

HP-41C Fastest HP Calendar Program by Roger Hill
PPC Calculator Journal Vol 7 N8 P16 October 1980

```
01 LBL "CAL-F" ;Fastest HP Calendar Program
02 "START YEAR?"
03 PROMPT
04 INT
05 X<=0?
06 LN
07 STO 01
08 .23
09 -
10 STO 00
11 CLX
12 "MONTH?(0-12)"
13 PROMPT
14 ABS
15 INT
16 ENTER
17 X=0?
18 SIGN
19 STO 02
20 12
21 STO 03
22 X<Y?
23 ASIN
24 /
25 ST+ 00
26 X>Y?
27 GTO 10
28 SIGN
29 "NO. MONTHS?"
30 PROMPT
31 INT
32 STO 03
33 LBL 10
34 XROM 29,10 ;PRBUF
35 FIX 0
36 CF 29
37 .012
38 ST+ 02
39 31
40 RCL 00
41 *
42 INT
43 RCL 00
44 INT
45 STO 00
46 1
47 %
48 INT
49 .75
50 ST* 00
51 *
52 +
53 -
54 INT
55 RCL 00
56 -
57 INT
58 3
59 +
60 STO 00
61 LBL 20
62 SF 12
63 CLX
64 ADV
65 XEQ IND 02
66 GTO 13
67 LBL 01
```

```
68 "JAN"
69 RTN
70 LBL 03
71 "MAR"
72 RTN
73 LBL 05
74 "MAY"
75 RTN
76 LBL 07
77 "JUL"
78 RTN
79 LBL 08
80 "AUG"
81 RTN
82 LBL 10
83 "OCT"
84 RTN
85 LBL 12
86 "DEC"
87 RTN
88 LBL 04
89 "APR"
90 SIGN
91 RTN
92 LBL 06
93 "JUN"
94 SIGN
95 RTN
96 LBL 09
97 "SEP"
98 SIGN
99 RTN
100 LBL 11
101 "NOV"
102 SIGN
103 RTN
104 LBL 02
105 "FEB"
106 SIGN
107 RCL 01
108 %
109 ENTER
110 INT
111 X#Y?
112 RCL 01
113 4
114 MOD
115 X#0?
116 SIGN
117 2
118 +
119 RTN
120 LBL 13
121 >" " ;Append 1 space
122 ARCL 01
123 >" " ;Append 2 spaces
124 XROM 29,01 ;ACA
125 ADV
126 CF 12
127 10
128 X<>Y
129 -
130 ENTER
131 X<> 00
132 7
133 MOD
134 ST+ 00
135 "SU MO TU WE "
136 >"TH FR SA "
137 XROM 29,01 ;ACA
```

