

# What's New?

## MISCELLANEOUS

### Z8000 Business Computer

Onyx Systems Inc has introduced the Z8000 processor-based C8002 system. The C8002 supports eight users and both peripheral and communication devices; the computer supports a high-speed local network that allows many C8002s to be linked. The system combines Zilog's Z8000 16-bit microprocessor, a Winchester hard-disk drive, a cartridge tape drive, and up to 512 K bytes of programmable memory.

The Z8000 features 110 distinct instructions, eight addressing modes, and seven data types, including BCD (binary-coded decimal), string, and long word (32 bits). The main processor contains the Z8000 microprocessor, a direct memory address channel, serial and parallel I/O (input and output) ports, memory-management controller, floating-point processor, and support circuitry.

The operating system and all user programs are executed by the main processor. The mass-storage controller uses a Z80 processor and 64 K bytes of programmable memory to handle all disk and tape transactions. Bell Laboratories's UNIX timesharing operating system has been adapted for use on the C8002. This system enables users to share files, process text, and compile or execute programs written in BASIC, COBOL, FORTRAN, C, and Pascal. The C8002 is priced at \$16,000. Write or call Onyx Systems Inc, 37 E Trimble Rd, San Jose CA 95131, (408) 946-6330.

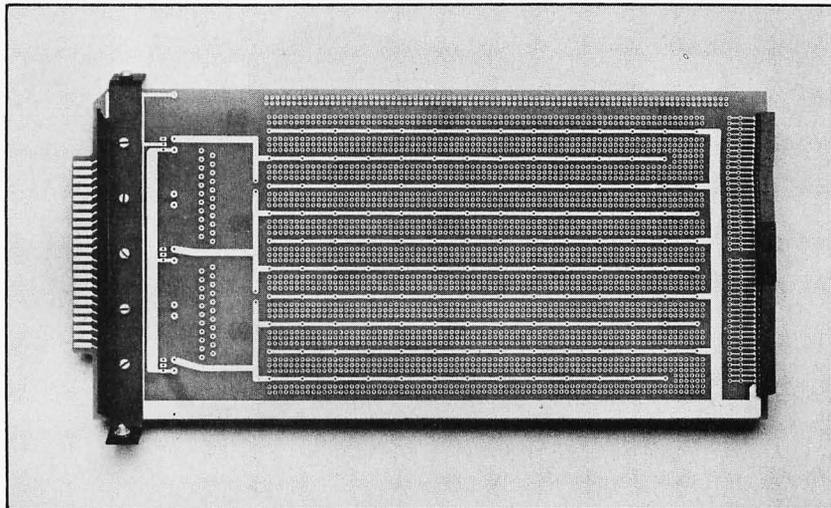
Circle 623 on inquiry card.

### Memory Board for Heathkit/Digital H-11

The CI-1103 memory board is designed for the Heathkit/Digital H-11, LSI-11/2, and PDP-11/03 computers. The new memory features an 8 K by 16 bit (dual width) board using 200 ns 4027 (4 K by 1 bit) dynamic memory devices. The CI-1103 is available with either on-board distributed refresh or external refresh control logic. Data-access time is 300 ns, and cycle time is 525 ns. On-board memory-select is available in 2 K increments up to 128 K words of memory. Power consumption is under seven watts. The 8 K by 16 board is \$390 and the 32 K by 16 board is \$750. Contact Chrislin Industries Inc, 31352 Via Colinas #102, Westlake Village CA 91361, (213) 991-2254.

Circle 624 on inquiry card.

### Prototype Board for the H-8 Bus



This prototype board will allow personal-computer users to build custom electronic interfaces for their Zenith/Heathkit H-8 personal computers. It is designed for use with a forty-four-pin edge-cable connector opposite the bus connector, or with many different Molex connectors from holes along the board top. There are locations

for 3 V to 5 V regulators, with locations for two filter capacitors, and extra holes for other voltage regulators. The price is \$46 per kit, from Mullen Computer Products, POB 6214, Hayward CA 94545, (415) 783-2866.

Circle 625 on inquiry card.

### Office Computer Under \$5000

The ALPHAsprint system includes 64 K bytes of programmable memory, a 45 K-byte display buffer, high-resolution 12-inch video display, and two double-density 5-inch floppy-disk drives capable of storing 330 K bytes of data. A Selectric II-type keyboard incorporates seventy-two character and function keys and a full numeric keypad. The optional 660-word-per-minute letter quality printer can be shared by up to three ALPHAsprints. Word-processing functions are oriented toward long document preparation. Other standard features include multispeed unlimited

bidirectional scrolling, eight cursor commands, and intercharacter right justification. Printing functions are under program control. Editing can occur in the foreground while other documents are being printed in the background. Automatic centering, boldface, underline, automatic pagination and repagination are standard. Applications software and CP/M, BASIC, FORTRAN, COBOL, and Pascal are available. The single quantity price for the ALPHAsprint is \$4990 from Alpha Professional Systems Inc, 9465 Wilshire Blvd, Suite 518, Beverly Hills CA 90212, (213) 272-3032.

Circle 626 on inquiry card.

### Direct Connect Modem for Multi- or Single-Line Phones

The D-CAT is an Federal Communications Commission (FCC) approved, Bell 103-compatible modem (modulator/demodulator) that can function on either a multi- or single-line phone. It works with a single-line phone

or fifty-pin, six-line business phones. The modem offers full-duplex capability, a voice/data monitor, a hold function, privacy button, and self-test features. The unit has a mode switch to allow the user to monitor whether voice or data is being transmitted. The D-CAT is priced at \$199 from Novation, 18664 Oxnard St, Tarzana CA 91356.

Circle 627 on inquiry card.