

HP-41C Calendar Routines for ROM by Paul Schlyter
PPC Calculator Journal V7 No 6 Pg 12 Jul/Aug 1980

```
01 LBL 21
02 12
03 /
04 RCL M
05 +
06 367
07 *
08 GTO 20
09 LBL 22
10 RCL M
11 365.25
12 *
13 XEQ 20
14 RCL N
15 -
16 LBL 20
17 RCL X
18 1
19 MOD
20 -
21 RTN
22 LBL "G/J" ;Gregorian or Julian
23 "JUL"
24 FS? 19
25 "GREG"
26 AVIEW
27 FS?C 19
28 SF 20
29 FC?C 20
30 SF 19
31 RTN
32 LBL "JD" ;Julian Date
33 FS? 17
34 SF 18
35 INT
36 LASTX
37 FRC
38 1 E2
39 *
40 INT
41 FS? 17
42 X<>Y
43 LASTX
44 FRC
45 1 E2
46 FS? 18
47 X^2
48 *
49 FS? 18
50 X<> Z
51 ABS
52 X<>Y
53 ABS
54 FC? 18
55 X<>Y
56 STO O
57 RDN
58 2
59 STO N
60 -
61 X>0?
62 SF 20
63 1
64 FS?C 20
65 CLX
66 STO M
67 RDN
```

```
68 XEQ 21
69 ST+ O
70 RDN
71 RCL M
72 -
73 STO M
74 1 E2
75 /
76 XEQ 20
77 FC? 19
78 STO N
79 .75
80 ST* N
81 XEQ 22
82 ST+ O
83 RCL O
84 1721089
85 +
86 FS? 17
87 CF 18
88 RTN
89 LBL "UTIN" ;Universal Time Input
90 X<>Y
91 .5
92 +
93 XEQ 20
94 X<>Y
95 HR
96 12
97 -
98 24
99 /
100 +
101 RTN
102 LBL "DOW" ;Day of the Week
103 RCL X
104 .5
105 +
106 XEQ 20
107 7
108 MOD
109 RDN
110 XEQ IND T
111 AVIEW
112 RTN
113 LBL 00
114 "MON"
115 RTN
116 LBL 01
117 "TUE"
118 RTN
119 LBL 02
120 "WED"
121 RTN
122 LBL 03
123 "THU"
124 RTN
125 LBL 04
126 "FRI"
127 RTN
128 LBL 05
129 "SAT"
130 RTN
131 LBL 06
132 "SUN"
133 RTN
134 LBL "CALD" ;Calendar Date
135 FS? 17
136 SF 18
137 .5
```

```
138 +
139 XEQ 20
140 LASTX
141 24
142 *
143 STO 01
144 RDN
145 1721089
146 -
147 STO O
148 30.02
149 -
150 36524.25
151 /
152 XEQ 20
153 FS? 19
154 2
155 .75
156 *
157 STO N
158 .1
159 -
160 XEQ 20
161 RCL O
162 +
163 30.02
164 +
165 365.25
166 /
167 STO 00
168 XEQ 20
169 ENTER
170 X<> 00
171 .1622
172 -
173 XEQ 20
174 STO M
175 -
176 ENTER
177 XEQ 22
178 ST- O
179 CLX
180 RCL O
181 367
182 /
183 R^
184 -
185 12
186 *
187 1.998
188 +
189 INT
190 X<> 01
191 X<>Y
192 STO M
193 CLX
194 RCL 01
195 2
196 -
197 XEQ 21
198 ST- O
199 RDN
200 RCL O
201 FIX 0
202 CF 29
203 " " ;1 space
204 FS? 18
205 GTO 00
206 ARCL 00
207 >" " ;Append 1 space
```

```

208 ARCL 01
209 >" " ;Append 1 space
210 ARCL X
211 GTO 01
212 LBL 00
213 FS? 17
214 X<> 01
215 ARCL 01
216 >"/" ;Append forward slash
217 ARCL X
218 >" " ;Append 1 space
219 ARCL 00
220 FS? 17
221 X<> 01
222 LBL 01
223 RDN
224 XEQ 10
225 XEQ 10
226 AVIEW
227 FS? 17
228 CF 18
229 RTN
230 LBL "UTOUT" ;Universal Time Output
231 FIX 0
232 " " ;1 space
233 ARCL Z
234 >" " ;Append 1 space
235 ARCL Y
236 >" " ;Append 1 space
237 FIX 2
238 ARCL X
239 AVIEW
240 RTN
241 LBL 10
242 INT
243 LASTX
244 FRC
245 60
246 *
247 RTN
248 END

```

```

01F9CF1511124390754013161742D00014CF1690751316151A
121542E00014907641CF149073114B4185C000F400472F4AF3
4A554CAC13F4475245477EAA13A814AB14A81385C000F3004A
44AC11A812687669111B124268AC11717669111B12AC125142
AC12CE71617161AD12719177751291764164A81411AA147791
7575E000159277759075419175111B1243E00014AD1391761A
17159476E00016927790771117121110181940AC11A91285C0
00F5005554494E711A1540E00014716D1112411214434085C0
00F400444F5790731A1540E00014174B75AEF07E8501F34D4F
4E8502F35455458503F35745448504F35448558505F3465249
8506F35341548507F353554E85C000F50043414C44AC11A812
1A1540E000147612144231751117121110181941917713101A
10124113161512141A121543E00014AC1312001A1715429176
1A1141E0001490774013101A1012401316151A12154330E000
1483CE001A1116121241E0001491754183E000169377779077
131617437441111242111A1919184068CE0171917577211241
E0001593777590779C00A91DF120AC12B1009B00F27F209B01
F27F209B73B20001AC11CE019B01F27F2F9B73F27F209B00AC
11CE010275E0000AE0000A7EAC11A91285C000F60055544F55
549C00F1209B71F27F209B72F27F209C029B737E850B687669
16104285C0000D1A

```

505 BYTES

HP-41C Calendar Routines by Paul Schlyter PPC V7 N6 P12 Jul/Aug 1980

Program Registers Needed: 73

Row 1 (1 - 8)



Row 2 (8 - 12)



Row 3 (13 - 20)



Row 4 (21 - 24)



Row 5 (24 - 29)



Row 6 (30 - 34)



Row 7 (35 - 44)



Row 8 (45 - 52)



Row 9 (53 - 62)



Row 10 (62 - 69)



Row 11 (70 - 76)



Row 12 (77 - 82)



Row 13 (82 - 86)



Row 14 (87 - 91)



Row 15 (91 - 99)



Row 16 (100 - 104)



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Row 17 (105 - 114)



Row 18 (114 - 120)



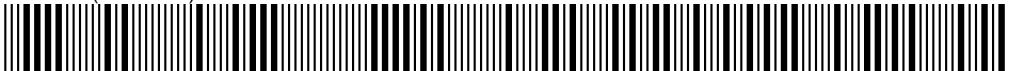
Row 19 (120 - 126)



Row 20 (126 - 132)



Row 21 (133 - 136)



Row 22 (137 - 145)



Row 23 (145 - 148)



Row 24 (148 - 152)



Row 25 (152 - 158)



Row 26 (159 - 164)



Row 27 (165 - 170)



Row 28 (170 - 175)



Row 29 (176 - 182)



Row 30 (183 - 190)



Row 31 (190 - 198)



Row 32 (199 - 205)



Row 33 (206 - 211)



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Row 34 (211 - 217)



Row 35 (218 - 224)



Row 36 (224 - 230)



Row 37 (230 - 234)



Row 38 (234 - 240)



Row 39 (241 - 248)