138 ADV
139 XEQ IND X
140 GTO 15
141 LBL 01
142 GTO 71
143 LBL 02
144 GTO 72
145 LBL 03
146 GTO 73
147 LBL 04
148 GTO 74
149 LBL 05
150 GTO 75
151 LBL 06
152 GTO 76
153 LBL 00
154 "1 2 3 4 "
155 "> 5 6 7 "
156 XROM 29,01 ;ACA
157 ADV
158 "8 9 10 11 "
159 ">12 13 14 "
160 XROM 29,01 ;ACA
161 ADV
162 "15 16 17 18 "
163 ">19 20 21 "
164 XROM 29,01 ;ACA
165 ADV
166 "22 23 24 25 "
167 ">26 27 28 "
168 XEQ IND Y
169 RTN
170 LBL 10
171 XROM 29,01 ;ACA
172 ADV
173 "29 30 31"
174 14
175 RTN
176 LBL 09
177 XROM 29,01 ;ACA
178 ADV
179 "29 30"
180 17
181 RTN
182 LBL 08
183 XROM 29,01 ;ACA
184 ADV
185 "29"
186 20
187 RTN
188 LBL 07
189 CLX
190 RTN
191 LBL 71
192 "1 2 3 "
193 "> 4 5 6 "
194 XROM 29,01 ;ACA
195 ADV
196 "7 8 9 10 "
197 ">11 12 13 "
198 XROM 29,01 ;ACA
199 ADV
200 "14 15 16 17 "
201 ">18 19 20 "
202 XROM 29,01 ;ACA
203 ADV
204 "21 22 23 24 "
205 ">25 26 27 "
206 XROM 29,01 ;ACA
207 ADV

```
208 "28 "  
209 XEQ IND Y  
210 RTN  
211 LBL 10  
212 >"29 30 31"  
213 11  
214 RTN  
215 LBL 09  
216 >"29 30"  
217 14  
218 RTN  
219 LBL 08  
220 >"29"  
221 17  
222 RTN  
223 LBL 07  
224 19  
225 RTN  
226 LBL 72  
227 "1 2 3 4 5 "  
228 XROM 29,01 ;ACA  
229 ADV  
230 "6 7 8 9 "  
231 >"10 11 12 "  
232 XROM 29,01 ;ACA  
233 ADV  
234 "13 14 15 16 "  
235 >"17 18 19 "  
236 XROM 29,01 ;ACA  
237 ADV  
238 "20 21 22 23 "  
239 >"24 25 26 "  
240 XROM 29,01 ;ACA  
241 ADV  
242 "27 28 "  
243 XEQ IND Y  
244 RTN  
245 LBL 10  
246 >"29 30 31"  
247 8  
248 RTN  
249 LBL 09  
250 >"29 30"  
251 11  
252 RTN  
253 LBL 08  
254 >"29"  
255 14  
256 RTN  
257 LBL 07  
258 16  
259 RTN  
260 LBL 73  
261 "1 2 3 4 "  
262 XROM 29,01 ;ACA  
263 ADV  
264 "5 6 7 8 "  
265 >" 9 10 11 "  
266 XROM 29,01 ;ACA  
267 ADV  
268 "12 13 14 15 "  
269 >"16 17 18 "  
270 XROM 29,01 ;ACA  
271 ADV  
272 "19 20 21 22 "  
273 >"23 24 25 "  
274 XROM 29,01 ;ACA  
275 ADV  
276 "26 27 28 "  
277 XEQ IND Y
```

```
278 RTN
279 LBL 10
280 >"29 30 31"
281 5
282 RTN
283 LBL 09
284 >"29 30"
285 8
286 RTN
287 LBL 08
288 >"29"
289 11
290 RTN
291 LBL 07
292 13
293 RTN
294 LBL 74
295 "1 2 3 "
296 XROM 29,01 ;ACA
297 ADV
298 "4 5 6 7 "
299 >" 8 9 10 "
300 XROM 29,01 ;ACA
301 ADV
302 "11 12 13 14 "
303 >"15 16 17 "
304 XROM 29,01 ;ACA
305 ADV
306 "18 19 20 21 "
307 >"22 23 24 "
308 XROM 29,01 ;ACA
309 ADV
310 "25 26 27 28 "
311 XEQ IND Y
312 RTN
313 LBL 10
314 >"29 30 31"
315 2
316 RTN
317 LBL 09
318 >"29 30"
319 5
320 RTN
321 LBL 08
322 >"29"
323 8
324 RTN
325 LBL 07
326 10
327 RTN
328 LBL 75
329 "1 2 "
330 XROM 29,01 ;ACA
331 ADV
332 "3 4 5 6 "
333 >" 7 8 9 "
334 XROM 29,01 ;ACA
335 ADV
336 "10 11 12 13 "
337 >"14 15 16 "
338 XROM 29,01 ;ACA
339 ADV
340 "17 18 19 20 "
341 >"21 22 23 "
342 XROM 29,01 ;ACA
343 ADV
344 "24 25 26 27 28 "
345 XEQ IND Y
346 RTN
347 LBL 10
```

```
348 >"29 30 "
349 XROM 29,01 ;ACA
350 ADV
351 "31"
352 20
353 RTN
354 LBL 09
355 >"29 30"
356 2
357 RTN
358 LBL 08
359 >"29"
360 5
361 RTN
362 LBL 07
363 7
364 RTN
365 LBL 76
366 "1 "
367 XROM 29,01 ;ACA
368 ADV
369 "2 3 4 5 "
370 >" 6 7 8 "
371 XROM 29,01 ;ACA
372 ADV
373 "9 10 11 12 "
374 >"13 14 15 "
375 XROM 29,01 ;ACA
376 ADV
377 "16 17 18 19 "
378 >"20 21 22 "
379 XROM 29,01 ;ACA
380 ADV
381 "23 24 25 26 "
382 >"27 28 "
383 XEQ IND Y
384 RTN
385 LBL 10
386 >"29 "
387 XROM 29,01 ;ACA
388 ADV
389 "30 31"
390 17
391 RTN
392 LBL 09
393 >"29 "
394 XROM 29,01 ;ACA
395 ADV
396 "30"
397 20
398 RTN
399 LBL 08
400 >"29"
401 2
402 RTN
403 LBL 07
404 4
405 RTN
406 LBL 15
407 XROM 29,01 ;ACA
408 XROM 29,22 ;SKPCHR
409 ADV
410 ISG 02
411 GTO 10
412 12
413 ST- 02
414 ISG 01
415 LBL 10
416 DSE 03
417 GTO 20
```

