

HP-41C Data Handling Routines by Art Borron
PPC Calculator Journal V9 N4 P70 May-Jul 1982

```
01 LBL "INI" ;Initialize
02 CLRG
03 14
04 STO 13
05 15.026
06 STO 14
07 CLST
08 STO L
09 CLA
10 RTN
11 LBL "CRF" ;Create File
12 .
13 XEQ "CFL" ;Create File (Line 259)
14 LBL "UPF" ;Update File
15 RCL 13
16 RCL IND X
17 FRC
18 E3
19 *
20 ISG X
21 LBL 00
22 ST
23 STO IND Y
24 E-3
25 ST+ IND T
26 RDN
27 RDN
28 ISG X
29 "" ;F0=null string (NOP)
30 GTO 00
31 RTN
32 LBL "NCR" ;Encard Data
33 CLA
34 ARCL IND Z
35 DSE X
36 "" ;F0=null string (NOP)
37 STO Y
38 FRC
39 LASTX
40 INT
41 E3
42 ST* Z
43 RDN
44 -
45 X<> IND L
46 DSE Y
47 "" ;F0=null string (NOP)
48 R^
49 ASTO X
50 X<> IND Z
51 RCL Z
52 XROM 30,08 ;WDTAX
53 RDN
54 X<> IND Z
55 RDN
56 X<> IND L
57 RTN
58 LBL "DCR" ;Decard Data
59 CLA
60 RCL IND 13
61 FRC
62 E3
63 *
64 STO Y
65 DSE X
66 "" ;F0=null string (NOP)
67 .999
```

```

68 +
69 RCL IND X
70 X<> L
71 X<> IND Z
72 X<>Y
73 XROM 30,03 ;RDTAX
74 X<> L
75 X<> IND L
76 ARCL X
77 RDN
78 X<> IND Y
79 RCL Y
80 +
81 E-3
82 *
83 +
84 ISG X
85 "" ;F0=null string (NOP)
86 ISG 13
87 "" ;F0=null string (NOP)
88 STO IND 13
89 6
90 RCL 13
91 +
92 ASTO IND X
93 RDN
94 RTN
95 LBL "DDI" ;Delete Directory Item
96 15.02
97 21.026
98 .
99 LBL 01
100 RCL IND Y
101 STOP
102 X=Y?
103 XEQ 02
104 RDN
105 ISG Y
106 "" ;F0=null string (NOP)
107 ISG Z
108 GTO 01
109 CLX
110 TONE 8
111 RTN
112 LBL 02
113 STO IND Z
114 STO IND T
115 RTN
116 LBL "CND" ;Condense
117 SREG 00 ;SigmaREG
118 CLS ;CLSigma
119 .005
120 21.026
121 .
122 XEQ 03
123 .005
124 21.026
125 XEQ "CPY" ;Copy (Line 249)
126 CLS ;CLSigma
127 14
128 STO 13
129 .005
130 15.02
131 .
132 XEQ 03
133 .005
134 15.02
135 XEQ "CPY" ;Copy (Line 249)
136 RCL 13
137 E-3

```

```

138 *
139 14
140 +
141 STO 12
142 RCL IND 12
143 ISG 12
144 XEQ 06
145 7
146 STO 06
147 .005
148 15.02
149 XEQ 07
150 TONE 8
151 CLX
152 RTN
153 LBL 06
154 RCL IND 12
155 FRC
156 LASTX
157 INT
158 DSE X
159 "" ;F0=null string (NOP)
160 E-3
161 *
162 -
163 +
164 FRC
165 R^
166 FRC
167 E3
168 *
169 +
170 ISG X
171 "" ;F0=null string (NOP)
172 STO IND 12
173 ISG 12
174 GTO 06
175 RTN
176 LBL 07
177 RCL IND Y
178 RCL IND Y
179 X#Y?
180 XEQ 05
181 RDN
182 RDN
183 ISG X
184 "" ;F0=null string (NOP)
185 ISG Y
186 GTO 07
187 RTN
188 LBL 03
189 RCL IND Y
190 X#Y?
191 XEQ 04
192 RDN
193 ISG Y
194 GTO 03
195 RTN
196 LBL 05
197 XROM 20,55 ;SM - PPC ROM Stack to Memory
198 XROM 10,48 ;MS - PPC ROM Memory to Stack
199 XEQ "CPY" ;Copy (Line 249)
200 XROM 10,48 ;MS - PPC ROM Memory to Stack
201 RTN
202 LBL 04
203 STO IND T
204 ISG T
205 "" ;F0=null string (NOP)
206 ISG 13
207 "" ;F0=null string (NOP)

```

```

208 RTN
209 LBL "DFD" ;Display File Directory
210 21.026
211 15.02
212 LBL 09
213 CLA
214 RCL IND X
215 ARCL IND Z
216 XROM 10,07 ;VA - PPC ROM View Alpha
217 STOP
218 RDN
219 ISG X
220 "" ;F0=null string (NOP)
221 ISG Y
222 GTO 09
223 CLA
224 CLX
225 TONE 8
226 RTN
227 LBL "LST" ;Last
228 ISG 13
229 "" ;F0=null string (NOP)
230 STO IND 13
231 RDN
232 STO M
233 RDN
234 STO N
235 RDN
236 RDN
237 RCL IND Z
238 RCL 13
239 6
240 +
241 X<>Y
242 STO IND Y
243 XEQ "CND" ;Condense (Line 116)
244 .
245 STO IND M
246 STO IND N
247 XEQ "CND" ;Condense (Line 116)
248 RTN
249 LBL "CPY" ;Copy
250 LBL 08
251 RCL IND Y
252 STO IND Y
253 RDN
254 ISG X
255 "" ;F0=null string (NOP)
256 ISG Y
257 GTO 08
258 RTN
259 LBL "CFL" ;Create File
260 AON
261 "NAME?"
262 STOP
263 AOFF
264 RCL IND 13
265 FRC
266 E3
267 ST/ Z
268 X<>Y
269 ST* Y
270 +
271 +
272 ISG X
273 "" ;F0=null string (NOP)
274 ISG 13
275 "" ;F0=null string (NOP)
276 STO IND 13
277 RCL 13

