

HP-41C Biorhythm Plotting by Jim De Arras
PPC Calculator Journal V7 N1 P28 Jan 1980

User Instructions - Biorhythm

1. Load Program, SIZE 010, Printer "MAN".
2. XEQ "BIO", Key in full name (up to 24 Char), R/S.
3. Key Birthdate, MM.DDYYYY, then R/S.
4. Key Start date, MM.DDYYYY, then R/S.
5. Key in No. of days to be plotted, then R/S.
6. For new plot go to step 2.

```
01 LBL "BIO" ;Biorhythm Plot
02 CF 29
03 FIX 4
04 365.25
05 STO 05
06 30.6001
07 STO 06
08 ADV
09 ADV
10 "BIORHYTHM PLOT "
11 ">"FOR"
12 XROM 29,01 ;ACA
13 "NAME ?"
14 AON
15 PROMPT
16 ASTO 00
17 ASHF
18 ASTO 01
19 ASHF
20 ASTO 02
21 ASHF
22 ASTO 03
23 AOFF
24 "BIRTHDATE ?"
25 PROMPT
26 STO 07
27 "START DATE ?"
28 PROMPT
29 STO 08
30 "DAY COUNT ?"
31 PROMPT
32 "WORKING-"
33 CF 21
34 AVIEW
35 SF 21
36 STO 09
37 XROM 29,10 ;PRBUF
38 CLA
39 RCL 02
40 ASTO Y
41 X=Y?
42 SF 12
43 ARCL 00
44 ARCL 01
45 ARCL 02
46 ARCL 03
47 XROM 29,01 ;ACA
48 XROM 29,10 ;PRBUF
49 CF 12
50 RCL 08
51 XEQ 41
52 STO 08
53 RCL 07
54 XEQ 41
55 STO 07
56 ST- 08
57 "BIRTH DATE - "
58 XROM 29,01 ;ACA
59 RCL 07
```

```
60 CF 28
61 XEQ 48
62 "START DATE - "
63 XROM 29,01 ;ACA
64 RCL 07
65 RCL 08
66 +
67 XEQ 48
68 SF 28
69 FIX 0
70 "DURATION - "
71 ARCL 09
72 ">" DAYS"
73 XROM 29,01 ;ACA
74 XROM 29,10 ;PRBUF
75 ADV
76 "DATE"
77 XROM 29,01 ;ACA
78 3
79 XROM 29,23 ;SKPCOL
80 " LOW 0"
81 ">" HIGH"
82 XROM 29,01 ;ACA
83 XROM 29,10 ;PRBUF
84 LBL 45
85 RCL 07
86 RCL 08
87 +
88 XEQ 40
89 STO 00
90 FRC
91 1 E2
92 *
93 INT
94 " "
95 4
96 X>Y?
97 XEQ 44
98 CLX
99 9
100 X<>Y
101 X<=Y?
102 ">" "
103 ARCL X
104 XROM 29,01 ;ACA
105 XEQ 43
106 22
107 STO 04
108 XEQ 50
109 1
110 ST+ 08
111 DSE 09
112 GTO 45
113 "DONE"
114 ADV
115 ADV
116 ADV
117 ADV
118 ADV
119 CF 21
120 AVIEW
121 SF 21
122 BEEP
123 RTN
124 LBL 40
125 STO 00
126 122.1
127 -
128 RCL 05
129 /
```

130 INT
131 STO 03
132 RCL 05
133 *
134 INT
135 RCL 00
136 -
137 CHS
138 STO 04
139 RCL 06
140 /
141 INT
142 STO 01
143 RCL 04
144 X<>Y
145 RCL 06
146 *
147 INT
148 -
149 STO 02
150 RCL 01
151 1
152 RCL 02
153 %
154 -
155 -
156 RCL 01
157 14
158 /
159 XEQ 02
160 RCL 03
161 1 E6
162 /
163 +
164 RTN
165 LBL 41
166 ENTER
167 INT
168 STO 01
169 -
170 1 E2
171 *
172 ENTER
173 INT
174 STO 02
175 -
176 1 E4
177 *
178 STO 03
179 RCL 01
180 1
181 +
182 ENTER
183 1/X
184 .7
185 +
186 CHS
187 XEQ 02
188 RCL 06
189 *
190 INT
191 RCL 03
192 RCL 05
193 *
194 INT
195 +
196 RCL 02
197 +
198 RTN
199 LBL 02

