**Operating environment offers Macintosh-like features**

Matrix Software Technology Corporation's first product is Synergy, a TopView-compatible, graphics-based, multitasking operating environment with Macintosh-like desktop and windows for the IBM PC-XT/AT, their compatibles, and other computers in the Intel 8086 family.

Written in 12K of optimized assembler code, Synergy can run under MS-DOS/PC-DOS or under TopView, allowing up to six programs to run concurrently in windows without modification.

Synergy's features include a 16-color, up to 640 × 480-pixel bitmap desktop manager, support for mouse or cursor control, 26 pre-defined icons (file folder, telephone, typewriter, etc.), user-definable icons, pull-down menus, clipboard for cut and paste of data between applications, desk accessories (calendar, clock, and calculator), Quickdraw-like graphics primitives (for creating circles, blocks, fills, etc.), dialog/alert/help boxes, overlapping windows that can be sized and moved to any location on the screen, and user-installable fonts with four typefaces, five character attributes, and four point sizes. Synergy also includes gateways to C, Pascal, and assembler.

Synergy is essentially a layer between the MS-DOS/PC-DOS operating system and the application program. Software written for the Synergy environment shelters the user from operating system commands by providing a pictorial representation of a desktop.

Matrix will initially market Synergy via license to OEM hardware manufacturers and software developers. The program is now available in fully debugged form for the Intel 8086/8088/80286 family of computers, with a 68000 version to be announced soon.

The 12K runtime version of Synergy can be incorporated in ROM or can be distributed on disk as a separate program or bundled with applications programs. A programmer's toolkit is available, along with a hot line and other technical support for OEMs.

**Design automation software runs on IBM 3270 PC-G and GX**

Personal CAD Systems, Inc., has announced that its entire line of electronics design automation software will be fully supported on the IBM 3270 PC-G and GX computer graphics workstations.

According to the company, IBM's host document composition ability will enable P-CAD customers to mix text and P-CAD graphics and output to IBM 3800 and 4250 printers. P-CAD is opening its architecture to enable input and output functions to tie directly to the P-CAD database using P-CAD's Database Interchange Format.

The price of the P-CAD software ranges from $5000 to $15,000. For more information contact Personal CAD Systems, 981 University Avenue, Los Gatos, CA 95030; (408) 354-7193.

**Scheduling software designed for IBM PCs and compatibles**

OnTime software provides six different scheduling methods: first in—first out, minimize average completion time, weighted completion time, average job lateness, range of job lateness, or number of late jobs. Actual times can be accumulated and reported along with budgets, profits, time remaining, workloads, and capacity forecasts.

OnTime produces job status reports, forecasts, bar charts, route sheets, and work plans. Data files interface to dBASE, Framework, Symphony, and Lotus 1-2-3 applications.

OnTime is priced at $495. For more information contact Wyman Associates, Inc., 181 Second Avenue, Suite 321, San Mateo, CA 94401; (415) 343-3900.

For further information contact Matrix Software Technology Corporation, 50 Milk Street, 15th Floor, Boston, MA 02109; (617) 350-6614.

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Coordinate the areas of User Support, Systems Programming, Hardware Applications, and Computer Applications in the College of Engineering Center for Computer Aided Engineering and Manufacturing. Responsibilities will involve developing training programs for industrial participants and course material required to integrate computer aided graphics into the freshman engineering curriculum. Qualifications include minimum of B.S. degree in engineering or related field, experience in CAD, CAM, CAE as applied to engineering disciplines, supervisory experience in CAD, CAM, CAE, experience in developing CAD, CAM, CAE training programs. Send a resume to Dr. William T. Snyder, Dean of Engineering, The University of Tennessee, 124 Perkins Hall, Knoxville, TN 37996-2000.

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