

## Program paints Apple II graphics

A software program, MicroPainter, "paints" high-resolution graphics in 21 different colors on the Apple II computer. The program includes a magnification feature for dot-by-dot coloring and inverse coloring. Once painted, pictures can be saved or displayed in any combination of colors or in an unpainted state. MicroPainter is written in Basic and machine language.

Datasoft, 16606 Schoenborn St., Sepulveda, CA 91343. (213) 894-9154. \$34.95; stock.

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## Program retrieves records for PL/I-80

A comprehensive record retrieval system, BT-80, operates in PL/I-80 applications where single or multikeyed access to data records is required. BT-80 facilities may be accessed from PL/I-80 or assemble language application programs via two BT-80 system procedures which handle all data file and index maintenance. The system also includes utilities that provide access to commonly needed facilities at the command level. BT-80 runs on CP/M version 2, MP/M, and CP/NET operating systems. It requires the PL/I-80 Run-Time Library and LINK-80 Linkage Editor to operate.

Digital Research, 801 Lighthouse Ave., Pacific Grove, CA 93950. (408) 649-3896.

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## Package supports Z8000 development

A Z8000 software development package, ZAS, runs on 8080, 8085, or Z80-based microcomputer systems using Digital Research's CP/M or Intel's ISIS-11+ operat-

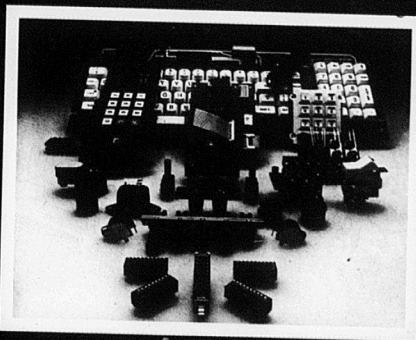
ing systems. ZAS supports both the segmented Z8001 chip and the nonsegmented addressing of the Z8002. The package includes 26 directives providing such useful features as "include files" and nested conditional assembly. Programs are structured into named Program, Data, and Absolute sections that can be combined and renamed with the ZLK task

builder. ZLK accepts command from the console or a command file and converts any or all program sections into absolute form. Multiple ZLK operations can be used to build complicated overlay systems for the Z8000.

Western Wares, P.O. Box 48, Placerville, CO 81430. (303) 728-4266. \$395; stock.

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