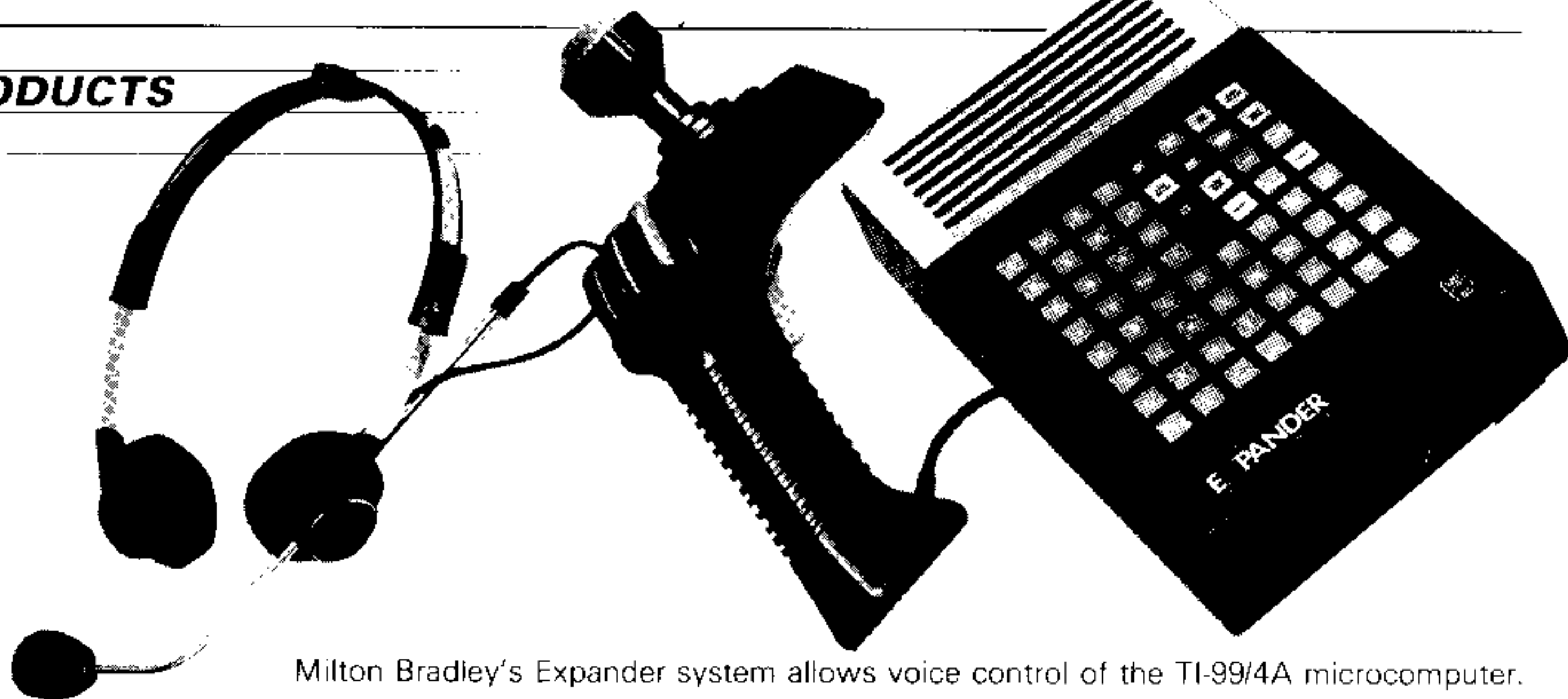


NEW PRODUCTS

Was Your Talker?

It used to be that people who talked to their computers were regarded as, well . . . strange. Now, thanks to Milton Bradley's Expander system, talking to a computer is quite acceptable and a lot of fun too.

Designed for the Texas Instruments TI-99/4A computer, the Expander interfaces with a new series of game and learning cartridges that react to your voice input. Included with



