

## Borland's Eureka solves complex problems

Borland International's Scientific and Engineering Software Division has announced Eureka: The Solver, a second-generation software productivity tool for IBM PCs. The product is designed to solve complex problems, generate tables and plots, and perform what-if analysis.

The user writes an equation, sets options, and instructs the software to solve the problem. The program can also evaluate and display the accuracy of the solution. Equations, solutions, and evaluations are accessible through separate windows on the screen. According to the company, Eureka supports the 8087 math coprocessor.

Eureka solves equations directly or through the iterative method of successive

approximation. Problems can be solved for simple or complex variables on both sides of the equation, with up to 20 equations solved at a time. The program also solves minimization and maximization problems with or without constraints.

Eureka: The Solver requires an IBM or compatible PC with PC-DOS (MS-DOS) 2.0 or later. It is compatible with CGA, and Hercules and compatible graphics boards. The program is not copy protected. It costs \$99.95, with delivery expected during the first quarter.

For more information, contact Borland International, 4585 Scotts Valley Dr., CA, 95066; (408) 438-8400.

**Reader Service Number 54**

## Adra System's 3000 joins CADD family

Adra Systems has announced the Adra 3000 CADD System. According to the company, the system is a multifunctional, expandable, industry-standard CADD system for mechanical and architectural design and drafting applications. The color system costs \$18,750, while the monochrome system costs \$14,750.

An optional 20M-byte hard disk costs \$1000, while a 100M-byte hard disk with internal 45M-byte cartridge tape drive costs

\$5000. The system comes with 4M bytes of memory that can be upgraded in 4M-byte increments costing \$3250 each up to 12M bytes.

At the same time, Adra announced the first-quarter availability of Unix System V (\$1250), MS-DOS, Ethernet, Tektronix, and an IBM PC-AT Coprocessor (\$2000).

Contact Adra Systems, 59 Technology Dr., Lowell, MA 01851; (617) 937-3700.

**Reader Service Number 55**

## Pyramid Connection connects PCs

Pyramid Technology has announced the Pyramid Connection, a group of products that integrates IBM PCs and compatibles, Apple Macintoshes, and Sun Microsystem workstations into a network for 30 or more machines.

The products include: an Appletalk/Ethernet gateway, Kinetics' Fastpath; Dualport OSx, which implements Appletalk protocols within the OSx kernel; an Appletalk multiwindow terminal, Kinetics' K-term; Centram's Tops for Unix, which provides file access to Macintosh and IBM PC-compatible computers from the Unix host; Centram's Tops for the Macintosh, a distributed file sys-

tem for the Macintosh; Centram's Tops for the IBM PC; Pyramid's Network File System; and PC-NFS, a distributed file system for IBM PCs and compatibles.

Two basic systems, the 98xe and 98x, are available. Prices start at more than \$161,000 for a 98xe configured for PC or Macintosh networking, and around \$245,000 for the 98x configured for PC or Macintosh networking. For more information, contact Pyramid Technology, 1295 Charleston Rd., PO Box 7295, Mountain View, CA 94039-7295; (415) 965-7200.

**Reader Service Number 56**

## Compute server, workstations from Harris

Harris Computer Systems Division has announced a compute server and two engineering workstations.

The Multiple Application Compute Server (MACS) connects with other computer systems through an Ethernet network for processing of engineering data. It supports the Network File System.

The MACS reputedly operates at 7.5 megawhethstones, has 16 32-bit registers, cycles in 100 ns, offers 4 gigabytes of virtual memory and 17 gigabytes of disk space, and transfers data at a rate of 80M bytes per second.

A standard MACS configuration, priced at \$285,200, includes 8M bytes of memory, a 330M-byte disk, Ethernet, and NFS. A configuration with 16M bytes of memory costs \$309,200.

The Harris Station 240 and 260 engineering workstations can be connected to the MACS or used as multiuser systems for applications requiring high-resolution graphics. They are 32-bit systems based on Unix and the Motorola MC68020 microprocessor with a built-in 68881 coprocessor. They reputedly operate at up to 3.6 MIPS per processor.

Both workstations include a hi-res, 19-inch, color graphics subsystem capable of displaying 1024 colors from a palette of over 16 million. The HS-260 provides up to 28 bit planes of graphics memory.

The HS-240 costs \$49,900 and the HS-260, \$84,900. For more information, contact Harris, Computer Systems Div., 2101 W. Cypress Creek Rd., Ft. Lauderdale, FL 33309-1892.

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## NEW LITERATURE

**Fifth Generation Computers.** Richard Miller's book analyzes the objectives, research activities, and potential impact of the eight leading fifth generation projects. The Fairmont Press, Inc., 700 Indian Trail, Lilburn, GA 30247; (404) 925-9388; \$45.

**1987 Sourcebook.** Annual publication of the North American Telecommunications Association, listing voice/data telecom products, vendors of telecommunications systems, and network-building firms. Also contains articles concerning telecom management, new tax policies, and application-feasible technologies. NATA, 2000 M St., N.W., Ste. 550, Washington, DC 20036; (202) 296-9800; \$45.

**EDUCOM guidebook.** This association of educational institutions interested in information technology has announced publication of its first annual *Guide to Corporate Associates*. The guide includes profiles of 59 EDUCOM-affiliated companies, describing their products, programs, and services. EDUCOM, PO Box 364, Carter and Rosedale Roads, Princeton, NJ 08540; (609) 734-1915; \$14.95.

**Second review of PHIGS standard.** The Accredited Standards Committee on Information Processing is again releasing for review and comment American National Standard X3.144-198x, which specifies a set of functions for computer graphics programming, the Programmer's Hierarchical Interactive Graphics System—a graphics system for applications producing computer-generated pictures on line or raster graphics output devices. The review period ends January 27. Global Engineering Documents; (800) 854-7179; \$75.

**Metabyte's new Fall 1986 handbook.** Describes company's line of plug-in boards for data acquisition, industrial control interfaces for PCs, and communications interfaces for IBMs and compatibles. Metabyte Corp., 440 Myles Standish Blvd., Tauton, MA 02780; free.

**Engineering Software Report.** ESR features surveys and articles on such topics as simulation, project management, forecasting and scheduling, and database engineering. The Center for Technology Management, PO Box 470, Clarkston, GA 30021; (404) 296-2640; \$87.

**Interface databook.** National Semiconductor interface product line databook describes drivers and receivers, bus transceivers, display controllers, and memory and microprocessor support. C.M.C. Publications, 575 Sinclair Frontage Rd., Milpitas, CA 95035-5470; (408) 945-1557; \$9.