200 INT
201 ST+ 03
202 12
203 *
204 -
205 RTN
206 LBL 43
207 18
208 STO 04
209 1.003
210 STO 00
211 LBL 46
212 5
213 ST+ 04
214 RCL 08
215 RCL 04
216 /
217 FRC
218 360
219 *
220 SIN
221 68
222 *
223 INT
224 97
225 +
226 RCL 00
227 10
228 /
229 +
230 STO IND 00
231 ISG 00
232 GTO 46
233 RTN
234 LBL 50
235 RCL 01
236 RCL 02
237 X>Y?
238 GTO 00
239 STO 01
240 X<>Y
241 STO 02
242 SF 00
243 LBL 00
244 RCL 03
245 X>Y?
246 GTO 00
247 STO 02
248 X<>Y
249 STO 03
250 GTO 50
251 LBL 00
252 FS?C 00
253 GTO 50
254 1.003
255 STO 00
256 SF 01
257 LBL 23
258 RCL 04
259 RCL IND 00
260 INT
261 FC? 01
262 GTO 00
263 98
264 X<Y?
265 XEQ 33
266 RDN
267 LBL 00
268 X<Y?
269 GTO 00

```
270 X<>Y
271 -
272 XROM 29,23 ;SKPCOL
273 3
274 +
275 ST+ 04
276 RCL IND 00
277 FRC
278 10
279 *
280 GTO IND X
281 LBL 01
282 127
283 XROM 29,03 ;ACCOL
284 9
285 XROM 29,03 ;ACCOL
286 15
287 XROM 29,03 ;ACCOL
288 GTO 00
289 LBL 02
290 62
291 XROM 29,03 ;ACCOL
292 73
293 XROM 29,03 ;ACCOL
294 70
295 XROM 29,03 ;ACCOL
296 GTO 00
297 LBL 03
298 68
299 XROM 29,03 ;ACCOL
300 125
301 XROM 29,03 ;ACCOL
302 64
303 XROM 29,03 ;ACCOL
304 LBL 00
305 ISG 00
306 GTO 23
307 FC? 01
308 GTO 00
309 RCL 04
310 98
311 ENTER
312 XEQ 33
313 LBL 00
314 XROM 29,10 ;PRBUF
315 RTN
316 LBL 33
317 CF 01
318 RDN
319 X<>Y
320 R^
321 X>Y?
322 GTO 00
323 LBL 34
324 RDN
325 X<>Y
326 R^
327 RTN
328 LBL 00
329 X<>Y
330 -
331 XROM 29,23 ;SKPCOL
332 119
333 XROM 29,03 ;ACCOL
334 99
335 STO 04
336 R^
337 R^
338 RTN
339 LBL 44
```

```
340 RCL 00
341 XEQ IND X
342 RDN
343 RDN
344 ASTO 00
345 STO 04
346 LBL 47
347 " " " ;5 spaces
348 ARCL 00
349 ASTO 01
350 ASHF
351 ASTO 00
352 " " ;1 space
353 ARCL 01
354 ASHF
355 DSE 04
356 GTO 47
357 RCL 02
358 ENTER
359 RTN
360 LBL 48
361 XEQ 40
362 XEQ IND X
363 ">" " ;Append 1 space
364 FRC
365 1 E2
366 *
367 ARCL X
368 XROM 29,01 ;ACA
369 XROM 29,10 ;PRBUF
370 RTN
371 LBL 01
372 "JAN"
373 RTN
374 LBL 02
375 "FEB"
376 RTN
377 LBL 03
378 "MAR"
379 RTN
380 LBL 04
381 "APR"
382 RTN
383 LBL 05
384 "MAY"
385 RTN
386 LBL 06
387 "JUN"
388 RTN
389 LBL 07
390 "JUL"
391 RTN
392 LBL 08
393 "AUG"
394 RTN
395 LBL 09
396 "SEP"
397 RTN
398 LBL 10
399 "OCT"
400 RTN
401 LBL 11
402 "NOV"
403 RTN
404 LBL 12
405 "DEC"
406 END
```

