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:ASM

                0900 *APPLE IIE ROM PATCH FOR BREAKING INTO DEBUGGER
                0950 *PART 2: THIS ROUTINE REPLACES THE SELF-TEST
                0960 *ROM CODE AND STARTS AT $C600.
                0961 *WHEN INVOKED THE USER CAN
                0962 *PRESS EITHER ESC OR SPC.
                0963 *ESC-GO DIRECTLY TO MONITOR
                0964 *SPC-COPY MEMORY LOCATIONS $0000-$08FF
                0965 *    TO $2000-$2FFF THEN JUMP TO MONITOR
                0966 * ANY OTHER KEY - PROCEED NORMALLY
                0970 *CALLED FROM $FECD WHEN RESET IS PRESSED
                0980 *THANKS TO THE COMPUTIST MAGAZINE (ISSUE #6)
                0981 *AND KRAKOWITZ TEXT FILES FOR THE INSPIRATION
003C-           0985 A1L     .EQ $003C     LSB ADDRESS
003D-           0986 A1H     .EQ $003D     MSB ADDRESS
003E-           0987 A2L     .EQ $003E     LSB OF ADDRESS 2
003F-           0988 A2H     .EQ $003F     MSB OF ADDRESS 2
0042-           0989 A4L     .EQ $0042     LSB OF ADDRESS 4
0043-           0990 A4H     .EQ $0043     MSB OF ADDRESS 4
FE2C-           0991 MONMOVE .EQ $FE2C     MONITOR MOVE ROUTINE
FC58-           0992 HME     .EQ $FC58     CLEARS TEXT SCREEN
FB2F-           0993 TXT     .EQ $FB2F     SELECTS TEXT SCREEN
FECD-           1001 MONEXIT .EQ $FECD     PART 3 AND TAPE WRITE SECTION
C000-           1002 KEYBD   .EQ $C000     KEYBOARD
FF03-           1003 NORMAL  .EQ $FF03     EXIT LOCATION IN PART 1
                1005         .OR $C600     LOCATE IN SELF-TEST SECTION OF MEM
                1007         .TA $800
C600- AD 00 C0  1010 START   LDA KEYBD     LOOK AT KEYBOARD
C603- F0 FB     1020         BEQ START     KEEP READING UNTIL A KEY PRESSED
C605- C9 A0     1025         CMP #$A0      WAS SPC PRESSED?
C607- F0 07     1030         BEQ CPY       YES, START MEM COPY
C609- C9 9B     1035         CMP #$9B      WAS ESC PRESSED?
C60B- F0 3C     1037         BEQ END       YES, JUMP STRAIGHT TO MONITOR
C60D- 4C 03 FF  1040         JMP NORMAL    BACK TO PART 1 FOR PASSTHROUGH
C610- 8D 02 29  1042 CPY     STA $2902     SAVE REGISTERS
C613- 8E 03 29  1043         STX $2903
C616- 8C 04 29  1044         STY $2904
C619- BA        1050         TSX
C61A- 8E 01 29  1060         STX $2901
C61D- A0 00     1062         LDY #0        START WITH BYTE 0
C61F- B9 00 00  1064 SAVE1   LDA 0,Y       GET A ZERO PAGE BYTE
C622- 99 00 20  1066         STA $2000,Y   SAVE IT
C625- B9 00 01  1090         LDA $100,Y    GET A STACK BYTE
C628- 99 00 21  1100         STA $2100,Y   SAVE IT
C62B- C8        1110         INY
C62C- D0 F1     1120         BNE SAVE1     IF NOT DONE, MOVE ANOTHER BYTE
C62E- 84 3C     1125         STY A1L       MSB FROM ADDRESS IS 0
C630- 84 42     1130         STY A4L       MSB OF THE TO ADDRESS IS 0
C632- 84 3E     1135         STY A2L       MOVE CODE THROUGH $900
C634- A9 09     1140         LDA #9
C636- 85 3F     1145         STA A2H
C638- A9 02     1150         LDA #2        MOVE CODE STARTING AT $200
C63A- 85 3D     1155         STA A1H
C63C- A9 22     1160         LDA #$22      MOVE CODE INTO PAGE 22
C63E- 85 43     1165         STA A4H
C640- 20 2C FE  1170         JSR MONMOVE
C643- 20 2F FB  1175         JSR TXT
C646- 20 58 FC  1180         JSR HME
C649- 4C CD FE  1220 END     JMP MONEXIT   JUMP TO PART 3 AND EXIT TO MON
                1230         .EN


SYMBOL TABLE
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003D- A1H
003C- A1L
003F- A2H
003E- A2L
0043- A4H
0042- A4L
C610- CPY
C649- END
FC58- HME
C000- KEYBD
FECD- MONEXIT
FE2C- MONMOVE
FF03- NORMAL
C61F- SAVE1
C600- START
FB2F- TXT

0000 ERRORS IN ASSEMBLY
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