

HP-41C Banner Printing Program by Ernest Gibbs  
PPC Calculator Journal V9 N1 P12 Jan-Feb 1982

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01 LBL "BANNER" ;Print Banner Program
02 CF 21 ;Skip steps 3-6 if programs
03 5.131 ;BANCH1 & BANCH2 were used.
04 "READ DATA" ;Read characters 0-127 into
05 AVIEW ;registers 5-131 from cards
06 XROM 30,03 ;RDTAX - Read Character Data
07 SF 21
08 LBL E ;Initialize format of banner
09 "SHADOW" ;Y = negative, N = positive
10 0
11 XEQ Y ;Yes or No choice (Line 34)
12 "X-HATCH" ;Y = CHR 31, N = other char
13 2
14 XEQ Y ;Yes or No choice (Line 34)
15 31
16 "CHR?" ;Other crosshatch character
17 FC?C 02
18 PROMPT
19 X=0?
20 SF 02
21 32
22 FS? 00
23 X<>Y
24 STO 00
25 X<>Y
26 STO 01
27 "FULL HT." ;Y = full, N = half height
28 12
29 XEQ Y ;Yes or No choice (Line 34)
30 LBL 00
31 "READY"
32 TONE 9
33 PROMPT
34 LBL Y ;Yes or No choice routine
35 CF IND X
36 RDN
37 ">"?Y/N"
38 AON
39 PROMPT
40 AOFF
41 ASTO X
42 "Y"
43 ASTO Y
44 X=Y?
45 SF IND T
46 RTN
47 LBL C ;Print standard Character
48 FC? 02 ;whose ACCHR number is in X
49 GTO 01
50 FS? 00
51 STO 00
52 FC? 00
53 STO 01
54 LBL 01
55 4
56 +
57 RCL IND X
58 LBL B ;Print BLDSPEC character in X
59 SF 04
60 1.007
61 STO 03
62 LBL 03
63 RCL 00
64 XROM 29,02 ;ACCHR
65 XROM 29,02 ;ACCHR
66 7
67 STO 02
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68 R^
69 LBL 02
70 RCL 03
71 7
72 *
73 RCL 02
74 E
75 +
76 -
77 FS? 04
78 7
79 R^
80 STO L
81 X<> d
82 RCL 01
83 RCL 00
84 FS? IND T
85 X<>Y
86 X<> Z
87 STO d
88 X<> Z
89 XROM 29,02 ;ACCHR
90 LASTX
91 FC?C 04
92 GTO 04
93 X<> M
94 RCL N
95 RCL O
96 RCL P
97 >"\00" ;Append 1 null
98 STO P
99 RDN
100 STO O
101 RDN
102 STO N
103 RDN
104 X<> M
105 LBL 04
106 DSE 02
107 GTO 02
108 RCL 00
109 XROM 29,02 ;ACCHR
110 XROM 29,02 ;ACCHR
111 ADV
112 ISG 03
113 GTO 03
114 RTN
115 LBL A ;Print the Alpha register
116 SF 01
117 GTO 11
118 LBL 10
119 >"\00" ;Append 1 null
120 LBL 11
121 1.002
122 STO 02
123 16
124 STO 04
125 0
126 LBL 12
127 4
128 STO 03
129 X<>Y
130 LBL 13
131 RCL 02
132 4
133 *
134 RCL 03
135 +
136 27
137 +

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138 X<>Y
139 RCL P
140 X<> d
141 RCL 04
142 FS? IND T
143 ST+ Z
144 X<>Y
145 STO d
146 RDN
147 ENTER
148 +
149 STO 04
150 X<>Y
151 DSE 03
152 GTO 13
153 256
154 ST/ 04
155 X<>Y
156 ISG 02
157 GTO 12
158 X=0?
159 GTO 14
160 CF 01
161 XEQ C
162 GTO 10
163 LBL 14
164 FS? 01
165 GTO 10
166 RTN
167 LBL D      ;Print a single column,
168 RCL 00      ;with ACCOL number in X
169 XROM 29,02 ;ACCHR
170 XROM 29,02 ;ACCHR
171 X<>Y
172 64
173 LBL 05
174 -
175 X<0?
176 SF 05
177 LASTX
178 FS? 05
179 ST+ Y
180 RCL 01
181 RCL 00
182 FC?C 05
183 X<>Y
184 XROM 29,02 ;ACCHR
185 RDN
186 RDN
187 2
188 X>Y?
189 GTO 06
190 /
191 GTO 05
192 LBL 06
193 RCL 00
194 XROM 29,02 ;ACCHR
195 XROM 29,02 ;ACCHR
196 ADV
197 END

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016AC000F70042414E4E4552A915151A111311F95245414420  
444154417EA783A815CF6AF6534841444F5710E00072F7582D  
484154434812E000721311F44348523FAB028E67A8021312AC  
0071307131F846554C4C2048542E1112E0007201F552454144  
599F098ECF72A9F375F57F3F592F4E8C8E8B9A73F1599A7278  
A8F085CF68AD02B200AC0030AD003102144090F3CF67A80411  
1A101017330420A742A74217327403231742221B4041AC0417  
749174CE7E2120ACF071CE71917ECE71A74276AB04B500CE75  
907690779078F27F00917875917775917675CE75059702B300  
20A742A7428F9603B40085CF66A801BC000BF27F000C111A10  
101232111634100D1433710E2214422340121740719078CE7E  
24ACF0927171917E75834034719703BE001215169504719602  
BD0067BF00A901E00068BB000FAC01BB0085CF6920A742A742  
711614064166A80576AC0592722120AB0571A74275751245B7  
0043B6000720A742A7428FC0000D1D

362 BYTES

# HP-41C Banner Program by Ernest Gibbs PPC V9 N1 P12 Jan-Feb 1982

Program Registers Needed: 52

Row 1 (1 - 3)



Row 2 (3 - 4)



Row 3 (4 - 9)



Row 4 (9 - 12)



Row 5 (12 - 17)



Row 6 (17 - 26)



Row 7 (27 - 29)



Row 8 (29 - 34)



Row 9 (35 - 41)



Row 10 (41 - 48)



Row 11 (49 - 57)



Row 12 (58 - 64)



Row 13 (64 - 75)



Row 14 (76 - 84)



Row 15 (85 - 92)



Row 16 (92 - 98)



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Row 17 (98 - 106)



Row 18 (107 - 114)



Row 19 (115 - 121)



Row 20 (121 - 130)



Row 21 (131 - 140)



Row 22 (141 - 150)



Row 23 (151 - 157)



Row 24 (157 - 164)



Row 25 (164 - 172)



Row 26 (172 - 181)



Row 27 (182 - 191)



Row 28 (191 - 197)

