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CABE:C8      26      INY      ;make BNE for return
CABF:60      27      RTS
CA90:        28      *
CA90:        29      *****
CA90:        30      * NAME      : TESTCARD
CA90:        31      * FUNCTION: SEE IF 80COL CARD PLUGGED IN
CA90:        32      * INPUT      : NONE
CA90:        33      * OUTPUT      : 'BEQ' IF CARD AVAILABLE
CA90:        34      *          : 'BNE' IF NOT
CA90:        35      * VOLATILE: AC,Y
CA90:        36      *****
CA90:        37      *
CA90:        38      TESTCARD EQU *
CA90:AD 1C C0 39      LDA RDPAGE2 ;REMEMBER CURRENT VIDEO DISPLAY
CA93:0A      40      ASL A ; IN THE CARRY
CA94:A9 88   41      LDA #588 ;USEFUL CHAR FOR TESTING
CA96:2C 18 C0 42      BIT RD80COL ;REMEMBER VIDEO MODE IN 'N'
CA99:8D 01 C0 43      STA SET80COL ;ENABLE 80COL STORE
CA9C:08      44      PHP ;SAVE 'N' AND 'C' FLAGS
CA9D:8D 55 C0 45      STA TXTPAGE2 ;SET PAGE2
CAAA:AC 00 04 46      LDY $0400 ;GET FIRST CHAR
CAA3:8D 00 04 47      STA $0400 ;SET TO A '*'
CAA6:AD 00 04 48      LDA $0400 ;GET IT BACK FROM RAM
CAA9:8C 00 04 49      STY $0400 ;RESTORE ORIG CHAR
CAAC:28      50      PLP ;RESTORE 'N' AND 'C' FLAGS
CAAD:B0 03 CAB2 51      BCS STAY2 ;STAY IN PAGE2
CAAF:8D 54 C0 52      STA TXTPAGE1 ;RESTORE PAGE1
CAB2: CAB2 53      EQU *
CAB2:30 03 CAB7 54      BMI STAY80 ;=>STAY IN 80COL MODE
CAB4:8D 00 C0 55      STA CLR80COL ;TURN OFF 80COL STORE
CAB7: CAB7 56      STAY80 EQU *
CAB7:C9 88   57      CMP #588 ;WAS CHAR VALID?
CAB9:60      58      RTS ;RETURN RESULT AS BEQ/BNE
CABA:        59      *
CABA:        60      * Do the
normal monitor ROM BASCALC
CABA:        61      *
CABA: CAB2 62      BASCALC EQU *
CABA:48      63      PHA
CABB:4A      64      LSR A
CABC:29 03   65      AND #503
CABE:09 04   66      ORA #504
CAC0:85 29   67      STA BASH
CAC2:68      68      PLA
CAC3:29 18   69      AND #518
CAC5:90 02   70      BCC BSCLC2
CAC7:69 7F   71      ADC #57F
CAC9:85 28   72      BSCLC2 STA BASL
CACB:0A      73      ASL A
CACC:0A      74      ASL A
CACD:05 28   75      ORA BASL
CACF:85 28   76      STA BASL
CAD1:60      77      RTS
CAD2:        78      *

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CAD2:        79      *****
CAD2:        80      * NAME      : CTLCHAR
CAD2:        81      * FUNCTION: Execute CTL char if M.CTL=0
CAD2:        82      * INPUT      : AC=CHAR
CAD2:        83      * OUTPUT      : 'BCS' if not executed
CAD2:        84      *          : 'BCC' if executed
CAD2:        85      * VOLATILE: NOTHING
CAD2:        86      * CALLS      : MANY THINGS
CAD2:        87      *****
CAD2:        88      *
CAD2:2C 06 CB 89      CTLCHAR BIT SEVI ;set V (use M.CTL)
CAD5:50 FE CAD5 90      BVC * ;skip CLC
CAD6: CAD6 91      ORG *-1
CAD6:        92      *
CAD6:        93      *****
CAD6:        94      * NAME      : CTLCHAR
CAD6:        95      * FUNCTION: Always execute CTL char
CAD6:        96      * INPUT      : AC=CHAR
CAD6:        97      * OUTPUT      : 'BCS' if not executed
CAD6:        98      *          : 'BCC' if ctl executed
CAD6:        99      * VOLATILE: NOTHING
CAD6:        100     * CALLS      : MANY THINGS
CAD6:        101     *****
CAD6:        102     *
CAD6:B8      103     CTLCHAR CLV ;clear V (ignore M.CTL)
CAD7:8D 7B 07 104     STA TEMPI ;TEMP SAVE OF CHAR
CADA:48      105     PHA ;SAVE AC
CADB:98      106     TYA ;SAVE Y
CADC:48      107     PHA
CADD:        108     *
CADD:AC 7B 07 109     LDY TEMPI ;GET CHAR IN QUESTION
CAE0:CO 05   110     CPY #505 ;IS IT NUL..EOT?
CAE2:90 13 CAF7 111     BCC CTLCHARK ;=>YES, NOT USED
CAE4:B9 B4 CB 112     LDA CTLADH-5,Y ;Get high byte of address
CAE7:F0 0E CAF7 113     BEQ CTLCHARK ;=>ctl not implemented
CAE9:50 12 CAFD 114     BVC CTLG00 ;=> CTLCHAR: always execute
CAEB:        115     *
CAEB: 0000 116     DO TEST
S 117     BPL CTLG00 ;=>CR,BEL,LF,BS always done
CAEB:        118     ELSE
CAEB:30 10 CAFD 119     BMI CTLG00 ;=>CR,BEL,LF,BS always done
CAED:        120     FIN
CAED:        121     *
CAED:8D 7B 07 122     STA TEMPI ;save high byte of address
CAFO:AD FB 04 123     LDA MODE ;if control chars
CAF3:29 28   124     AND #M.CTL+M.CTL2 ;are enabled
CAF5:F0 03 CAFA 125     BEQ CTLG0 ;=>then go do them
CAF7:        126     *
CAF7: ? CAF7 127     CTLCHARK EQU *
CAF7:38      128     SEC ;SAY 'NOT CTL'
CAF8:80 09 CB03 129     BCS CTLRET ;=>DONE
CAFA:        130     *
CAFA:AD 7B 07 131     CTLG0 LDA TEMPI ;get address back
CAFD: CAFD 132     CTLG00 EQU *

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