

HP-41C Save & Recall Alarms by Clifford Stern
PPC Calculator Journal V9 N4 P17 May-Jul 1982
Program uses PPC ROM & Extended Functions/Mem

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01 LBL "SA" ;Save Alarms
02 XROM 10,58 ;OM - Open Memory from PPC ROM
03 176
04 LBL 01
05 RCL IND X
06 STO M
07 CLX
08 XROM 25,07 ;ATOX - Alpha to X Reg. from EF/M
09 16
10 X#Y?
11 GTO 02
12 /
13 +
14 GTO 01
15 LBL 02
16 RDN
17 X<>Y
18 STO Y
19 XROM 25,07 ;ATOX - Alpha to X Reg. from EF/M
20 X=0?
21 GTO 03
22 "ALM"
23 XROM 25,11 ;CRFLD - Create Data File from EF/M
24 DSE X
25 +
26 E3
27 /
28 +
29 XROM 25,40 ;SAVERX - Copy Mem Block to Data File from EF/M
30 XROM 20,43 ;BC - Block Clear from PPC ROM
31 LBL 03
32 R^
33 STO c
34 XROM 10,05 ;LF - Locate Free Register Block (PPC)
35 BEEP
36 RTN
37 LBL "RA" ;Recall Alarms
38 XROM 10,04 ;F? - Free Register Finder (PPC)
39 INT
40 XROM 10,62 ;E? - End Finder from PPC ROM
41 X<>Y
42 -
43 SIZE?
44 ENTER
45 "ALM"
46 LASTX
47 +
48 XROM 25,15 ;FLSIZE - Number of Regs. in a File from EF/M
49 -
50 X<0?
51 SQRT
52 X<Y?
53 XROM 25,30 ;PSIZE - Set # of Data Regs. from EF/M
54 R^
55 XROM 10,33 ;CX - Curtain to Abs. Decimal Loc. in X (PPC)
56 XROM 25,19 ;GETR - Data File to Main Memory from EF/M
57 R^
58 XROM 25,15 ;FLSIZE - Number of Regs. in a File from EF/M
59 "\F0" ;F0 hex
60 RCL M
61 "\AA" ;AA hex
62 STO N
63 ARCL 00
64 RCL M
65 STO 00
66 X<> N
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67 DSE Z
68 STO IND Z
69 R^
70 STO c
71 "ALM"
72 XROM 25,31 ;PURFL - Remove File Named in Alpha from EF/M
73 BEEP
74 END

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0085C000F3005341A2BA1117160290F3917577A647111679B3
004340B2000375719172A64767B400F3414C4DA64B9773401B
134340A668A52B0474917DA2858685C000F3005241A28468A2
BE7141A66C83F3414C4D7640A64F41665244A65E74A2A1A653
74A64FF1F09075F1AA91769B00907530CE76977191F174917D
F3414C4DA65F86C0000D3A

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133 BYTES

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Program Registers Needed: 19

Row 1 (1 - 5)



Row 2 (5 - 13)



Row 3 (14 - 22)



Row 4 (22 - 29)



Row 5 (29 - 37)



Row 6 (37 - 43)



Row 7 (44 - 52)



Row 8 (53 - 60)



Row 9 (60 - 67)



Row 10 (67 - 73)



Row 11 (74)

