

functions and utilities found in AT&T's UNIX operating system. PCUNIX uses about 20K bytes of RAM and its utilities take about 100K bytes on disk. PCVMS emulates Digital Equipment Corporation's VAX/VMS operating system.

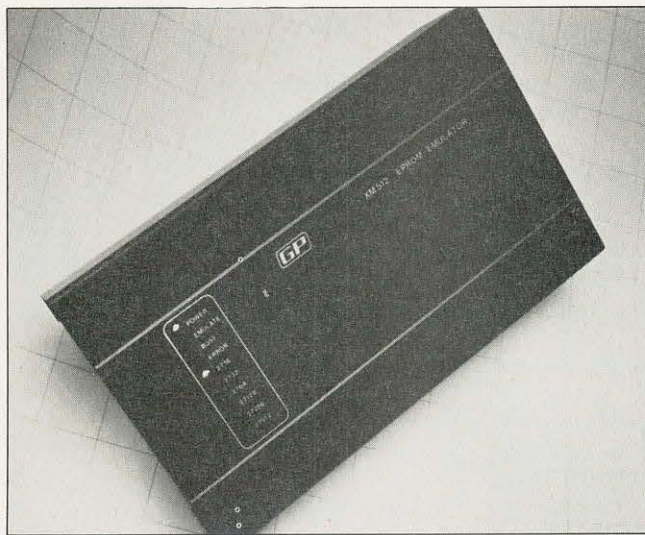
The Operating System Toolbox is priced at \$99. PCUNIX and PCVMS are \$49 each. All three products include complete C source code. For more information, contact Wendin, Box 266, Cheney, WA 99004, (509) 235-8088. Inquiry 608.

Hewlett-Packard's LaserJet Plus

HP's LaserJet Plus is an enhanced version of the popular LaserJet laser printer. Enhancements include a new formatter board (that has more memory and new firmware) and a Centronics parallel interface option.

The improved formatting board gives the LaserJet Plus more flexibility in fonts. The printer can download fonts from 6 to 30 points, store up to 32 fonts, and employ up to 16 fonts per page. Cartridge fonts are still an option and the user can choose either portrait or landscape-printing orientation.

The board contains 512K bytes of RAM that yields 395K bytes of user memory for improving the printer's graphics capability. The LaserJet could print a full page of 75-dpi graphics, a half-page at 150 dpi, and approximately a sixth-page at 300 dpi. The LaserJet Plus can print a full page of 150-dpi graphics and a half-



GP Industrial Electronics' XM512 EPROM Emulator.

page of 300-dpi graphics.

The formatter board also allows downloadable forms and letterheads; rules, patterns, and shading for forms creation; and storage of up to 32 forms in the printer's memory.

The LaserJet Plus is priced at \$3995 and is 100 percent compatible with the LaserJet (both use HP's PCL printer command language). The formatter is available as an upgrade for LaserJet owners at a price of \$1495 until December 31, 1985, and for \$1995 after that. The parallel interface option is not available as an upgrade.

Contact Hewlett-Packard Co., 1820 Embarcadero Rd., Palo Alto, CA 94303. Inquiry 609.

EPROM Emulator

GP Industrial Electronics has introduced the XM512 EPROM Emulator, which is capable of emulating all EPROMs in current use. It is intended to help microsystem designers and development engineers speed up the process of

combining software and hardware. Typical address access time for writing data to or reading it from the XM512 is 200 nanoseconds.

This emulator connects to the target system via supplied 24-/28-pin cables. An LED provides status and error information. If you wish, you can emulate 16-bit systems by connecting two units.

Pricing for the XM512 EPROM Emulator is set at £795. Contact GP Industrial Electronics Ltd., Unit E, Huxley Close, Newnham Industrial Estate, Plymouth PL7 4JN, England, tel: (752) 342961; Telex: 42513. Inquiry 610.

Fast 20-megabyte Backup Tape

Genoa Systems Corporation is offering the Galaxy Models 3120 (internal) and 3220 (external) 20-megabyte, half-height,

streaming, digital, cassette-tape drives. The 3120 and 3220 are fully IBM-compatible, run under DOS 2.x and 3.x using the standard QIC-02 interface, and require an IBM PC, XT, AT, or compatible with 256K bytes of RAM, one floppy-disk drive (to install the backup software), and two expansion-card slots. The drives transfer data at 86.3K bytes per second (at a 90-inches-per-second tape speed) and can back up a full 20-megabyte disk in 4.3 minutes.

The 3120 and 3220 use the same software as the Galaxy Model 3160 (internal) and 3260 (external) 60-megabyte, half-height, streaming-cartridge drives. The Genoa software has a multiple-window interface, menus, a batch option, and on-line help. A time/percentage bar chart shows the time left to execute a backup function.

The software offers full restoration or file-by-file backup. File-by-file can be organized by directory or subdirectory; by time, date, and last-modified files; or by file appending and exclusion. Reports of backup activity and directories are automatically saved and can be printed.

A DOS toggle lets you run other applications or DOS commands without terminating any backup program. You can also employ the drives as a system resource: They are compatible with 3Com, PCnet, and Novell networks.

Suggested prices are \$995 for the Model 3120 and \$1145 for the Model 3220. Contact Genoa Systems Corp., 73 East Trimble Rd., San Jose, CA 95131, (408) 945-9720.

Inquiry 611.

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