 XEQ 06
78 XEQ 05
79 CLA
80 GTO 07
81 LBL 03
82 CLA
83 10
84 FS? 03
85 ST* 02
86 1 E4
87 FS?C 03
88 ST+ 02
89 RCL 02
90 RCL 04
91 /
92 INT
93 XROM 25,47 ;XTOA
94 RCL 02
95 XEQ 05
96 X=0?
97 1
98 GTO 07
99 LBL 04
100 XROM 25,17 ;GETKEY
101 X=0?
102 GTO 04
103 RTN
104 LBL 05
105 RCL 04
106 MOD
107 RTN
108 LBL 06
109 249
110 X<>Y
111 X>Y?
112 GTO 05
113 200
114 +
115 RTN
116 LBL 07
117 XROM 25,47 ;XTOA
118 ARCL 03
119 XROM 25,04 ;APPREC
120 FS? 01
121 XEQ "eTXT" ;Condensed Photolog Write Text (Line 1)
122 RCL 05
123 CLA
124 ARCL 00
125 XROM 25,34 ;RCLPTA
126 INT
127 X>Y?
128 GTO 08
129 OFF
130 GTO 30
131 LBL 08
132 BEEP
133 "NEW ROLL"
134 PROMPT ;Display message at end of roll
135 STOP
136 LBL "cL" ;Retrieve data from roll
137 SF 21
```

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138 CF 29
139 FIX 0
140 CF 02
141 XEQ 09
142 ASTO 00
143 .
144 XROM 25,43 ;SEEKPTA
145 "NOTE"
146 ARCL Y
147 ASTO 01
148 CLA
149 ARCL 00
150 SF 12
151 AVIEW ;Display ROLL #
152 CF 12
153 ADV
154 XROM 25,20 ;GETREC
155 AVIEW ;Display subject
156 XROM 25,20 ;GETREC
157 AVIEW ;Display film type & ASA speed
158 LBL 01
159 ADV
160 CLA
161 ARCL 00 ;Put ROLL # into ALPHA
162 XROM 25,34 ;RCLPTA
163 "FRAME"
164 ARCL X
165 AVIEW ;Display FRAME #
166 XROM 25,20 ;GETREC
167 FS? 00
168 GTO 10
169 200
170 XROM 25,07 ;ATOX
171 STO 02
172 XROM 25,07 ;ATOX
173 STO 03
174 RDN
175 X>Y?
176 XEQ 11
177 LBL 20
178 FS? 00
179 RCL 02
180 1
181 X=Y?
182 SF 03
183 RDN
184 FC?C 03
185 "1/"
186 ARCL X
187 ">" SEC @ F"
188 RCL 03
189 10
190 /
191 FIX 1
192 ARCL X
193 FIX 0
194 AVIEW ;Display shutter speed
195 FS? 01
196 XEQ "eT" ;Condensed Photolog Read Text (Line 39)
197 GTO 01
198 LBL 09 ;Enter roll number
199 "ROLL"
200 ASTO X
201 "># ?" ;Append pound sign, space, question mark
202 PROMPT ;Display ROLL# ?
203 CLA
204 ARCL Y ;"ROLL" into ALPHA
205 ARCL X ;Roll number into ALPHA
206 RTN
207 LBL 10

```

```
208 2
209 XROM 25,01 ;ALENG
210 X=Y?
211 GTO 00
212 XROM 25,07 ;ATOX
213 256
214 *
215 XROM 25,07 ;ATOX
216 +
217 1 E4
218 X<>Y
219 X>Y?
220 XEQ 12
221 STO 02
222 XROM 25,07 ;ATOX
223 STO 03
224 GTO 20
225 LBL 00
226 XROM 25,07 ;ATOX
227 STO 02
228 XROM 25,07 ;ATOX
229 STO 03
230 GTO 20
231 LBL 11
232 X<>Y
233 -
234 4
235 X<>Y
236 X<=Y?
237 SF 03
238 X<=Y?
239 RTN
240 44
241 X=Y?
242 GTO 13
243 RDN
244 32
245 X=Y?
246 GTO 14
247 RDN
248 8
249 X=Y?
250 GTO 15
251 RDN
252 50
253 X=Y?
254 GTO 16
255 TONE 0
256 RTN
257 LBL 12
258 X<>Y
259 -
260 10
261 /
262 SF 03
263 FIX 1
264 RTN
265 LBL 13
266 500
267 RTN
268 LBL 14
269 1 E3
270 RTN
271 LBL 15
272 2 E3
273 RTN
274 LBL 16
275 250
276 RTN
277 END
```