418 ADV
419 ADV
420 ADV
421 ADV
422 ADV
423 END

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32362032372032382020AEF2850BA7418FF832392033302033
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2031332020A7418FFC313420313520313620313720FB7F3138
2031392032302020A7418FFC323120323220323320323420FB
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342032352032362020A7418FF6323720323820AEF2850BF97F
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8FFB3520203620203720203820FB7F20392031302031312020
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382020A7418FFC313920323020323120323220FB7F32332032
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313120313220313320313420FB7F31352031362031372020A7
418FFC313820313920323020323120FB7F3232203233203234
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3920333020333112850AF67F3239203330158509F37F323918
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FF323420323520323620323720323820AEF2850BF87F323920
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313720313820313920FB7F32302032312032322020A7418FFC
323320323420323520323620F77F323720323820AEF2850BF5
7F32392020A7418FF533302033311117850AF57F32392020A7
418FF2333012108509F37F32391285081485CF0FA741A7568F
9602BB001112930296010B9703D000148F8F8F8F8F8FC0000D20

1397 BYTES

HP-41C Fastest Calendar Program by Roger Hill PPC V7 N8 P16 Oct 1980

Program Registers Needed: 200

Row 1 (1 - 2)



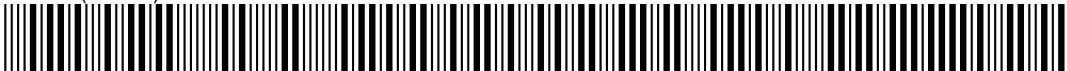
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Row 3 (8 - 12)



Row 4 (12 - 19)



Row 5 (20 - 29)



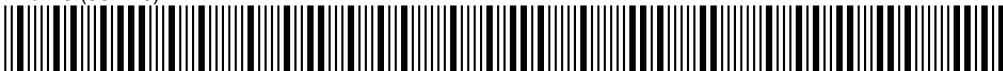
Row 6 (29 - 31)



Row 7 (32 - 38)



Row 8 (38 - 49)



Row 9 (49 - 59)



Row 10 (60 - 68)



Row 11 (68 - 74)



Row 12 (74 - 80)



Row 13 (80 - 86)



Row 14 (87 - 93)



Row 15 (94 - 101)



Row 16 (101 - 110)



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Row 17 (111 - 121)



Row 18 (122 - 127)



Row 19 (128 - 135)



Row 20 (135 - 136)



Row 21 (136 - 139)



Row 22 (140 - 146)



Row 23 (146 - 152)



Row 24 (152 - 154)



Row 25 (154 - 155)



Row 26 (156 - 158)



Row 27 (158 - 159)



Row 28 (159 - 162)



Row 29 (162 - 163)



