THE
APPLE II
MONITOR
PEELED

CALLS PEEPS POKEs
BY TOPIC

ALL EXPLAINED IN ENGLISH

LOCATIONS IN HEX AND DECIMAL

by
William E. Dougherty
While writing programs for my APPLE II, I have many times had to stop constructive work to delve into the Monitor to determine (or redetermine) how to make use of a particular function or feature. Being totally unsuccessful in finding a single PEEK, POKE, CALL reference publication in the marketplace, and having delved deeply into a dozen computers in the last twenty years, I decided to put together for myself, and maybe for others, a description of the ROM contents of the APPLE II in an organization by subject instead of organization by machine address. With a lot of encouragement from my associates who have APPLEs, I decided to go beyond the organized notes I needed for my purposes and actually finish it for publication, describing functions and features for readers to whom it would be new information instead of just making up charts of addresses with a few cryptic comments to refresh my memory.

Although the listed CALL points in the Monitor are most useful to the machine language programmer, very many are also useful to BASIC or APPLESOFT programmers as well. For example, keyboard input of single strings which happen to contain commas and cassette tape input and output can be accomplished by the methods described within. While programming in Integer BASIC you may have decided that arrays of two dimensions would be a way to keep dollars and cents separate to allow quantities larger than \$327,67 to be manipulated, and then decided otherwise when faced with a multiply. This publication is the first in which I have seen documentation for the use of the 16 bit/32 bit multiply and divide routines in the (non-auto-boot) Monitor.

What is covered in this publication is the APPLE II Monitor, ROM address range F800-FFFF. I have not yet covered the utilities (Floating point arithmetic, Sweet16) or the compilers or DOS.

This is the manual I have been looking for. I hope you feel the same way.

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