0222C000F500634C4F478A1AA66EA915A91D9C0012151634F6  
4D4F4445203F7EE00004151278A800F654455854203F7EE000  
04171178A801E000099A00F7234558502E203F8E35879B00AD  
0013AC0014421510401743114068A64A1AA66AF95355424A45  
4354203F8C84A644FB46494C4D2044415441203F848BA644CF  
1EA80B879B00A662F54652414D459B737E89F7535045454420  
3F8EAC33A80332F8462D53544F50203F8E11104287A66F9A03  
AC00B40022AA03E00006E0000587B80004871110AC03940211  
1B14AA03920222244368A66F22E000056711B80005A65167B5  
008506244B85071214197145B600121010408508A66F9B03A6  
44AC011EF46554585425879B00A6626845B9008DD0001E0986  
F84E455720524F4C4C8E84C000F300634CA815A91D9C00A902  
E000099A001AA66BF44E4F54459B729A01879B00A80C7EA90C  
8FA6547EA6547E028F879B00A662F54652414D459B737EA654  
AC00BB00121010A64732A647337545E0000BCF14AC00221178  
A80375AB03F2312F9B73F97F2053454320402046231110439C  
019B739C007EAC011EF26554B2000AF4524F4C4C9A73F47F23  
203F8E879B729B73850B12A64178B100A64712151642A64740  
111B147145E0000C32A64733D0001401A64732A64733D00014  
0C7141147146A8034685141478BE0075131278BF00751878D0  
000F75151078D000109F00850D7141111043A8039C01850E15  
1010850F111B1385CF0F121B1385CF1012151085C0000DD2

546 BYTES

```
01 LBL "eTXT" ;Condensed Photolog Write Text
02 FS? 02
03 GTO 00
04 SF 02
05 CLA
06 ARCL 00
07 XROM 25,07 ;ATOX
08 XROM 25,07 ;ATOX
09 XROM 25,07 ;ATOX
10 XROM 25,07 ;ATOX
11 ASTO X
12 "NOTE"
13 ARCL X
14 ASTO 01
15 RCL 05
16 25
17 *
18 7
19 /
20 1
21 +
22 INT
23 XROM 25,10 ;CRFLAS
24 .
25 XROM 25,42 ;SEEKPT
26 LBL 00
27 CLA
28 ARCL 01
29 XROM 25,34 ;RCLPTA
30 CF 23
31 "TEXT"
32 AON
33 STOP ;Enter text
34 AOFF
35 FC? 23
36 " " ;1 space
37 XROM 25,04 ;APPREC
38 RTN
39 LBL "eT" ;Condensed Photolog Read Text
40 CLA
41 ARCL 01
42 .
43 FC? 02
44 XROM 25,43 ;SEEKPTA
45 SF 02
46 XROM 25,34 ;RCLPTA
47 SF 21
48 XROM 25,20 ;GETREC
49 AVIEW
50 END
```

0063C000F50065545854AC02B100A802879B00A647A647A647  
A6479A73F44E4F54459B739A01251215421743114068A64A1A  
A66A01879B01A662A917F4544558548C848BAD17F120A64485  
C000F3006554879B011AAD02A66BA802A662A815A6547EC000  
0D18

99 BYTES

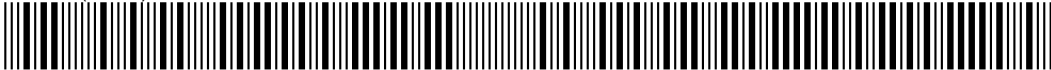
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Program Registers Needed: 78

Row 1 (1 - 5)



Row 2 (5 - 10)



Row 3 (10 - 16)



Row 4 (16 - 20)



Row 5 (21 - 24)



Row 6 (24 - 32)



Row 7 (33 - 43)



Row 8 (43 - 46)



Row 9 (47 - 48)



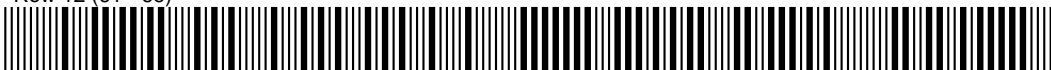
Row 10 (48 - 56)



Row 11 (56 - 61)



Row 12 (61 - 66)



Row 13 (66 - 70)



Row 14 (71 - 77)



Row 15 (77 - 84)

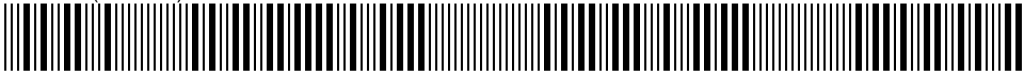


Row 16 (85 - 92)



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Row 17 (93 - 100)



Row 18 (101 - 110)



Row 19 (111 - 118)



Row 20 (119 - 124)



Row 21 (124 - 132)



Row 22 (133 - 136)



Row 23 (136 - 141)



Row 24 (141 - 146)



Row 25 (146 - 154)



Row 26 (154 - 163)



Row 27 (163 - 168)



Row 28 (168 - 176)



Row 29 (176 - 184)



Row 30 (184 - 187)



Row 31 (187 - 193)



Row 32 (194 - 199)



Row 33 (199 - 204)





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Row 34 (205 - 213)



Row 35 (213 - 220)



Row 36 (220 - 228)



Row 37 (228 - 237)



Row 38 (238 - 246)



Row 39 (247 - 254)



Row 40 (255 - 263)



Row 41 (264 - 271)



Row 42 (272 - 277)



Program Registers Needed: 15

Row 1 (1 - 4)



Row 2 (4 - 11)



Row 3 (11 - 16)



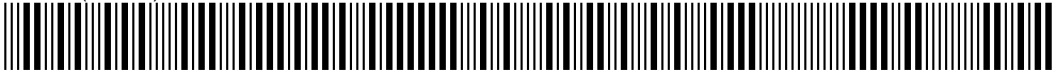
Row 4 (17 - 27)



Row 5 (28 - 33)



Row 6 (34 - 39)



Row 7 (39 - 46)



Row 8 (47 - 50)

