

HP-41C Alpha Data Packing Program by Ray Evans  
PPC Calculator Journal Vol 9 No 2 P11 Mar 1982

```
01 LBL "AC"      ;Alpha Data Compression Program
02 >"*"          ;Append 1 asterisk
03 RCL M
04 >"****"       ;Append 3 asterisks
05 RCL M
06 RCL N
07 CLA
08 X<> d
09 CF 01
10 FS? 03
11 SF 08
12 FS?C 02
13 XEQ 04
14 SF 03
15 X<> d
16 X<> M
17 >"*"          ;Append 1 asterisk
18 X<> M
19 XEQ 01
20 X<> Z
21 XEQ 01
22 RDN
23 XEQ 01
24 RCL N
25 RTN
26 LBL 01
27 X<> d
28 FC?C 03
29 CF 01
30 CF 09
31 FS?C 02
32 XEQ 02
33 FS?C 10
34 XEQ 05
35 FS?C 11
36 SF 02
37 FS? 19
38 SF 03
39 FS? 18
40 XEQ 03
41 FS? 20
42 SF 08
43 FS? 21
44 SF 09
45 FS? 22
46 SF 10
47 FS? 23
48 SF 11
49 X<> d
50 STO M
51 >"*"          ;Append 2 asterisks
52 RTN
53 LBL 04
54 SF 08
55 SF 04
56 SF 05
57 RTN
58 LBL 02
59 SF 01
60 SF 04
61 SF 05
62 RTN
63 LBL 03
64 SF 08
65 SF 09
66 SF 03
67 RTN
```

68 LBL 05  
69 SF 12  
70 SF 13  
71 SF 02  
72 END

0097C000F3004143F27F2A9075F47F2A2A2A9075907687CE7E  
A901AC03A808AA02E00004A803CE7ECE75F27F2ACE75E00001  
CE71E0000175E0000190768502CE7EAB03A901A909AA02E000  
02AA0AE00005AA0BA802AC13A803AC12E00003AC14A808AC15  
A809AC16A80AAC17A80BCE7E9175F37F2A2A8505A808A804A8  
058503A801A804A8058504A808A809A8038506A80CA80DA802  
C0000DBA

151 BYTES

## HP-41C Alpha Data Packing by Ray Evans PPC V9 N2 P11 Mar 1982

Program Registers Needed: 22

Row 1 (1 - 4)



Row 2 (4 - 10)



Row 3 (10 - 16)



Row 4 (16 - 21)



Row 5 (21 - 28)



Row 6 (29 - 34)



Row 7 (34 - 40)



Row 8 (40 - 46)



Row 9 (47 - 52)



Row 10 (53 - 60)



Row 11 (61 - 69)



Row 12 (69 - 72)



```
01 LBL "AE"      ;Alpha Data Decompression Program
02 SF 00
03 SF 12
04 SF 14
05 SF 15
06 CLA
07 STO M
08 ASTO M
09 ASTO M
10 >"\00\00"    ;Append 2 nulls
11 X<> M
12 X<> d
13 CF 03
14 X<> d
15 FS? IND X
16 SF 16
17 CLX
18 STO N
19 >"\00\00\00" ;Append 3 nulls
20 X<> M
21 >"\00"        ;Append 1 null
22 X<> M
23 >"\00\00"     ;Append 2 nulls
24 X<> M
25 >"\00"        ;Append 1 null
26 RCL N
27 CLA
28 X<> d
29 CF 03
30 SF 01
31 FS?C 08
32 SF 03
33 X<> d
34 X<> M
35 FS?C 16
36 XEQ 02
37 >"\00"        ;Append 1 null
38 X<> M
39 XEQ 01
40 X<> M
41 XEQ 01
42 RDN
43 XEQ 01
44 X<> O
45 X<> N
46 X<> M
47 RTN
48 LBL 01
49 X<> d
50 FS?C 08
51 SF 20
52 FS?C 09
53 SF 21
54 FS?C 10
55 SF 22
56 FS?C 11
57 SF 23
58 SF 09
59 SF 17
60 FS?C 03
61 SF 19
62 FS?C 02
63 SF 11
64 FS? 01
65 SF 03
66 SF 01
67 X<> d
```

```

68 X<> M
69 FS? IND M
70 XEQ 02
71 >"\00" ;Append 1 null
72 FS? IND M
73 XEQ 02
74 >"\00" ;Append 1 null
75 FS? IND M
76 XEQ 02
77 >"\00" ;Append 1 null
78 RTN
79 LBL 06
80 FC?C 03
81 GTO 03
82 CF 01
83 SF 02
84 FS? 06
85 GTO 03
86 CF 04
87 CF 05
88 GTO 03
89 LBL 02
90 X<> M
91 X<> d
92 FS? 04
93 GTO 06
94 FC? 03
95 CF 01
96 LBL 03
97 X<> d
98 X<> M
99 END

```

```

00D5C000F3004145A800A80CA80EA80F8791759A759A75F37F
0000CE75CE7EA903CE7EACF3A810779176F47F000000CE75F2
7F00CE75F37F0000CE75F27F00907687CE7EA903A801AA08A8
03CE7ECE75AA10E00002F27F00CE75E00001CE75E0000175E0
0001CE77CE76CE758502CE7EAA08A814AA09A815AA0AA816AA
0BA817A809A811AA03A813AA02A80BAC01A803A801CE7ECE75
ACF5E00002F27F00ACF5E00002F27F00ACF5E00002F27F0085
07AB03B400A901A802AC06B400A904A905B40003CE75CE7EAC
04B700AD03A90104CE7ECE75C0000D0F

```

213 BYTES

## HP-41C Alpha Data Unpacking by Ray Evans PPC V9 N2 P11 Mar 1982

Program Registers Needed: 31

Row 1 (1 - 5)



Row 2 (5 - 11)

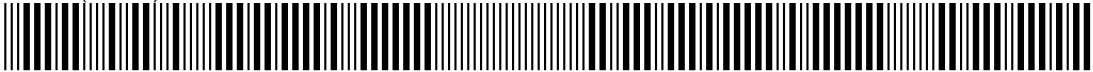


Row 3 (11 - 18)



# HP-41C Alpha Data Unpacking by Ray Evans PPC V9 N2 P11 Mar 1982

Row 4 (18 - 22)



Row 5 (23 - 28)



Row 6 (28 - 34)



Row 7 (35 - 39)



Row 8 (40 - 45)



Row 9 (46 - 53)



Row 10 (53 - 59)



Row 11 (60 - 66)



Row 12 (66 - 71)



Row 13 (72 - 76)



Row 14 (77 - 83)



Row 15 (84 - 90)



Row 16 (91 - 97)



Row 17 (98 - 99)

