

HP-41C Star Trek Program by Cary Reinstein  
PPC Calculator Journal V7 N8 Pg 6 Oct 1980

```
01 LBL "TREK" ;Star Trek Program
02 LBL A
03 FIX 0
04 DEG
05 STO 05
06 0
07 STO 02
08 STO 03
09 STO 04
10 STO 06
11 9
12 STO 10
13 SF 00
14 CF 01
15 SF 02
16 CF 22
17 XEQ 40
18 X=0?
19 1/X
20 STO 01
21 4
22 LOG
23 STO 09
24 LASTX
25 E6
26 STO 07
27 *
28 *
29 *
30 STO 08
31 LBL 09
32 CF 04
33 XEQ 50
34 PSE
35 XEQ 15
36 LBL 07
37 RCL 01
38 ACOS
39 RND
40 "BEARING "
41 ARCL X
42 AVIEW
43 PSE
44 CLA
45 ARCL 08
46 ">" KM"
47 AVIEW
48 PSE
49 FS? 02
50 GTO 11
51 "ORDERS?"
52 AVIEW
53 PSE
54 LBL 10
55 DSE 10
56 GTO 10
57 GTO 30
58 LBL 10
59 VIEW 10
60 TONE P
61 PSE
62 FC?C 22
63 GTO 10
64 GTO IND X
65 LBL 11
66 DSE 10
67 RCL 02
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68 RCL 04
69 -
70 RND
71 3
72 X<=Y?
73 GTO 06
74 RCL 07
75 RCL 08
76 X>Y?
77 GTO 11
78 6
79 RCL 02
80 X>Y?
81 GTO 06
82 LBL 04
83 "PHASER"
84 AVIEW
85 FS? 04
86 GTO 00
87 RCL 02
88 -6
89 1/X
90 *
91 1
92 +
93 X<=0?
94 GTO 00
95 STO 00
96 12
97 *
98 RND
99 LBL 12
100 TONE 57
101 DSE X
102 GTO 12
103 RCL 07
104 ST+ X
105 RCL 08
106 /
107 X^2
108 LOG
109 XEQ 40
110 X>Y?
111 GTO 30
112 XEQ 20
113 RCL 00
114 GTO 14
115 LBL 11
116 8
117 RCL 02
118 RND
119 X>Y?
120 GTO 02
121 7
122 X<Y?
123 GTO 06
124 RCL 01
125 RCL 05
126 SQRT
127 SQRT
128 X>Y?
129 STO 01
130 LBL 05
131 "PHOTON"
132 AVIEW
133 FS? 04
134 GTO 00
135 RCL 07
136 RCL 08
137 X<Y?
```

```
138 GTO 00
139 RCL 02
140 7
141 X<Y?
142 GTO 00
143 "\29\7F" ;297F hex
144 SF 25
145 AVIEW
146 TONE 70
147 TONE 25
148 ASIN
149 LBL 13
150 DSE X
151 GTO 13
152 RCL 01
153 X^2
154 XEQ 40
155 X>Y?
156 GTO 30
157 XEQ 20
158 1
159 LBL 14
160 RCL 04
161 X>0?
162 LN
163 .37
164 *
165 2
166 1/X
167 +
168 FC?C 00
169 ST+ 04
170 10
171 RCL 04
172 X<Y?
173 GTO 30
174 RCL 06
175 .27
176 *
177 HMS
178 FIX 2
179 FC?C 02
180 SF 02
181 XEQ 50
182 TONE 10
183 GTO 08
184 LBL 20
185 "-*-"
186 FS? 00
187 " )("
188 AVIEW
189 AVIEW
190 AVIEW
191 TONE Z
192 RTN
193 LBL 02
194 SF 03
195 LBL 01
196 "DIS'NG"
197 FC? 03
198 "ATTACK"
199 AVIEW
200 8
201 RCL 02
202 RND
203 X>Y?
204 SF 04
205 4
206 FS?C 04
207 LN
```

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208 FC? 03
209 1/X
210 ST* 08
211 RCL 09
212 FS? 03
213 ST* 03
214 GTO 30
215 LBL 06
216 "REPAIR"
217 AVIEW
218 RCL 09
219 FS? 02
220 SQRT
221 RCL 10
222 RCL 09
223 Y^X
224 LASTX
225 *
226 RCL 05
227 FS? 02
228 ST+ X
229 *
230 X<Y?
231 X<>Y
232 ST- 02
233 XEQ 15
234 GTO 30
235 LBL 15
236 "DAMAGE "
237 RCL 02
238 X<0?
239 CLX
240 STO 02
241 10
242 *
243 RND
244 ARCL X
245 >"%"
246 AVIEW
247 PSE
248 RTN
249 LBL 00
250 SIN
251 "DISABLED"
252 AVIEW
253 TONE b
254 GTO 07
255 LBL 03
256 "SHIELD"
257 AVIEW
258 RCL 02
259 8
260 X<Y?
261 GTO 00
262 SF 00
263 SF 04
264 LBL 30
265 ISG 06
266 "" ;F0
267 2
268 ST- 10
269 "]" :-\02" ;Right bracket, colon, dash, boxed star = Enterprise
270 FS? 02
271 "]" -(" ;Right bracket, dash, left paren = Klingon Warship
272 AVIEW
273 SF 25
274 ASIN
275 RCL 10
276 X<=Y?
277 SF 01

```

