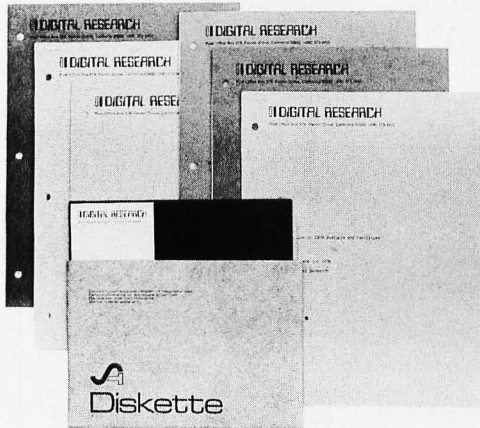


What's New?

Digital Research Offers New Microcomputer Software



CP/M is a floppy disk operating system designed for use with IBM compatible floppy disk computer systems which employ the Intel 8080 processor. Functions of this software package include named dynamic files, program editing, assembly, debugging, batch processing, and instantaneous program loading. CP/M can be adaptable to any 8080 or Z-80 computer system with at least 16 K bytes of main memory and one or two IBM compatible disk drives. Price for a complete CP/M system in object form with documentation is \$70; documentation (set of six manuals) alone is \$25. For further information, contact Digital Research, POB 579, Pacific Grove CA 93950. ■

Circle 597 on inquiry card.

Tychon Introduces New 8080 Editor/Assembler

Tychon's new co-resident editor/assembler, called TEA, is designed for use with 8080 systems and incorporates some useful features. The program resides in 5 K bytes of memory, and can accept either octal or hexadecimal values. The switch from one number base to the other can be made at any time through keyboard commands.

TEA can be relocated in memory using a built-in relocater feature. The price is \$35 for a paper tape version of TEA plus the user's manual. The program is also available loaded into 1702A or 2708 programmable read only memory integrated circuits.

For more information, write to Tychon Inc, POB 242, Blacksburg VA 24060. ■

Circle 598 on inquiry card.

BLOS and ZAPS

BLOS (rhymes with gloss) and ZAPS are two operating systems announced by Algorithmics for the 8080 and the Z-80 respectively. They are directly loadable on Digital Group systems via cassette. BLOS requires 12 K and ZAPS, 13 K of memory. ZAPS assembles all Z-80 instructions; BLOS assembles only instructions executable by the 8080. BLOS and ZAPS are identical otherwise. Programs written in the 8080 subset are transferable from one system to the other.

The text editor within BLOS and ZAPS is much like those used on time-sharing systems. Because it is a full context editor, no line numbers are required. You may edit any of up to 16 files in memory. Only the actual data bytes are stored. Editor commands include input, insert, delete, replace, change, global change, up, down, top, bottom, string search, print and print current line number.

The assemblers feature user-defined commands, switchable number bases, and a full set of cassette operations.

Contact Algorithmics Inc, POB 56, Newton Upper Falls MA 02164. ■

Circle 599 on inquiry card.

A Microprocessor Development Kit

Aivex Inc has a new product that should be of interest to those who work with the PDP-11 computer: the MAX-11 conversion kit. The package, which converts a PDP-11 into a microprocessor development system, consists of a cross assembler, simulator and PROM programmer. The cross assembler is said to feature a user defined macro library, local symbols, symbolic cross reference, listing controls and conditional assembly. The simulator features eight break points, single step with trace, external device simulation, interrupt simulation and real time cycle counter. The programmer accepts data from a PDP-11 disk through an RS-232C interface. The kit is presently available in 4040, 8080 and 6800 versions. The price for the simulator plus assembler is \$1250; the programmer is \$2300.

Contact Aivex Inc, 6 Preston Ct, Bedford MA 01730, (617) 275-2333.

Circle 600 on inquiry card.

A Hardware and Software Catalog

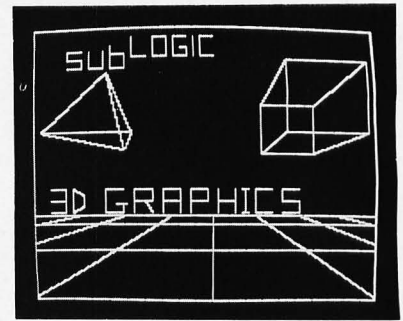
TDL's new catalog features a variety of hardware and software products, including the Z-16 memory module, a 16 K byte static programmable memory card. Maximum access time is 200 ns, and the kit price is \$574.

Also described is the XITAN series of mainframes and the Zapple monitor and text editor. A relocating macro-assembler is offered along with several BASIC packages and disk software.

For a free copy of the catalog, contact Technical Design Labs Inc, Research Park, Bldg H, 1101 State Rd, Princeton NJ 08540 (609) 921-0321. ■

Circle 601 on inquiry card.

An In-Depth Software Package



Sublogic Company of Culver City CA has announced 3D graphics for microcomputers. The Sublogic 3D micrographics package allows the user to view two-dimensional perspective projections of three-dimensional scenes from any location in space. Driving and flying simulations, artistic projections, design projections, engineering analysis and advanced games are some of the applications.

Two versions of the graphics package are offered: a minimal subset BASIC version for general purpose slow speed graphics on any microcomputer system, and a 6800 assembly language version with dynamic graphic capabilities for advanced simulation and complex graphics.

Adaptation instructions, program listings, applications, interface and testing information are supplied with each package. The BASIC version costs \$22; the 6800 package is priced slightly higher. Dealer inquiries are welcome. For further information contact Sublogic, POB 3442, Culver City CA 90230. ■

Circle 602 on inquiry card.

LSM Engineering's New Text Editor and Operating System

Need a text editor or an operating system for your computer? LSM Engineering, POB 3243, Orange CA 92665, now offers both of these items.

EDIT is a text editor designed to edit source files for BASIC, FORTRAN, assembly language, etc, which utilize the standard 96 character ASCII set. Source files can be manipulated by character, string, line and page to create additions, insertions, replacements and deletions to text.

LSM's Small Operating System, called SOS, has commands for saving, loading and verifying data blocks in conjunction with a Tarbell cassette interface, as well as memory fill, memory block transfer, block verify and memory dump routines. SOS resides in 2 K bytes of read only memory and is supplied with a commented source listing and information to enable the user to patch in up to four new keyboard commands without reassembly.

EDIT is available for \$22.50 on Tarbell block form cassette or paper tape, and SOS costs \$15 on Tarbell block form cassette. ■

Circle 603 on inquiry card.