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CAFD:      0000 133      DO TEST
S          134      AND #57F      ;for test, hi bit clear
CAFD:      135      ELSE
CAFD:09 80  136      ORA #580      ;hi bit always set
CAFF:      137      FIN
CAFF:20 07 CB 138      JSR CTLXFER ;EXECUTE SUBROUTINE
CB02:      139      *
CB02:18    140      CLC          ;SAY 'CTL CHAR EXECUTED'
CB03:      CB03 141      CTLRET EQU *
CB03:68    142      PLA          ;RESTORE
CB04:A8    143      TAY          ; Y
CB05:68    144      PLA          ; AND AC
CB06:60    145      SEVI RTS
CB07:      146      *
CB07:      CB07 147      CTLXFER EQU *
CB07:48    148      PHA          ;PUSH ONTO STACK FOR
CB08:B9 99 CB 149      LDA CTLADL-5,Y ; TRANSFER TRICK
CB08:48    150      PHA
CB0C:60    151      RTS          ;XFER TO ROUTINE
CB0D:      152      *
CB0D:      153      * Turn cursor on for Pascal only
CB0D:      154      *
CB0D:AD FB 04 155      X.CUR.ON LDA MODE ;get mode byte
CB10:10 05 CB17 156      BPL CURON.X ;=>not pascal, don't do it
CB12:29 EF 157      AND #255-M.CURSOR ;clear cursor bit
CB14:8D FB 04 158      SAVCUR STA MODE ;save it
CB17:60    159      CURON.X RTS ;and exit
CB18:      160      *
CB18:      161      * Turn cursor off for Pascal only.
CB18:      162      * Cursor is not displayed during call.
CB18:      163      *
CB18:AD FB 04 164      X.CUR.OFF LDA MODE ;get mode byte
CB18:10 FA CB17 165      BPL CURON.X ;=>not pascal, don't do it
CB1D:09 10 166      ORA #M.CURSOR ;turn on cursor bit
CB1F:DO F3 CB14 167      BNE SAVCUR ;save and exit
CB21:      168      *
CB21:      169      * EXECUTE BELL:
CB21:      170      *
CB21:      CB21 171      X.BELL EQU *
CB21:A9 40 172      LDA #540      ;RIPPED OFF FROM MONITOR
CB23:20 34 CB 173      JSR WAIT
CB26:A0 C0 174      LDY #5C0
CB28:A9 0C 175      BELL2 LDA #50C
CB2A:20 34 CB 176      JSR WAIT
CB2D:AD 30 C0 177      LDA SPKR
CB30:88    178      DEY
CB31:DO F5 CB28 179      BNE BELL2
CB33:60    180      RTS
CB34:      181      *
CB34:      CB34 182      WAIT EQU * ;RIPPED OFF FROM MONITOR ROM
CB34:38    183      SEC
CB35:48    184      WAIT2 PHA
CB36:E9 01 185      WAIT3 SBC #1
CB38:DO FC CB36 186      BNE WAIT3

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CB3A:68    187      PLA
CB3B:E9 01 188      SBC #1
CB3D:DO F6 CB35 189      BNE WAIT2
CB3F:60    190      RTS
CB40:      191      *
CB40:      192      * EXECUTE BACKSPACE:
CB40:      193      *
CB40:      CB40 194      X.BS EQU *
CB40:CE 7B 05 195      DEC OURCH ;BACK UP CH
CB43:10 0B CB50 196      BPL BSDONE ;=>DONE
CB45:A5 21 197      LDA WNDWDTH ;BACK UP TO PRIOR LINE
CB47:8D 7B 05 198      STA OURCH ;SET CH
CB4A:CE 7B 05 199      DEC OURCH
CB4D:20 79 CB 200      JSR X.US ;NOW DO REV LINEFEED
CB50:      CB50 201      BSDONE EQU *
CB50:60    202      RTS
CB51:      203      *
CB51:      204      * EXECUTE CARRIAGE RETURN:
CB51:      205      *
CB51:      CB51 206      X.CR EQU *
CB51:A9 00 207      LDA #0 ;BACK UP CH TO
CB53:8D 7B 05 208      STA OURCH ; BEGINNING OF LINE
CB56:AD FB 04 209      LDA MODE ;ARE WE IN BASIC?
CB59:30 03 CB5E 210      BMI X.CRRET ;=> Pascal, avoid auto LF
CB5B:20 D8 CB 211      JSR X.LF ;EXECUTE AUTO LF FOR BASIC
CB5E:      CB5E 212      X.CRRET EQU *
CB5E:60    213      RTS
CB5F:      214      *
CB5F:      215      * EXECUTE HOME:
CB5F:      216      *
CB5F:      CB5F 217      X.EM EQU *
CB5F:A5 22 218      LDA WNDTOP
CB61:85 25 219      STA CV
CB63:A9 00 220      LDA #0
CB65:8D 7B 05 221      STA OURCH ;STUFF CH
CB68:4C FE CD 222      JMP VTAB ;set base for OURCV
CB6B:      223      *
CB6B:      224      * EXECUTE FORWARD SPACE:
CB6B:      225      *
CB6B:      CB6B 226      X.FS EQU *
CB6B:EE 7B 05 227      INC OURCH ;BUMP CH
CB6E:AD 7B 05 228      LDA OURCH ;GET THE POSITION
CB71:C5 21 229      CMP WNDWDTH ;OFF THE RIGHT SIDE?
CB73:90 03 CB78 230      BCC X.FSRET ;=>NO, GOOD
CB75:20 51 CB 231      JSR X.CR ;=>YES, WRAP AROUND
CB78:      232      *
CB78:      CB78 233      X.FSRET EQU *
CB78:60    234      RTS
CB79:      235      *
CB79:      236      * EXECUTE REVERSE LINEFEED:
CB79:      237      *
CB79:A5 22 238      X.US LDA WNDTOP ;are we at top?
CB7B:C5 25 239      CMP CV
CB7D:B0 1E CB9D 240      BCS X.USRET ;=>yes, stay there

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