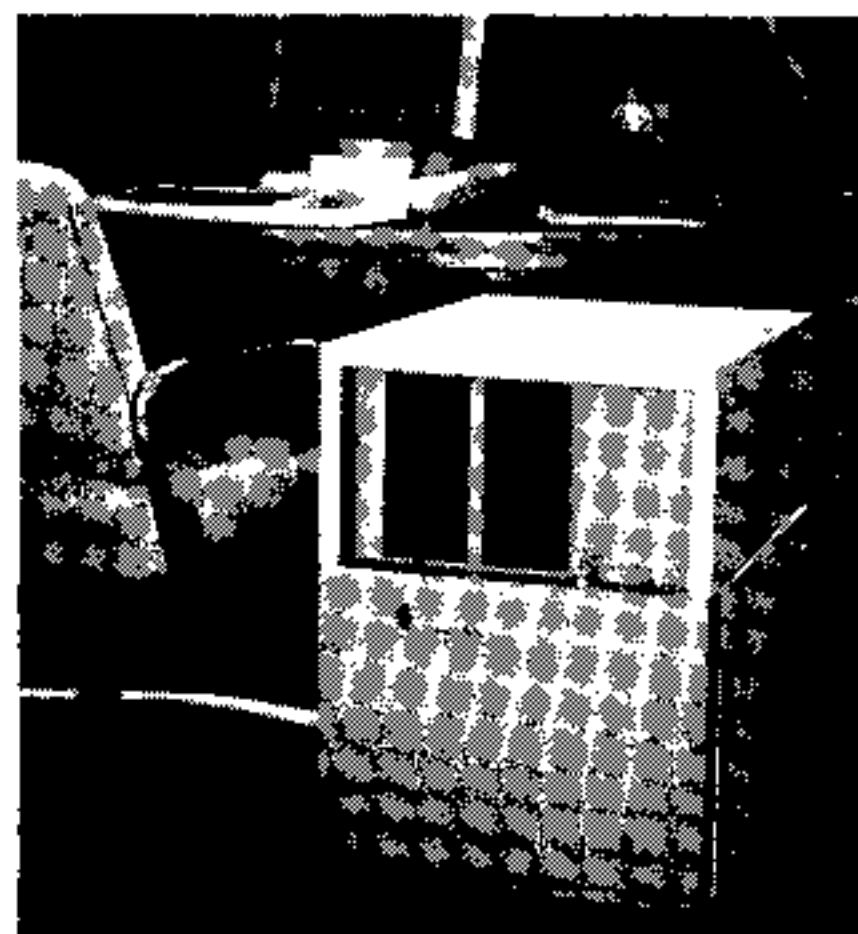
Milton Bradley's Expander system allows voice control of the TI-99/4A microcomputer.

each system is a 64-key keypad with provision for instruction overlays, a triple-axis joystick, and a headset microphone for voice command. The \$100 Expander

also features its own built-in speech synthesizer.

For more details, contact the Milton Bradley Co., Springfield, MA 01101. Circle 204 on inquiry card.

