

HP-41C Save and Get Key Assignments by Clifford Stern  
PPC Calculator Journal Volume 9 No 7 P41 Oct-Nov 1982  
Requires PPC ROM and Extended Functions/Memory module

```
01 LBL "SVK" ;Save Key Assignments w/o alarms present
02 XROM 10,10 ;A? - PPC ROM Assignment Register Finder
03 XEQ 02
04 .5
05 +
06 XROM 25,11 ;CRFLD
07 E
08 -
09 STO M
10 176
11 +
12 STO N
13 LASTX
14 X<>Y
15 E3
16 /
17 +
18 X<>Y
19 X<> c
20 X<>Y
21 XROM 25,40 ;SAVERX
22 RCL M
23 XROM 25,42 ;SEEKPT
24 X<> N
25 RCL IND X
26 XEQ 01
27 STO IND Y
28 CLX
29 XROM 25,42 ;SEEKPT
30 X<> IND Z
31 XEQ 01
32 STO IND Z
33 R^
34 STO c
35 RTN
36 LBL 01
37 "\F0" ;F0 hex
38 X<> M
39 ">" ;Append 1 asterisk
40 STO N
41 ARCL c
42 X<> N
43 XROM 25,41 ;SAVEX
44 RTN
45 LBL "GTK" ;Get Key Assignments without alarms
46 XROM 25,44 ;SIZE?
47 ENTER
48 XEQ 02
49 XROM 25,15 ;FLSIZE
50 -
51 XROM 10,62 ;E? - PPC ROM End Finder
52 192
53 -
54 +
55 X<0?
56 SQRT
57 X<Y?
58 XROM 25,30 ;PSIZE
59 "\01\69\0C\02\00" ;01690C0200 hex
60 CLST
61 X<> M
62 X<> c
63 X<>Y
64 DSE L
65 STO IND L
66 X<> L
```

```

67 X#0?
68 XROM 25,09 ;CLKEYS
69 XROM 25,19 ;GETR
70 X<>Y
71 STO c
72 "Z"
73 XROM 25,18 ;GETP
74 RTN
75 LBL 02
76 "FL NAME?"
77 AON
78 TONE 8
79 PROMPT
80 AOFF
81 CF 25
82 END

```

```

00A2C000F40053564BA28AE000021A1540A64B1B4191751117
1640917676711B13434071CE7D71A6689075A66ACE7690F3E0
000191F277A66ACEF1E0000191F174917D8502F1F0CE75F27F
2A91769B7DCE76A66985C000F40047544BA66C83E00002A64F
41A2BE1119124140665244A65EF501690C020073CE75CE7D71
977491F4CE7463A649A65371917DF15AA6528503F8464C204E
414D453F8C9F088E8BA919C0000DA9

```

162 BYTES

HP-41C Save Key Assignments with Alarms by Clifford Stern  
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 Program uses PPC ROM and Extended Functions Memory module

```

01 LBL "SKA" ;Save Key Assignments with Alarms Present
02 RCL M
03 XROM 10,58 ;OM - PPC ROM Open Memory
04 XROM 10,62 ;E? - PPC ROM End Finder
05 17
06 -
07 E3
08 /
09 176
10 +
11 SIGN
12 "\10" ;10 hex
13 X<> M
14 LBL 01
15 "\F0" ;F0 hex
16 RCL IND L
17 X<> M
18 >"\AA" ;Append AA hex
19 X<> N
20 X#Y?
21 GTO 02
22 ARCL c
23 X<> N
24 STO IND L
25 RDN
26 ISG L
27 GTO 01
28 ENTER
29 GTO 03
30 LBL 02
31 ARCL IND L
32 X=0?
33 CLA
34 X<> M
35 STO IND L
36 LBL 03
37 R^
38 CLA
39 STO M

```

```

40 R^
41 X<> c
42 LASTX
43 176
44 STO T
45 -
46 CF 25
47 XROM 25,11 ;CRFLD
48 STO M
49 X<>Y
50 X<> c
51 RDN
52 DSE Y
53 +
54 STO N
55 E3
56 /
57 +
58 XROM 25,40 ;SAVERX
59 RCL M
60 E
61 -
62 XROM 25,42 ;SEEKPT
63 X<> N
64 RCL IND X
65 XEQ 04
66 STO IND Y
67 CLX
68 XROM 25,42 ;SEEKPT
69 X<> IND Z
70 XEQ 04
71 STO IND Z
72 R^
73 STO c
74 RTN
75 LBL 04
76 "\F0" ;F0 hex
77 X<> M
78 ">" ;Append 1 asterisk
79 STO N
80 ARCL c
81 X<> N
82 XROM 25,41 ;SAVEX
83 END

```

```

0096C000F400534B419075A2BAA2BE1117411B134311171640
7AF110CE7502F1F090F4CE75F27FAACE7679B3009B7DCE7691
F4759674B20083B400039BF46787CE7591F4047487917574CE
7D76111716917041A919A64B917571CE7D7597724091761B13
4340A66890751B41A66ACE7690F3E0000491F277A66ACEF1E0
000491F174917D8505F1F0CE75F27F2A91769B7DCE76A669C0
000DCE

