

01 LBL "KA" ;Improved Synthetic Key Assignments

02 FIX 0

03 "PAIRS?"

04 PROMPT

05 1

06 -

07 1 E3

08 /

09 STO 02

10 CLX

11 STO 04

12 XEQ B

13 1

14 XEQ A

15 105

16 XEQ A

17 12

18 XEQ A

19 0

20 XEQ A

21 191

22 XEQ A

23 ASTO 05

24 LBL 06

25 XEQ B

26 240

27 XEQ A

28 XEQ 07

29 XEQ 07

30 RCL 02

31 RCL M

32 RCL c

33 RCL 05

34 STO c

35 X<> Z

36 STO IND T

37 RDN

38 STO c

39 ISG 02

40 GTO 06

41 CLX

42 BEEP

43 RTN

44 LBL C

45 "WSTS"

46 AVIEW

47 PSE

48 XROM 30,10 ;WSTS

49 RTN

50 LBL 07

51 ISG 04

52 "" ;F0=null string (NOP)

53 "KEY "

54 ARCL 04

55 TONE 9

56 PROMPT

57 STO 01

58 RDN

59 STO 03

60 RDN

61 XEQ A

62 -24

63 X<> 03

64 XEQ A

65 10

66 ST/ 01

67 RCL 01

```
68 ABS
69 INT
70 LASTX
71 FRC
72 ST* Z
73 .1
74 -
75 X=0?
76 GTO 05
77 RDN
78 4
79 X=Y?
80 ISG Z
81 LBL 05
82 RDN
83 STO Z
84 X<>Y
85 8
86 X<>Y
87 ST* Y
88 RDN
89 +
90 CHS
91 44
92 +
93 ST+ 03
94 30
95 X>Y?
96 SF 00
97 RDN
98 DSE Z
99 "" ;F0=null string (NOP)
100 X<> 01
101 X<0?
102 GTO 01
103 RCL R
104 XEQ 03
105 STO R
106 GTO 08
107 LBL 01
108 8
109 ST+ Z
110 RDN
111 RCL e
112 XEQ 03
113 STO e
114 LBL 08
115 RDN
116 RDN
117 X<>Y
118 16
119 *
120 +
121 LBL A
122 16
123 X<>Y
124 0
125 X<> d
126 X<>Y
127 SF 03
128 LBL 04
129 2
130 /
131 FRC
132 DSE Z
133 X#0?
134 SF IND Z
135 X<> L
136 INT
137 X#0?
```

```

138 GTO 04
139 X<>Y
140 X<> d
141 "*****" ;5 asterisks
142 ARCL X
143 ASTO X
144 "*" ;1 asterisk
145 ARCL X
146 ASHF
147 ASTO X
148 CLA
149 ASTO Y
150 ARCL 00
151 ARCL X
152 ASTO 00
153 X#Y?
154 RTN
155 RCL M
156 STO N
157 ">*" ;Append 1 asterisk
158 RCL N
159 CLA
160 STO M
161 ASTO 00
162 RTN
163 LBL 03
164 FS?C 00
165 GTO 09
166 CLA
167 X<> N
168 ">****" ;Append 3 asterisks
169 X<> N
170 X<> d
171 SF IND 03
172 X<> d
173 X<> N
174 ">*****" ;Append 4 asterisks
175 X<> O
176 RTN
177 LBL 09
178 X<> d
179 SF IND 01
180 X<> d
181 RTN
182 LBL B
183 CLA
184 ASTO 00
185 END

```

```

0150C000F3004B419C00F650414952533F8E1141111B134332
7734E0006711E00066111015E000661112E0006610E0006611
1911E000669A0507E00067121410E00066E00007E000072290
75907D25917DCE7191F075917D9602B700778685CF68F45753
54537E89A78A85089604F0F44B4559209B049F098E31753375
E000661C1214CE03E0006611109501216168766994711A1141
67B60075147896710675917171187194727540541414409203
131045A800759771F0CE0166B200907AE00003917AB9000218
927175907FE00003917F0975757111164240CF6611167110CE
7E71A80305124369977163A8F1CE746863B50071CE7EF52A2A
2A2A2A9B739A73F12A9B73889A73879A729B009B739A007985
90759176F27F2A90768791759A008504AA00BA0087CE76F47F
2A2A2ACE76CE7EA883CE7ECE76F57F2A2A2A2ACE77850ACE7E
A881CE7E85CF67879A00C0000D25

```

336 BYTES

# HP-41C Improved Synth. Keys by Tom Cadwallader PPC V7 N3 P3 April 1980

Program Registers Needed: 48

Row 1 (1 - 3)



Row 2 (3 - 12)



Row 3 (12 - 17)



Row 4 (17 - 22)



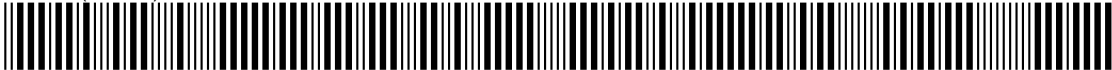
Row 5 (22 - 27)



Row 6 (28 - 34)



Row 7 (34 - 41)



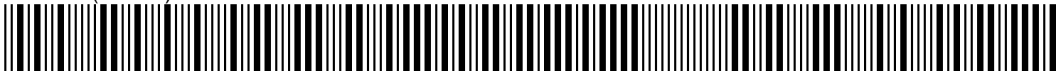
Row 8 (42 - 48)



Row 9 (49 - 55)



Row 10 (55 - 63)



Row 11 (63 - 71)



Row 12 (72 - 80)



Row 13 (81 - 91)



Row 14 (91 - 99)



Row 15 (100 - 106)



Row 16 (106 - 113)



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Row 17 (114 - 123)



Row 18 (124 - 133)



Row 19 (134 - 141)



Row 20 (141 - 146)



Row 21 (147 - 154)



Row 22 (155 - 161)



Row 23 (161 - 168)



Row 24 (168 - 174)



Row 25 (174 - 179)



Row 26 (180 - 185)