```

278 6
279 +
280 ASTO IND X
281 RDN
282 RTN
283 END

0240C000F400494E498A11143D11151A1012163E7391748785
C000F4004352461A1EF343464CC000F4005550462D90F3691B
13429673018491F21B1C1392F075759673F0B10085C000F400
4E4352879BF19773F091726976681B1394717541CEF49772F0
749A73CEF19071A78875CEF175CEF485C000F4004443528790
8D691B134291729773F01A1919194090F3CE74CEF171A783CE
74CEF49B7375CEF29072401B1C1342409673F0960DF0918D16
2D409AF37585C000F40044444911151A10120012111A101216
001A0290F28478E00002759672F09671B200779F08850391F1
91F085C000F400434E449900701A1010150012111A10121600
1AE000031A1010150012111A1012161EF34350597011143D1A
1010150011151A1012001AE000031A1010150011151A10121E
F34350592D1B1C13421114403C908C960CE0000617361A1010
150011151A1012E000079F08778507908C6976689773F01B1C
134241406974691B1342409673F0918C960CB700850890F290
F279E0000575759673F09672B800850490F279E00004759672
B4008506A537A2B01EF3435059A2B0850591F09670F0960DF0
85C000F40044464412111A1012160011151A10120A8790F39B
F1A28784759673F09672BA0087779F0885C000F4004C535496
0DF0918D759175759176757590F12D16407191F21EF3434E44
1A91F591F61EF3434E4485C000F4004350590990F291F27596
73F09672B90085C000F40043464C8CF54E414D453F848B908D
691B13957171947240409673F0960DF0918D2D16409AF37585
C0000D3B

576 BYTES

HP-41C Data Handling Routines by Art Borron PPC V9 N4 P70 May-Jul 1982

Program Registers Needed: 83

Row 1 (1 - 5)



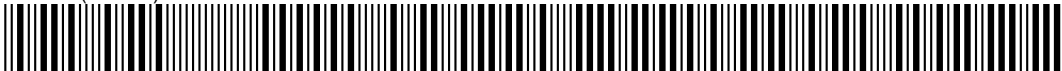
Row 2 (5 - 11)



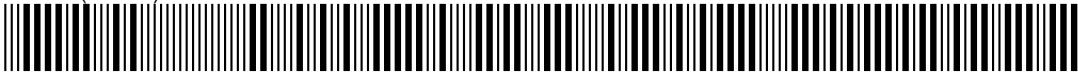
Row 3 (11 - 14)



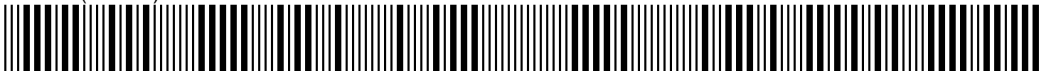
Row 4 (14 - 20)



Row 5 (21 - 28)



Row 6 (29 - 34)



Row 7 (34 - 42)



Row 8 (43 - 51)



Row 9 (51 - 58)



Row 10 (58 - 64)



Row 11 (65 - 71)



Row 12 (71 - 78)



Row 13 (79 - 86)



Row 14 (87 - 95)



Row 15 (95 - 97)



Row 16 (97 - 103)



HP-41C Data Handling Routines by Art Borron PPC V9 N4 P70 May-Jul 1982

Row 17 (104 - 112)



Row 18 (113 - 117)



Row 19 (117 - 120)



Row 20 (121 - 124)



Row 21 (124 - 129)



Row 22 (129 - 132)



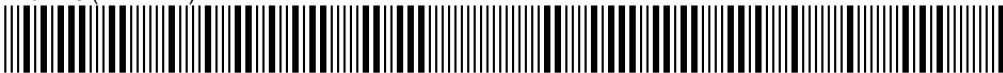
Row 23 (132 - 135)



Row 24 (135 - 142)



Row 25 (142 - 147)



Row 26 (148 - 153)



Row 27 (154 - 162)



Row 28 (163 - 172)



Row 29 (173 - 180)



Row 30 (180 - 189)



Row 31 (189 - 197)



Row 32 (197 - 203)



Row 33 (203 - 209)



HP-41C Data Handling Routines by Art Borron PPC V9 N4 P70 May-Jul 1982

Row 34 (209 - 211)



Row 35 (211 - 219)



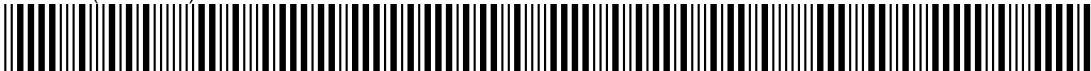
Row 36 (220 - 227)



Row 37 (227 - 233)



Row 38 (234 - 243)



Row 39 (243 - 247)



Row 40 (247 - 252)



Row 41 (252 - 259)



Row 42 (259 - 263)



Row 43 (264 - 272)



Row 44 (272 - 281)



Row 45 (282 - 283)