```

150 BYTES

HP-41C Get Key Assignments with Alarms by Clifford Stern  
 PPC Calculator Journal Vol 9 Number 7 Pg 41 Oct-Nov 1982  
 Program uses PPC ROM & Extended Functions Memory module.

```

01 LBL 01 ;Start Get Key Assignments Program
02 LASTX
03 STO c
04 LBL 02
05 XROM 25,44 ;SIZE?
06 E
07 -
08 XROM 25,30 ;PSIZE
09 LBL "GKA" ;Get Key Assignments with Alarms Present
10 CF 25
11 XROM 25,15 ;FLSIZE

```

```

12 E
13 -
14 XROM 10,62 ;E? - PPC ROM End Finder
15 193
16 -
17 X<0?
18 GTO 02
19 "\01\69\0C\02\00" ;01690C0200 hex
20 RCL M
21 X<> c
22 SIGN
23 CLA
24 ASTO X
25 .
26 X<> IND Z
27 X=Y?
28 GTO 01
29 XROM 25,09 ;CLKEYS
30 R^
31 R^
32 RCL 00
33 STO M
34 XROM 25,07 ;ATOX
35 RDN
36 XROM 25,07 ;ATOX
37 STO Y
38 "\F0\00\00\00\00\00\AA" ;F0 hex, 6 nulls, AA hex
39 ARCL 00
40 X<> M
41 STO 00
42 X<> L
43 X<> c
44 X<> T
45 +
46 STO O
47 LASTX
48 RDN
49 -
50 XROM 25,44 ;SIZE?
51 +
52 LASTX
53 X<>Y
54 X<0?
55 SQRT
56 X<Y?
57 XROM 25,30 ;PSIZE
58 SIGN
59 R^
60 +
61 R^
62 X<> c
63 X<>Y
64 E3
65 /
66 RCL M
67 LASTX
68 X^2
69 /
70 X#0?
71 +
72 XROM 25,35 ;REGMOVE
73 X<> N
74 STO IND O
75 CLA
76 XROM 25,19 ;GETR
77 R^
78 STO c
79 "Z"
80 XROM 25,18 ;GETP
81 END ;139 BYTES

```

008B0276917D03A66C1B41A65EC000F400474B41A919A64F1B  
41A2BE1119134166B300F501690C02009075CE7D7A879A731A  
CEF178B200A6497474209175A64775A6479172F8F000000000  
0000AA9B00CE7530CE74CE7DCE70409177767541A66C407671  
665244A65E7A744074CE7D711B134390757651436340A663CE  
7691F787A65374917DF15AA652C0000DB4

## HP-41C Save/Get Keys by Clifford Stern PPC V9 N7 P41 Oct-Nov 1982

Program Registers Needed: 24

Row 1 (1 - 4)



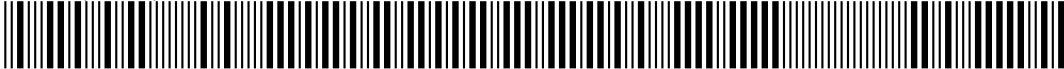
Row 2 (4 - 12)



Row 3 (12 - 21)



Row 4 (22 - 27)



Row 5 (28 - 34)



Row 6 (35 - 41)



Row 7 (42 - 46)



Row 8 (46 - 52)



Row 9 (53 - 59)



Row 10 (60 - 67)



Row 11 (68 - 75)



Row 12 (76 - 79)



Row 13 (80 - 82)



# HP-41C Save Keys w/Alarms by Clifford Stern PPC V9 N7 P41 Oct-Nov 1982

Program Registers Needed: 22

Row 1 (1 - 4)



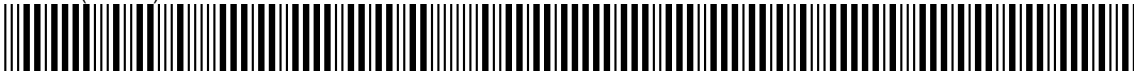
Row 2 (5 - 12)



Row 3 (13 - 19)



Row 4 (19 - 26)



Row 5 (27 - 35)



Row 6 (35 - 43)



Row 7 (44 - 51)



Row 8 (52 - 59)



Row 9 (60 - 66)



Row 10 (67 - 73)



Row 11 (74 - 80)



Row 12 (81 - 83)



# HP-41C Get Keys w/Alarms by Clifford Stern PPC V9 N7 P41 Oct-Nov 1982

Program Registers Needed: 20

Row 1 (1 - 9)



Row 2 (9 - 14)



Row 3 (15 - 19)



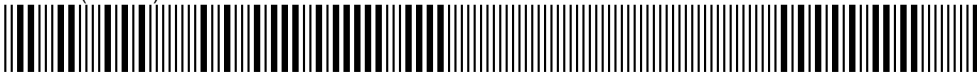
Row 4 (20 - 28)



Row 5 (28 - 36)



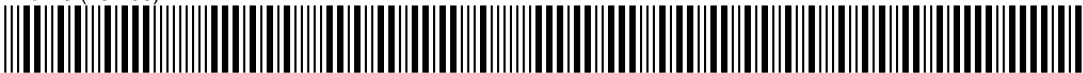
Row 6 (37 - 39)



Row 7 (40 - 47)



Row 8 (48 - 58)



Row 9 (59 - 68)



Row 10 (69 - 77)



Row 11 (78 - 81)