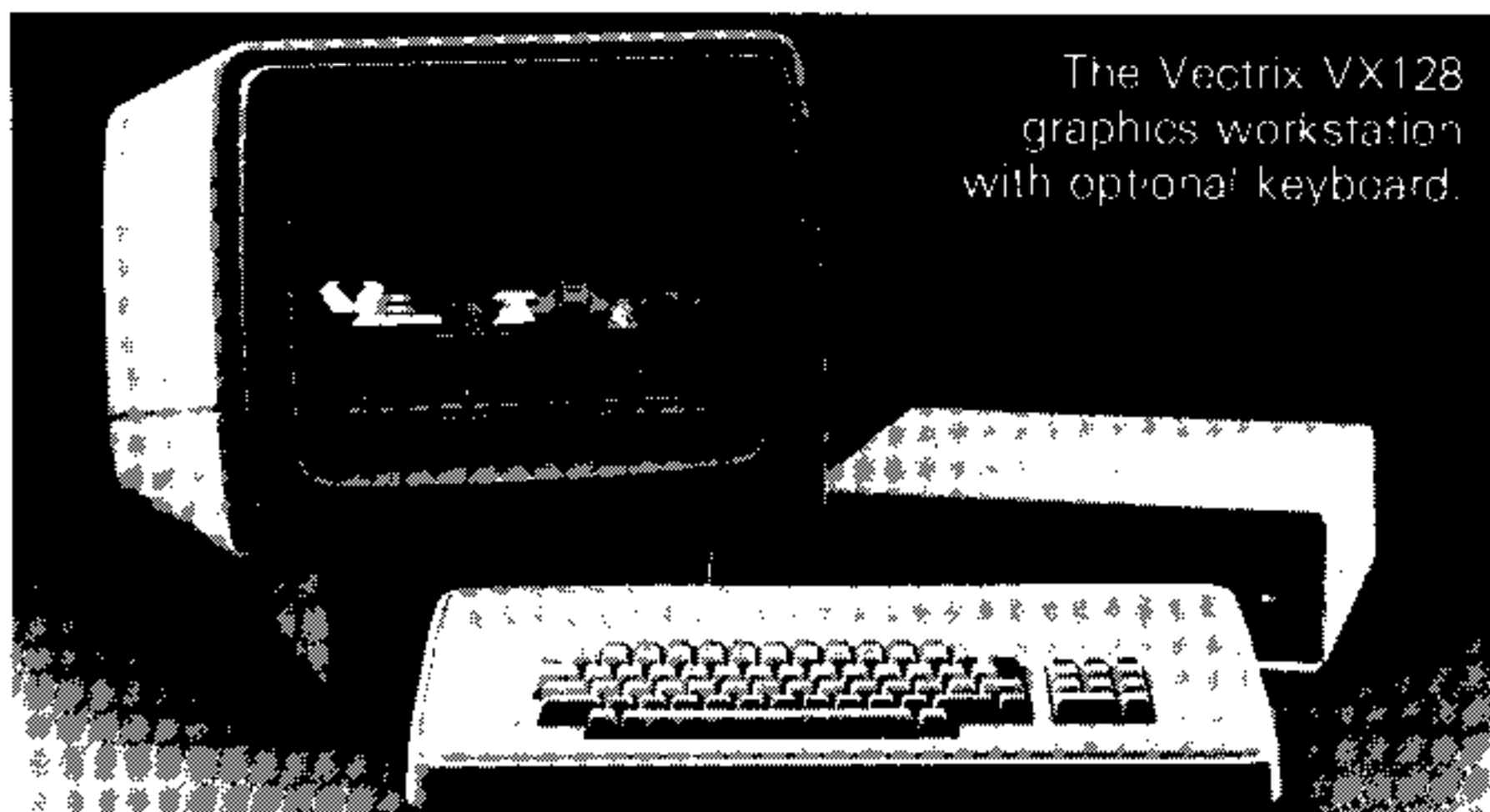
Multiuser Computer



Thought Works has introduced the TW-800, a CP/M-compatible small computer that accommodates up to 12 terminals and 20 printers. The TW-800 offers an 8-inch disk drive, 18 S-100 slots, two RS-232C serial ports, two parallel ports, an on/off switch, and a power supply.

The 8-bit computer uses the TurboDOS Network Operating System, which controls a master processor and up to 16 slave processors. The master and each slave include a Z80A microprocessor and 64K bytes of random-access memory (RAM). The basic system retails for \$9275; a totally configured 10-user installation costs about \$2100 per terminal. Options include a second floppy-disk unit and a hard-disk drive with cartridge-tape backup.

For more information, write Thought Works Inc., 3532 West Thomas Rd., Phoenix, AZ 85019. Circle 207 on inquiry card.



The Vectrix VX128 graphics workstation with optional keyboard.

Glorious Graphics

Vectrix has unveiled a pair of low-cost color graphics processors. Intended primarily as displays for a host computer, each system includes two graphics processors, a red-green-blue monitor, a printer, and a keyboard.

Using NEC's new GDC chip and an Intel 16-bit 8088 microprocessor, the VX128 (\$1995) contains features usually found only on machines costing substantially more. Among its features are a 672- by 480-dot resolution; eight simultaneous colors; three-dimensional vector graphics with rotation, scaling, translation, perspective, clipping, viewport, polygons, and filled

polygons; high-speed generation of lines and arcs; plus serial and parallel interfaces that connect to most computers. The system includes both built-in and user-definable characters; variable zoom; slant and tilt; horizontal and vertical spacing; and a light-pen interface.

The VX384 (\$3995) includes all of the VX128's features plus the ability to generate 512 simultaneous colors. This capacity enables the VX384 to produce subtle shading of three-dimensional objects and produce bit-plane animation for three-dimensional solid modeling, presentation graphics, image processing, and other sophisticated applications. For details, contact Vectrix Corp., 700 Battleground Ave., Greensboro, NC 27401. Circle 205 on inquiry card.

IBM Directory

The Directory of Independent IBM Personal Computer Hardware and Software is a publication designed to aid IBM Personal Computer users by providing detailed descriptions of third-party (non-IBM) products for their machine. The directory, which comes in a vinyl loose-leaf binder, contains over 150 pages of descriptions and reviews of software and hardware for the PC. In addition to detailed summaries of each product, the \$29.95 directory also supplies the names, addresses, and telephone numbers of more than 500 vendors listed under specific categories.

All software described in the directory runs on the IBM PC-DOS operating system. Among the software characteristics covered in the book are hardware and memory requirements, source language, and pricing. All hardware profiled in the directory plugs directly into the PC without modification.

For more details, write Infopro, POB 22, Bensalem, PA 19020. Circle 206 on inquiry card.