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CMR COMPUTER MANUFACTURING CO.

P.O. BOX 167, 1921 DOGWOOD LANE
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That Didn't Take Long at All

In the November issue of BYTE we published Dan Fylstra's article "Son of Motorola," comparing the new MOS Technology 6501 and 6502 computers with the Motorola 6800. At the time the article was written (late August) he could not predict when a kit would be available for the MOS Technology processors.

The first MOS Technology 6502 kit is now available: Microcomputer Associates Inc., of Cupertino, California, have announced the JOLT computer kit. According to their news release, this kit combines hardware and software for small scale computing at a low cost.

Components of the JOLT include the central processor kit, a 4096 byte RAM kit, an IO interface kit, power supply kit, and miscellaneous items such as a universal prototyping card and an accessory kit.

The basic central processor card contains 512 bytes of programmable random access memory, 64 bytes of interrupt vector random access memory, and 16 fully programmable IO lines. The most important feature of the CPU card is its read only memory. This memory contains the DEMON (DEbug-MONitor) program product, a basic software element needed to run the system from the serial terminal interface, which is immediately available when you turn on the power.

Classified Ads Available for Individuals and Clubs

Readers who have equipment, software or other items to buy, sell or swap should send in a clearly typed or printed notice to that effect. The notices are free of charge and will be printed one time only on a space available basis. Insertions should be limited to no more than 100 words. Notices can be accepted from individuals or bona fide computer users' clubs only. Commercial advertisers should contact Bill Edwards, BYTE advertising manager, for the latest rate card and terms.

ALTAIR 8800, assembled, tested, and completely operational includes 1K RAM board with 256 words. Complete documentation including newsletters, quality built by electrical engineer. ONLY \$500 postpaid. D. Schreiter, 9032 Whitehaven Dr, St. Louis MO 63123.

Would very much like to buy a used memory board (or two) for a Raytheon 704 minicomputer. Rick Loomis, PO Box 1467, Scottsdale AZ 85252, (602) 994-9104 (call afternoons or late at night).

The DEMON program includes routines to display and alter registers or memory, and control terminal interface service routines. DEMON also includes a breakpoint capability useful in debugging programs, two kinds of formatted memory read and write operations for program loading and saving, a high speed 8 bit parallel input routine and several IO service routines which may be called by a user's program.

Perhaps the most unique feature of the DEMON program is its adaptable terminal interface service routine; the software senses and automatically adapts to the speed at which the terminal operates between 10 to 30 characters per second.

A minimum system built with the JOLT components can be assembled from the CPU card kit, the accessory kit, and a Teletype or RS-232 compatible terminal. With such a system, many of the basic concepts of programming can be demonstrated within the confines of a 512 byte area of user memory. Input and output operations can take advantage of the DEMON subroutines to interact with the terminal. This would make a good initial system for a person to learn the ropes of computing.

As programming sophistication increases the owner may expand the memory by purchasing additional boards.

For users who want to breadboard their own peripherals, the universal card will come in handy as a starting point for an interface construction project.

For ordering information and prices, contact Microcomputer Associates Inc., at 10440 N Tantau, Cupertino CA 95014, 408-247-8940. Delivery is 30 days after receipt of order according to their news release. ■

MICROCOMPUTER EXPERT NEEDED. I'll pay for the equipment. You put it together. We'll both use it once it's running. I'm tired of paying \$1000's to a 370/155 batch processing service. My interest is statistical analysis of large volumes of stock market-type data. I need a powerful (for a micro) system, with disk or disk-type orientation, tape capabilities, line printer, card reader (maybe), BASIC or FORTRAN compiler, telecommunication ability. Joe Schachter, 41 Amory St., Cambridge MA 02139. (617) 492-2765.

USED MICROCOMPUTER EQUIPMENT NEEDED. See ad above.

ASR-33 TELETYPE in perfect physical and operating condition; 20 mA current loop interface, w/reader power supply and pedestal — \$500. Also, Kleinschmidt drum printer with parallel ASCII, TTL-compatible interface, 30 cps in perfect operating condition, w/o dress cover — \$300. (617) 757-2037 after 6 pm. D. F. Craft, Jr.

For sale, DEC PDP8/L mini computer. The computer is 100% working and in excellent condition. Hardware: 4K core, TTY interface, Pos I/O interface, Pos I/O bus board. Software: editor, diagnostics, assembler, other misc. Price \$900. Call 617-592-2937 evenings. Peter A Balkus, Lynn MA.

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