```
278 XEQ 40
279 RCL 09
280 +
281 ST* 08
282 RCL 08
283 50 E6
284 X<=Y?
285 FACT
286 XEQ 40
287 RCL 01
288 ACOS
289 *
290 LASTX
291 X<>Y
292 -
293 COS
294 STO 01
295 FC?C 01
296 GTO 07
297 FC?C 02
298 SF 02
299 -.9
300 RCL 04
301 *
302 11
303 +
304 RND
305 STO 10
306 RCL 03
307 XEQ 40
308 STO 03
309 FS?C 03
310 X<>Y
311 STO 01
312 RCL 02
313 X<> 04
314 STO 02
315 GTO 09
316 LBL 40
317 RCL 05
318 PI
319 *
320 FRC
321 STO 05
322 RTN
323 LBL 50
324 FC? 02
325 CF 00
326 "ENTERPRISE"
327 FS? 02
328 "KLINGON"
329 AVIEW
330 END
```

0247C000F5005452454BCF669C0080351032333436193AA800  
A901A802A916E00028676031145639761B1637424242380AA9  
04E0003289E0000F08215D6EF842454152494E47209B737E89  
879B08F47F204B4D7E89AC02BC00F74F52444552533F7E890B  
970ABB00D0001E0B980A9F7889AB16BB00AE730C970A222441  
6E1346B700272845BC00162245B70005F65048415345527EAC  
04B100221C16604211407BB100301112426E0D9F399773BD00  
27927328435156E0002845D0001EE0001420BF000C18226E45  
B3001744B70021255252453106F650484F544F4E7EAC04B100  
272844B100221744B100F2297FA8197E9F469F195C0E9773BE  
002151E0002845D0001EE00014110F2464501A131742126040  
AB00920411102444D0001E261A1217426C9C02AB02A802E000  
329F0AB900CF14F32D2A2DAC00F32029287E7E7E9F718503A8  
0302F6444953274E47AD03F641545441434B7E18226E45A804  
14AA0450AD0360940829AC039403D0001E07F6524550414952  
7E29AC02522A2953764225AC0292734244719302E0000FD000  
1ECF0FF744414D41474520226677321110426E9B73F27F257E  
89850159F844495341424C45447E9F7CB80004F6534849454C  
447E221844B100A800A804CF1E9606F012930AF45D3A2D02AC  
02F35D2D287EA8195C2A46A801E00028294094082815101B16  
4662E00028215D427671415A31AB01B800AB02A8021C1A1924  
421111406E3A23E0002833AA03713122CE0432BA00CF282572  
42693585CF32AD02A900FA454E5445525052495345AC02F74B  
4C494E474F4E7EC0000D53

583 BYTES

# HP-41C Star Trek Program by Cary Reinstein PPC V7 N8 P6 October 1980

Program Registers Needed: 84

Row 1 (1 - 4)



Row 2 (5 - 15)



Row 3 (15 - 24)



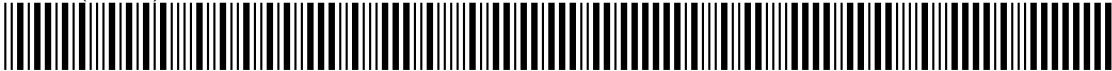
Row 4 (25 - 33)



Row 5 (34 - 40)



Row 6 (40 - 46)



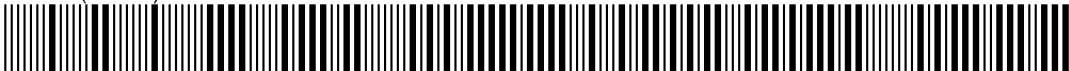
Row 7 (46 - 51)



Row 8 (51 - 57)



Row 9 (57 - 64)



Row 10 (65 - 75)



Row 11 (76 - 83)



Row 12 (83 - 90)



Row 13 (91 - 100)



Row 14 (101 - 109)



Row 15 (109 - 116)



Row 16 (117 - 127)



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Row 17 (128 - 133)



Row 18 (134 - 143)



Row 19 (143 - 150)



Row 20 (151 - 157)



Row 21 (157 - 167)



Row 22 (168 - 175)



Row 23 (175 - 181)



Row 24 (182 - 187)



Row 25 (187 - 195)



Row 26 (196 - 198)



Row 27 (198 - 206)



Row 28 (207 - 214)



Row 29 (214 - 219)



Row 30 (220 - 230)



Row 31 (231 - 236)



Row 32 (236 - 242)



Row 33 (243 - 251)



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Row 34 (251 - 255)



Row 35 (256 - 261)



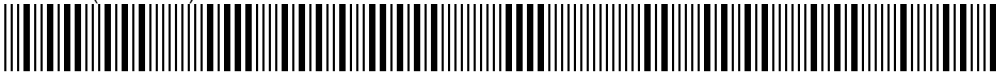
Row 36 (262 - 269)



Row 37 (269 - 273)



Row 38 (274 - 282)



Row 39 (283 - 290)



Row 40 (291 - 299)



Row 41 (299 - 307)



Row 42 (308 - 316)



Row 43 (317 - 326)



Row 44 (326 - 328)



Row 45 (328 - 330)