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1011368F8FFF42494F52485954484D20504C4F5420F47F464F
52A741F64E414D45203F8C8E9A00889A01889A02889A038BFB
424952544844415445203F8E37FC5354415254204441544520
3F8E38FB44415920434F554E54203F8EF8574F524B494E472D
A9157EA81539A74A87229A7278A80C9B009B019B029B03A741
A74AA90C28E000293827E00029379308FD4249525448204441
5445202D20A74127A91CE00030FD5354415254204441544520
2D20A741272840E00030A81C9C00FB4455524154494F4E202D
209B09F67F2044415953A741A74A8FF444415445A74113A757
FA20204C4F572020202030F97F2020202048494748A741A74A
CF2D272840E000283069111B124268F1201445E0002C771971
46F27F209B73A741E0002B121234E000321192089709D0002D
F4444F4E458F8F8F8F8FA9157EA8158685CF28301112121A11
41254368332542682041543426436831247126426841322111
224C414121111443E0000223111B16434085CF298368314111
1B124283683241111B14423321114083601A174054E0000226
42682325426840224085036892031112424185CF2B11183411
1A10101330CF2E159204282443691316104259161842681917
40201110434091809600D0002E85CF32212245B100317132A8
00012345B100327133D0003201AA00D00032111A10101330A8
01CF1724908068AD01B100191844E00021750144B1007141A7
5713409204908069111042AE7302111217A74319A7431115A7
43B100031612A7431713A7431710A743B100041618A7431112
15A7431614A743019600D00017AD01B10024191883E0002101
A74A85CF21A90175717445B100CF2275717485017141A75711
1119A743191934747485CF2C20AEF375759A0034CF2FF52020
2020209B009A01889A00F1209B01889704D0002F228385CF30
E00028AEF3F27F2069111B12429B73A741A74A8502F34A414E
8503F34645428504F34D41528505F34150528506F34D415985
07F34A554E8508F34A554C8509F3415547850AF3534550850B
F34F4354850CF34E4F56850DF3444543C0000DC4

792 BYTES

HP-41C Biorhythm Plotting Program by Jim DeArras PPC V7 N1 P28 Jan 1980

Program Registers Needed: 114

Row 1 (1 - 4)



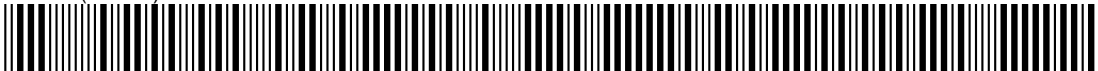
Row 2 (4 - 7)



Row 3 (8 - 10)



Row 4 (10 - 13)



Row 5 (13 - 18)



Row 6 (19 - 24)



Row 7 (24 - 27)



Row 8 (27 - 30)



Row 9 (30 - 32)



Row 10 (32 - 37)



Row 11 (37 - 45)



Row 12 (45 - 51)



Row 13 (52 - 57)



Row 14 (57 - 60)



Row 15 (60 - 62)



Row 16 (62 - 67)



HP-41C Biorhythm Plotting Program by Jim DeArras PPC V7 N1 P28 Jan 1980

Row 17 (68 - 70)



Row 18 (70 - 73)



Row 19 (73 - 79)



Row 20 (79 - 81)



Row 21 (81 - 83)



Row 22 (84 - 91)



Row 23 (92 - 101)



Row 24 (102 - 107)



Row 25 (108 - 113)



Row 26 (113 - 121)



Row 27 (122 - 129)



Row 28 (130 - 142)



Row 29 (143 - 155)



Row 30 (156 - 163)



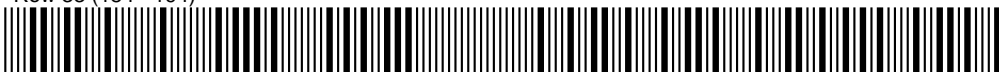
Row 31 (164 - 173)



Row 32 (174 - 184)



Row 33 (184 - 194)



HP-41C Biorhythm Plotting Program by Jim DeArras PPC V7 N1 P28 Jan 1980

Row 34 (195 - 205)



Row 35 (206 - 211)



Row 36 (212 - 221)



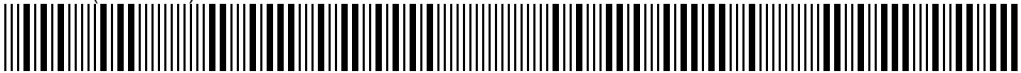
Row 37 (221 - 230)



Row 38 (231 - 238)



Row 39 (239 - 249)



Row 40 (250 - 254)



Row 41 (254 - 262)



Row 42 (262 - 270)



Row 43 (271 - 279)



Row 44 (280 - 286)



Row 45 (287 - 293)



Row 46 (294 - 300)



Row 47 (300 - 306)



Row 48 (307 - 314)



Row 49 (314 - 323)



Row 50 (323 - 332)



HP-41C Biorhythm Plotting Program by Jim DeArras PPC V7 N1 P28 Jan 1980

Row 51 (333 - 341)



Row 52 (342 - 347)



Row 53 (348 - 355)



Row 54 (355 - 362)



Row 55 (362 - 368)



Row 56 (369 - 375)



Row 57 (375 - 381)



Row 58 (382 - 388)



Row 59 (389 - 395)



Row 60 (396 - 402)



Row 61 (402 - 406)