Row 30 (163 - 166)



Row 31 (166 - 167)



Row 32 (167 - 173)



Row 33 (173 - 177)



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Row 34 (177 - 183)



Row 35 (183 - 191)



Row 36 (192 - 193)



Row 37 (193 - 196)



Row 38 (196 - 197)



Row 39 (197 - 200)



Row 40 (200 - 201)



Row 41 (201 - 202)



Row 42 (203 - 204)



Row 43 (204 - 205)



Row 44 (206 - 212)



Row 45 (212 - 216)



Row 46 (216 - 220)



Row 47 (220 - 227)



Row 48 (227)



Row 49 (228 - 230)



Row 50 (230 - 231)



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Row 51 (231 - 234)



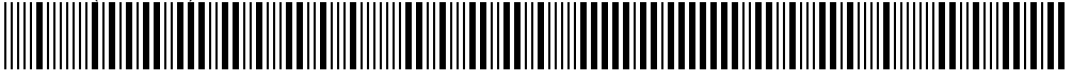
Row 52 (234 - 235)



Row 53 (235 - 238)



Row 54 (238 - 239)



Row 55 (239 - 242)



Row 56 (242 - 246)



Row 57 (246 - 250)



Row 58 (251 - 258)



Row 59 (258 - 261)



Row 60 (261 - 264)



Row 61 (264 - 265)



Row 62 (265 - 268)



Row 63 (268 - 269)



Row 64 (269 - 272)



Row 65 (272 - 273)



Row 66 (273 - 276)



Row 67 (276 - 279)



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Row 68 (280 - 283)



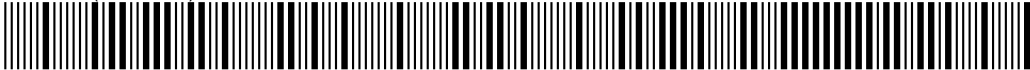
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Row 70 (288 - 295)



Row 71 (295 - 298)



Row 72 (298 - 299)



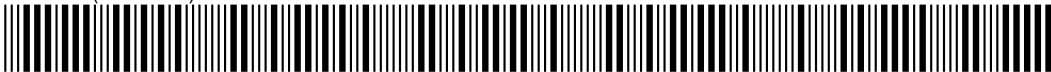
Row 73 (299 - 302)



Row 74 (302 - 303)



Row 75 (303 - 305)



Row 76 (306)



Row 77 (307 - 308)



Row 78 (308 - 310)



Row 79 (310 - 314)



Row 80 (314 - 318)



Row 81 (319 - 327)



Row 82 (328 - 332)



Row 83 (332 - 333)



Row 84 (333 - 335)



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Row 85 (336)



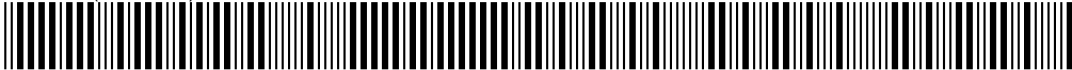
Row 86 (337 - 338)



Row 87 (338 - 340)



Row 88 (340 - 341)



Row 89 (341 - 344)



Row 90 (344 - 348)



Row 91 (348 - 351)



Row 92 (352 - 357)



Row 93 (358 - 366)



Row 94 (366 - 369)



Row 95 (369 - 370)



Row 96 (370 - 373)



Row 97 (373 - 374)



Row 98 (374 - 377)



Row 99 (377 - 378)



Row 100 (378 - 381)



Row 101 (381 - 382)

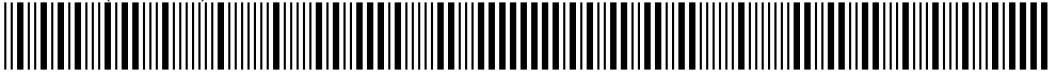


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Row 102 (382 - 386)



Row 103 (386 - 390)



Row 104 (391 - 396)



Row 105 (396 - 404)



Row 106 (405 - 412)



Row 107 (412 - 419)



Row 108 (420 - 423)

