Applesoft: Internals--Page Zero Memory Map (1 of 2)

Revised: 11/7/84
Security: Everyone

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00-02   START   Initialize low RAM memory
03-05   RDYJSR  Jumps to STROUT
06,07   ADRAYI  Address of AYINT subroutine
08,09   ADRGAY  Address of GIVAYF subroutine
0A-0C   USRPOK  Vector for USR() function
0D      CHARAC  String delimiter
0E      ENDCHR  String delimiter
0F      COUNT   General purpose counter
10      DIMFLG  Flag to permit arrays
11      VALTYP  Variable type indicator.  0=numeric, 1=string
12      INTFLG  Variable type indicator.  1=integer, 0=real
13      GARBFL  Flag to signal the need for garbage collection
14      SUBFLG  Flag to permit array variables.
15      INPFLG  Determines if this is INPUT or READ
16      TANSGN  Used for the sign during TAN() function
1A,1B   SHAPE   High-Res shape pointer
1C      HCOLOR1 High-Res running color mask
1D      COUNTH  High-Res counter
26,27   HBAS    High-Res base address pointer
2C      H2
2D      V2
45      ERROV
50,51   LINNUM  16 bit integer work area
53,54   LASTPT  Pointer to last used string temporary
55-5D   TEMPST  Temporary string descriptor storage area
5E,5F   INDEX   General purpose index
60,61   INDEX2  General purpose index
62-66   RES     Multiply or divide result (HO,MOH,MO,LO)
67,68   TEXTAB  Pointer to start of the program text
69,6A   VARTAB  Pointer to start of simple variable space
6B,6C   ARYTAB  Pointer to start of array variable space
6D,6E   STREND  Pointer to end of storage in use
6F,70   FRETOP  Pointer to top of string free space
71,72   FRESPC  Pointer to new string
73,74   MEMSIZ  Pointer to top of memory
75,76   CURLIN  Current line number
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77,78    OLDLIN  Old line number, set up by ctrl-C, STOP, or END
79,7A    OLDTXT  Old text pointer
7B,7C    DATLIN  Line number where data for next READ comes from
7D,7E    DATPTR  Pointer to data for next READ
7F,80    INPPTR  Pointer to where input is coming from
81,82    VARNAM  Storage area for a variable's name
83,84    VARPNT  Pointer to a variable in memory
85,86    FORPNT  Variable pointer for FOR and LET
87,88    OPPTR   Pointer to current formula operation in OPTAB
89       OPMASK  Mask created by current operator
8A,8B    DEFPNT  Pointer used in function definition
8C,8D    DSCPNT  Pointer to a string descriptor
8E       TEMPF3  Temporary pointer
8F       FOUR6   Constant for garbage collection
90-92    JMPER   Internal vector
93       TEMPF1  Temporary pointer
94,95    ARRYPT  Pointer into an array
94,95    HIGHDS  Destination of highest element in BLT.
96,97    HIGHTR  Source of highest element to move in BLT.
98       TEMPF2
99,9A    LOWDS   Location of last byte transferred into in BLT.
9B,9C    LOWTR   Last thing to move in BLT.  See BLTU.
9D-9F    DSCTMP  Temporary string descriptor
9D-A2    FAC     Floating point accumulator.
                 (EXP,HO,MOH,MO,LO,SGN)
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Apple Tech Notes

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